

**ELICITATION OF PART-WORTH UTILITIES OF
QUANTIFIED GESTALT PRINCIPLES FOR
PRODUCT AESTHETICS**

By

Ambrosio De Jesús Valencia Romero

A thesis submitted in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE

in

MECHANICAL ENGINEERING

**UNIVERSITY OF PUERTO RICO
MAYAGÜEZ CAMPUS**

June, 2016

Approved by:

Frederick Just-Agosto, Ph.D
Member, Graduate Committee

Date

David Serrano, Sc.D
Member, Graduate Committee

Date

José E. Lugo Ortiz, Ph.D
President, Graduate Committee

Date

Néstor J. Rodríguez, Ph.D
Representative of Graduate Studies

Date

Paul A. Sundaram, Ph.D
Chairperson of the Department

Date

Abstract of Thesis Presented to the Graduate School
of the University of Puerto Rico in Partial Fulfillment of the
Requirements for the Degree of Master of Science

**ELICITATION OF PART-WORTH UTILITIES OF
QUANTIFIED GESTALT PRINCIPLES FOR
PRODUCT AESTHETICS**

By

Ambrosio De Jesús Valencia Romero

June 2016

Chair: José E. Lugo Ortiz

Major Department: Mechanical Engineering

This research explores the use of quantified Gestalt principles: symmetry, parallelism, and continuity, as design variables to evaluate the aesthetics of two-dimensional and three-dimensional product representations. To this end, three studies based in discrete choice experimentation methods were conducted to determine the effect, in the form of part-worth utility estimates, of each of the Gestalt principles in question on subjects' preferences for several bottle designs with different Gestalt values. These experiments were performed with the aid of online surveying tools for the two-dimensional (2D) case, and virtual reality (VR) systems for the three-dimensional (3D) case. The analysis of the choice data using Bayesian-based mixed logit regression provides details on the aesthetic utility of the principles assessed, their distribution among the participant population, and correlation between part-worth utility estimates. The results show that symmetry, parallelism, and continuity quantifications can be used to predict aesthetic subject preference. This methodology allows designers to delve into the integration of aesthetics as a measurable property during the product development process.

Resumen de Tesis Presentado a Escuela Graduada
de la Universidad de Puerto Rico como requisito parcial de los
Requerimientos para el grado de Maestría en Ciencias

**OBTENCIÓN DE UTILIDADES PARCIALES DE LOS
PRINCIPIOS DE *GESTALT* CUANTIFICADOS EN LA
ESTÉTICA DEL PRODUCTO**

Por

Ambrosio De Jesús Valencia Romero

Junio 2016

Consejero: José E. Lugo Ortiz
Departamento: Ingeniería Mecánica

Esta investigación explora el uso de las cuantificaciones de los principios de *Gestalt* de simetría, paralelismo, y continuidad como variables de diseño para evaluar la estética de representaciones bi- y tri-dimensionales de productos. Para ello, tres estudios basados en métodos de elección discreta fueron realizados para determinar el efecto, en términos de utilidades parciales, de cada uno de los principios de *Gestalt* en cuestión en las preferencias de los sujetos respecto a varios diseños de botellas con diferentes valores de *Gestalt*. Estos experimentos se llevaron a cabo con la ayuda de encuestas electrónicas para el caso bi-dimensional, y sistemas de realidad virtual para el caso tri-dimensional. El análisis de los datos por medio de regresión logit mixta con procedimientos Bayesianos provee detalles de la utilidad estética de los principios evaluados, su distribución entre la población participante, y la correlación entre las utilidades parciales. Los resultados muestran que las cuantificaciones de simetría, paralelismo, y continuidad pueden usarse para predecir las preferencias en estética de cada sujeto. Esta metodología permite a los diseñadores profundizar en la integración de la estética como una propiedad medible durante el proceso de desarrollo de producto.

Copyright © 2016

by

Ambrosio De Jesús Valencia Romero

To God, my family, and Margie Rossy Guerrero-Fernández.

¡Mamá, estoy triunfando!

ACKNOWLEDGMENTS

To Dr. José E. Lugo, my advisor and mentor.

To Dr. Frederick Just-Agosto and Dr. David Serrano for being part of my Graduate Committee, their time, and patience.

To the Office of Graduate Studies and its representatives for their diligence.

To Dr. Paul A. Sundaram, Dr. David B. Dooner, and Dr. Pedro O. Quintero for their guidance during my time in Mayagüez.

To the Department of Mechanical Engineering for letting me be part of their graduate program.

To the College of Engineering for providing support to my research.

To all my colleagues and friends who have encouraged me the last two years.

TABLE OF CONTENTS

	<u>page</u>
ABSTRACT ENGLISH	ii
ABSTRACT SPANISH	iii
ACKNOWLEDGMENTS	vi
LIST OF TABLES	x
LIST OF FIGURES	xi
LIST OF ABBREVIATIONS	xiii
LIST OF SYMBOLS	xiv
 1 INTRODUCTION	 1
1.1 Motivation	1
1.2 Background	3
1.3 Contributions and Organization	4
 2 BACKGROUND	 6
2.1 Quantification of Form	6
2.2 Gestalt Principles	7
2.2.1 Origins	7
2.2.2 Gestalt Principles in Product Aesthetics	9
2.3 Discrete Choice Experimentation	11
2.4 Virtual Reality in Product Aesthetics	15
 3 QUANTIFICATION OF GESTALT PRINCIPLES OF SYMMETRY, PAR- ALLELISM, AND CONTINUITY FOR CONTINUOUS 2D AND 3D REP- RESENTATIONS	 17
3.1 Introduction	17
3.2 Quantification of Symmetry, Parallelism, and Continuity	17
3.2.1 Symmetry	18
3.2.2 Parallelism	19
3.2.3 Continuity	20
3.3 Assessment of Proposed 3D Gestalt Quantifications	24
3.3.1 Participants	26
3.3.2 Study Procedure	27

3.4	Categorical Data Analysis	28
3.5	Discussion	32
4	METHODOLOGY FOR ELICITATION OF AESTHETIC PREFERENCE USING QUANTIFIED GESTALT PRINCIPLES	33
4.1	Product Form Discretization and Gestalt Quantification	34
4.2	Generation of Product Shapes based on Gestalt Values	36
4.3	Elicitation of Aesthetic Preference	38
5	CASE STUDY 1: PART-WORTH UTILITIES OF GESTALT PRINCIPLES FOR THE AESTHETICS OF A BOTTLE SILHOUETTE	40
5.1	Introduction	40
5.2	Product Selection and Silhouette Parametrization Using Cubic Bézier Curves	41
5.3	Generation of Product Silhouettes with Different Levels of Gestalt	41
5.4	DCE Study	45
5.4.1	Participants	46
5.4.2	Study Procedure	46
5.5	Results from the Multinomial Logit Regression	48
5.5.1	Testing Null Hypotheses	48
5.5.2	Fixed Coefficients MNL with Maximum Simulated Likelihood Estimation	49
5.5.3	Random Coefficients MNL (Mixed Logit) with Hierarchical Bayes	49
5.6	Discussion	51
6	CASE STUDY 2: AN IMMERSIVE VIRTUAL DCE STUDY FOR PROD- UCT AESTHETICS USING 3D GESTALT QUANTIFICATIONS	53
6.1	Introduction	53
6.1.1	Discretization and Gestalt Quantification of the 3D Bottle Rep- resentation	55
6.2	Generation of 3D Product Shapes with Different Levels of Gestalt	56
6.3	Virtual DCE Study for the Aesthetics of a Bottle	58
6.3.1	Development of the VR Environment	58
6.3.2	Study Procedure	62
6.4	Results and Analysis of Choice Data	63
6.4.1	Experimental Results	63
6.4.2	Mixed Logit via Bayesian Procedures	64
6.5	Discussion	66
7	CONCLUSION AND FUTURE WORKS	69
7.1	Conclusions	69
7.2	Future Work	70

APPENDICES	72
A Approval from the Institutional Review Board	73
A.1 Case Study I	73
A.2 Case Study II	75
B MATLAB Codes	80
B.1 Quantification and Optimization of Gestalt Principles for 2D Continuous Representations, Case Study I	80
B.2 Quantification of Gestalt Principles of 3D Surface Triangulation, Visual Assessment	95
B.3 Quantification and Optimization of Gestalt Principles for 3D Continuous Representations, Case Study II	102
C Unreal Engine 4.10 Blueprints for the Virtual DCE Study (Text Version) . . .	110
C.1 First (Welcome) Level of the Virtual DCE Study	110
C.2 Training Level of the Virtual DCE Study	144
C.3 Sample Choice Set Level of the Virtual DCE Study	196
C.4 Final (Thank You) Level of the Virtual DCE Study	342
BIOGRAPHICAL SKETCH	458

LIST OF TABLES

<u>Table</u>	<u>page</u>
2–1 Classical Gestalt principles	9
3–1 Maximum likelihood estimates, simulation on 500 halton draws.	32
3–2 Probability of predicting perceived low and high levels of Gestalt using Eqs. 3.1, 3.3, and 3.6.	32
5–1 Full factorial bottle silhouettes for three Gestalt principles, each at two levels (high and low). [‡]	44
5–2 Testing global null hypothesis: $ \beta = 0$	48
5–3 Testing null hypothesis, $H_0: \exists! \beta_k = 0 \in \beta$	49
5–4 Multinomial logit regression using maximum simulated likelihood and hi- erarchical Bayes estimation.	50
5–5 Correlation among parameter estimates with transformation of normals. . .	50
5–6 Probability of choice as a function of utility obtained from fixed and ran- dom (mixed) logit models. [‡]	50
6–1 Quantification of symmetry, parallelism, and continuity for 3D representa- tions.	54
6–2 Parameters considered in the generation of bottle shapes using SQP on Eq. 6.5 and the parametrization with cubic splines shown in Fig. 6–1.b. .	57
6–3 Summary of the DCE study.	57
6–4 Average durations of the virtual DCE experiment. Standard deviation val- ues are given inside parentheses.	65
6–5 Part-worth utilities β_k using mixed logit with HB estimation.	66
6–6 Correlation among β_k estimates with transformation of normals.	66

LIST OF FIGURES

<u>Figure</u>	<u>page</u>
1–1 The three axes of the design process with product Gestalt as nucleus. . . .	2
3–1 Quantification of the Gestalt principle of symmetry for 2D and 3D representations.	18
3–2 Quantification of the Gestalt principle of parallelism for 2D representations.	19
3–3 Quantification of the Gestalt principle of parallelism for 3D representations.	20
3–4 Quantification of the Gestalt principle of continuity between two elements in a 2D representation.	21
3–5 Quantification of the Gestalt principle of continuity within an element of a 2D representation.	21
3–6 Quantification of the Gestalt principle of continuity for 3D representations.	23
3–7 Summary of quantifications of the Gestalt principles of symmetry, parallelism, and continuity for 2D and 3D representations.	25
3–8 Freeform surfaces with low and high values of each Gestalt principle. . . .	26
3–9 Concise definitions of each Gestalt principle for the visual assessment survey.	28
3–10 Assessment of 3D quantification of the Gestalt principle of symmetry. . .	29
3–11 Assessment of 3D quantification of the Gestalt principle of parallelism. . .	29
3–12 Assessment of 3D quantification of the Gestalt principle of continuity. . .	30
3–13 Box-and-whisker plot with 95% confidence interval notch of 5-level ordered responses for visual assessment of each Gestalt principle.	31
4–1 Cubic Bézier curve with control (anchor and handle) points and convex hull.	35
4–2 Examples of discretization of a 2D representation of a bottle using cubic Bézier curves.	35
4–3 Examples of discretization of a 3D representation of a bottle shape.	37
4–4 Immersive virtual DCE study procedure.	39
5–1 Generic bottle silhouette constructed with cubic Bézier curves.	42

5–2	Quantification of symmetry, parallelism, and continuity of a bottle silhouette.	43
5–3	Generation of bottle silhouettes with different levels of Gestalt.	44
5–4	High and low levels of Gestalt of the final bottle silhouettes.	45
5–5	Sample page of the aesthetic preference survey.	47
6–1	Discretization and parametrization of a 3D representation of a bottle shape using cubic splines.	55
6–2	Sample blueprint to save the start time as a .txt file.	60
6–3	Sample blueprint to change the texture of an asset (in this case, instruc- tions on a wall) using an input action from the game controller’s “Face Button Right” (red button in Fig. 6–5).	60
6–4	Sample blueprint to save a response in a 2-alternative choice set. The ac- tion “InputAction Jump” is assigned by default within the UE4 platform to the space bar in the keyboard and the green button in Fig. 6–5.	61
6–5	Game controller instructions for the virtual DCE study.	63
6–6	Virtual DCE study	64
6–7	Standard normal (—) and GEV (---) distributions of part-worth utilities β_k of 3D Gestalt principles for the aesthetics of a bottle shape.	66

LIST OF ABBREVIATIONS

2D	Two-Dimensional Space
3D	Three-Dimensional Space
API	Application Programming Interface
CA	Conjoint Analysis
CAD	Computer-Aided Design
DCE	Discrete Choice Experimentation
GEV	Generalized Extreme Value Distribution
GP	Gestalt Principle
HB	Hierarchical Bayes
HIT	Human Intelligence Task
HMD	Head-Mounted Display
HR	Hazard Ratio
IRB	Institutional Review Board
MNL	Multinomial Logit
MSL	Maximum Simulated Likelihood
Pr	Probability
SD	Standard Deviation
SE	Standard Error
SP	Stated Preference
SQP	Sequential Quadratic Programming
VR	Virtual Reality
.3gp	3rd Generation Partnership Project–3GPP video file format
.bmp	Bitmap image file format
.fbx	Filmbox file format
.mp3	Moving Picture Experts Group–MPEG-2 Audio Layer III file format
.mp4	MPEG-4 Part 14 digital multimedia file format
.obj	Wavefront OBJ file format
.png	Portable Network Graphics file format
.stl	STereoLithography file format
.txt	Text file format
.wav	Waveform Audio file format

LIST OF SYMBOLS

\mathbf{a}	Acceleration of the 2D parametrized form (second derivative)
C	Global measure of the Gestalt principle of continuity
c_{ij}	Quantification of Gestalt principle of continuity
H_0	Null hypothesis
\mathbf{II}	Second fundamental form of a surface, or shape tensor
K_{ij}	Gaussian curvature at coordinates i and j
N	Number of choice sets in DCE
\mathbf{n}	Normal vector
\mathbf{n}_{ij}	Normal vector at coordinates i and j
P	Global measure of the Gestalt principle of parallelism
p	Probability value associated to the null hypothesis
\mathbf{p}	2D parametrization using cubic Bézier curves
p_{ij}	Quantification of Gestalt principle of parallelism
Q	Set of alternatives (stimuli) in DCE
\mathbf{q}	2D parametrization using cubic Bézier curves
q	Index of alternative (stimulus) in DCE
\mathbf{r}	3D parametrization at each intersection of two cubic splines
r_{ij}	Radii values at coordinates i and j
S	Global measure of the Gestalt principle of symmetry
s_{ij}	Quantification of Gestalt principle of symmetry
u	Penalty exponent for the quantification of symmetry in the optimization problem
V	Capacity (volume)
\mathbf{v}	Velocity of the 2D parametrized form (second derivative)
v	Penalty exponent for the quantification of parallelism in the optimization problem
w	Penalty exponent for the quantification of continuity in the optimization problem
\mathbf{x}_q	Vector of levels of each attribute for alternative q in DCE
z_j	Height coordinate
β	Vector of part-worth utility estimates in DCE
β_k	Utility estimate
θ	Azimuthal coordinate
κ	Principal curvature
μ	Threshold utility estimates
ϕ_k	Slope along 2D parametrized form
χ^2	Chi-square statistic
i	General coordinate notation

j	General coordinate notation
η	Coordinate notation for 3D local parametrization
ξ	Coordinate notation for 3D local parametrization

CHAPTER 1

INTRODUCTION

1.1 Motivation

Considered as aesthetic guidelines by a broad range of designers, the Gestalt principles explain how people group distinct elements of a visual representation into greater entities and how they interpret the whole picture different from the sum of its parts [1, 2]. Motivated to gain a broader understanding of the relationship between Gestalt principles and product aesthetics, this work examines previous 2D quantifications of the classic Gestalt principles of symmetry, parallelism, and continuity proposed by Lugo et al. [3, 4], and expands them to 2D and 3D continuous representations. These quantifications are then used to explore how the Gestalt values can be used to describe aesthetic subject preference. The Gestalt principles of symmetry, parallelism, and continuity are considered to play key roles in shape perception as generators of the simplest groupings of elements [5, 6], and their quantification encompasses the interaction between common design variables like lengths, radii, and ratios [7–9], thus giving a more complete yet simple description of the whole form.

To test the effect of each of these principles in aesthetic subject preference, this work features two exhaustive DCE studies with sets of 2D and 3D bottle representations with combinations of two levels of symmetry, parallelism, and continuity. In the 2D experiment, subjects were invited to take an online survey in which they were asked to pick the bottle silhouette they like the most from each pair of designs presented. For the 3D case, subjects evaluated the designs within a virtual reality (VR) environment thus

providing them with an immersive first-person perspective, allowing them to move around and rotate the 3D product representation for a thorough exploration of the forms.

The proposed methodology prioritizes the use of the Gestalt principles of symmetry, parallelism, and continuity as main descriptors of the product form, and focuses on bridging the gap between aesthetics and function by measuring the effect of these principles on subjects' preferences. This work aims to serve as basis for future research on using the Gestalt principles as single approach to describe the interactions between the three axes of the product design process: aesthetics, function, and semantics (Fig. 1–1) [10–13]. Under this framework, aesthetics is sustained by function and semantics through the product form or Gestalt, while the two latter are respectively linked to aesthetics through the interaction between the product's dimensional variables and their effect on subjects in the form of a visual impression. Likewise, the emotional bound between subject and product, which is characterized by specific semantic codes, provides designers with enriching feedback about the product Gestalt, ultimately leading to improvements in performance and appearance [14, 15].

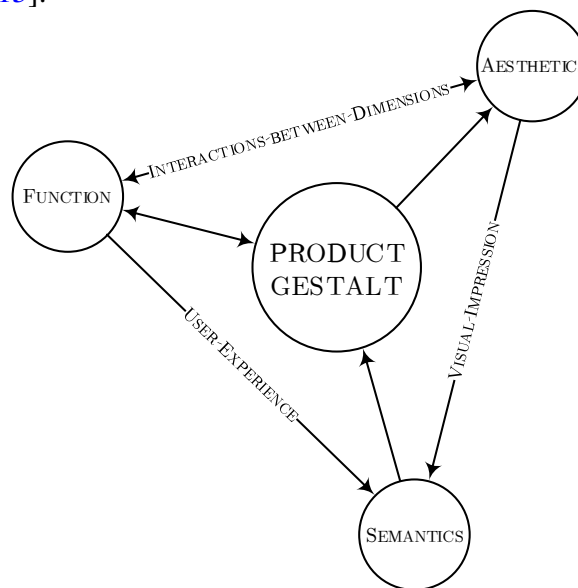


Figure 1–1: The three axes of the design process with product Gestalt as nucleus [10]. This work prioritizes the Gestalt principles as main descriptors of the product form and focuses on bridging the gap between aesthetics and function by measuring the effect of these principles on subjects' preferences.

1.2 Background

The form of a product has a dominant effect on consumer preferences not only in terms of aesthetics and emotional meaning, but also in the functional performance and sustainability of the product [16]. Nevertheless, when subjects have to choose between products with similar functionality and price, as in modern-day competitive market, aesthetics become the key factor to consider [17, 18]. Product aesthetics are a subjective factor and require an in-depth interpretation of subject aesthetic preference cognitive processes [19]. Previous works have proposed various methodologies to quantify aesthetic subject preference in a similar manner as global functional features [20], while others have described aesthetics in terms of utility functions of latent form attributes and product semantics [8, 9, 11, 21–25]. Recent research [3, 4, 13] proposed 2D quantifications of the Gestalt principles of proximity, continuity, closure, symmetry, parallelism, and similarity and used them to predict aesthetic subject preference.

Gestalt is a German word for shape and form. A “good Gestalt” is recognized primarily by the inner coherence of its visual properties [1]. The Gestalt principles explain how humans group elements in an image to devise them as a whole [4, 26], and are considered aesthetic visual guidelines by artists, architects, and industrial and web designers [27]. Designers can identify the Gestalt principles that best suit the grouping of those elements by dividing a product representation into key atomistic elements [3, 28]. After determining the Gestalt principles that define the product representation, the next step is to quantify these principles [4]. Geometric parameters of and between the elements serve as input to measure the Gestalt values. Then, several designs are generated with a range of Gestalt values through gradient-based optimization. Sets of designs with combined levels of Gestalt can be used to test the effect of each Gestalt principle on subject preference by surveying people’s preferences or choices among the alternatives presented in these sets [29, 30].

Preferences or choices coming from real situations are known as revealed preference (RP) data, while trade-offs between hypothetical situations with abstract alternatives are known as stated preference (SP) data [30, 31]. This work focuses on finding subjects' SP judgments to calculate the part-worth utility of each Gestalt attribute within the framework of new product development [31]. The most recognized SP elicitation methods are Conjoint Analysis (CA) and Discrete Choice Experimentation (DCE). Conjoint Analysis uses a linear model and individual-level ranking or rating data, while DCE uses a non-linear binary response model (e.g. logistic/logit, probit) and aggregate choice data [32]. The simulated choice scenarios offered by DCE provide a simpler and more realistic task for subjects than ratings or rankings [29], giving designers a better understanding of the effect that a particular attribute level has on subjects' decisions [31]. Random utility theory (RUT), the basis of DCE, states that only differences in utility within a choice set are relevant to the subjects' preference [30], i.e. researchers can estimate the probability of choice but not predict subjects' decisions [33].

1.3 Contributions and Organization

The main contribution of this work is that the Gestalt principles of symmetry, parallelism, and continuity influence a design uniquely and that their utility should be known in order to incorporate form into the whole product development process. For the grand scheme of design, this methodology shortens the gap between form and function as they will be able to track the overall adherence of the final product shape to the initial concept. This will improve the product design cycle and will enable designers to make timely modifications to a product form with minor impact on the desired appearance. The proposed methodology also improves on existing work that employs lengths and ratios as predictors of aesthetics [4, 8, 9, 11, 34] because the description of the product form with Gestalt principles accounts coherent interactions between these design variables. A total of 3 research articles contributed from this work. Two of these contributions describe the

application of the methodology to 2D and 3D product representations and are cited in [35] and [36], respectively. The remaining article presents the validation of the 3D quantifications validated and it is cited in [37]. The development of this research received approval from the Institutional Review Board for the Protection of Human Subjects participating in Research (known in Spanish as *Comité para la Protección de los Seres Humanos en la Investigación–CPSHI*) of the University of Puerto Rico–Mayagüez (Appendix A).

This document is organized as follows: Chapter 2 provides background on quantification of form, Gestalt principles, DCE, and VR in product aesthetics. Chapter 3 presents the quantification of the Gestalt principles of symmetry, parallelism, and continuity for 2D and 3D representations, and discusses the validation of the 3D quantifications. Chapter 4 describes the methodology to apply the Gestalt quantifications for elicitation of aesthetic subject preference. Chapter 5 features a case study using the 2D Gestalt quantifications for the aesthetics of bottle silhouettes. Chapter 6 extends the methodology to an immersive VR environment and presents a DCE study to assess the aesthetics of 3D bottle shapes. Finally, conclusions and recommendations for future work are given in Chapter 6.

CHAPTER 2

BACKGROUND

2.1 Quantification of Form

The product design process is built around three axes: functionality, symbolism, and aesthetics [10]. These attributes revolve around a common nucleus: the product form. In contemporary product development, form affects users' appraisal about function and meaning of a design, and it is pivotal for the success of new products [38, 39]. It does not only have to look better than "good"; ultimately, form has to reinforce an impression of high performance and encourage a sentimental bond between product and users. The impression given by a product shape is often biased by social standards, fashion, and past user experiences [40], making it difficult for new concepts to surpass the expectations and limiting designers to gather new knowledge about what users might welcome. This has led more mechanical engineers and industrial designers to approach models capable of encompassing all latent attributes of a product form and predicting subjects' functional, symbolic, and aesthetic preferences with a simple yet efficient methodology.

Previous works have proposed various models to strictly describe form in terms of lengths, areas, and ratios [9, 20, 21, 41, 42]. One alternative is to combine some of these design variables into sets of equations with continuous outcomes [3, 20, 24]. By analyzing how these quantities vary over similar product concepts, designers can determine appropriate limits for the main design variables [43, 44], test for any relationship between these features and the product's aesthetics [8, 13, 17], semantics [11, 22, 45], and performance

[19, 40], and set down product shape optimization models [44]. Generally, the interdependence between form and functionality is explicit, specially for mechanical engineers (e.g. automotive aerodynamics, hardware ergonomics, rounded airplane windows [46]). This is not the case for aesthetics and semantics which rely on product users' judgments and preferences, inheriting variability and uncertainty.

Surveying subjects about a product form demands to provide them with sufficient information of the actual form of the product. To this end, designers need to conceive more realistic and interactive user-product studies to gather more reliable responses [24]. Commonly, 2D static representations are preferred for introducing subjects to the main features of a product shape due to its practicability. However, subjects' decisions are more sensitive to the spatial information of the product form. Researchers are actively using 3D product representations to survey subjects' appraisals about form, with implementations in computer aided design (CAD) and virtual reality (VR). Contributions have explored the use of 3D coarse product form abstractions to survey subjects' judgments [25] and extensions of existing 2D aesthetic models and measures to 3D representations [47, 48]. With respect to elicitation of subject preference in 3D, existing works have proposed the use of conjoint analysis with VR systems [24], and have conducted discrete choice experiments using 3D CAD models [43]. The number of design variables assessed in these studies is restricted to subjects' willingness to participate. Designers must delimit the number of variables to use in the design of the experiment to avoid fatigue in subjects that could affect the accuracy of their responses.

2.2 Gestalt Principles

2.2.1 Origins



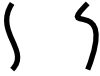



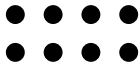
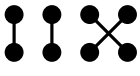






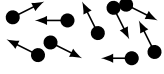

The foundation of the Gestalt School of Psychology in 1910's Germany featured the first important joint effort to understand human perception. German psychologists Kurt

Koffka, Wolfgang Köhler, and Max Wertheimer devoted to describe many basic perceptual phenomena, work that is still of great value today [49, 50]. Wertheimer's contribution to Gestalt Theory emphasized the preeminence of the whole over its parts by considering the visual "whole properties", rather than the aggregate of elements' individual effects, as main stimuli of perception [1]. Köhler encompassed Gestalt psychology in one sentence: "the whole is different from the sum of its parts" [2]. The word "different" in Köhler's phrase is often misinterpreted as "greater", something refuted by himself and early Gestaltists [2, 51, 52].

Formally known as "laws of organization in perceptual forms" [1], the Gestalt principles provide a clear description of the way humans perceive different elements as a whole to create an internal representation of it [26, 53]. The main Gestalt principles are symmetry, parallelism, proximity, similarity, connectedness, continuity, closure, relative size, and common fate [53]. Elements of an image are more likely to be grouped in a whole as each of these principles becomes stronger. Examples of representations with weak and strong grouping of their elements using each of the classical Gestalt principles are shown in Table 2–1. These representations can be analyzed in terms of the interaction between several groupings of elements. For example, for the case of the Gestalt principle of continuity in Table 2–1, the 4 elements on the first column are not consecutive, and there are abrupt transitions between one and another, which is considered as weak grouping in terms of the principle in question. The same 4 elements are rearranged on the second column; in this case, two pairs of elements have a smooth transition between them which leads to form two groups, i.e. a strong grouping in terms of the continuity principle.

When elements of an image can be grouped in more than one way, human vision will prefer the simplest arrangement [54]. Each representation is more sensitive to certain Gestalt principles, and these principles will predict how people will compose the "whole form" [4, 55]. For continuous shapes, principles like symmetry, parallelism, continuity, and closure are more relevant than the rest in the generation of the simplest groupings

Table 2–1: Classical Gestalt principles

Gestalt principle	Weak grouping	Strong grouping
Symmetry		
Parallelism		
Proximity		
Connectedness		
Continuity		
Closure		
Similarity		
Common Fate [†]		

[†] The arrows represent the direction of motion of each element.

[5, 6]. Nevertheless, principles like similarity, proximity, and connectedness have become significant in the development of graphical user interfaces and web design [53]. Finally, the principle of common fate is meaningful only for representations in motion.

2.2.2 Gestalt Principles in Product Aesthetics

The Gestalt principles are regarded as standards for visual appeal by researchers in areas related to design. The word “gestalt” literally translates as ‘shape’ from German, and it is a synonym of ‘unity’ and ‘coherence’ when used with initial letter capitalized within the context of aesthetics. The notion of unity has been addressed by Post et al. [56] who used pictures of four different product categories to study form unity and variety,

their effect on people's aesthetic judgments, and possible correlations between these two attributes. In Post et al.'s [56] work, the 'unified' and 'variegated' designs were classified, respectively, in terms of the classical Gestalt principle of symmetry and its counterpart asymmetry, and other visual properties like color and contrast. Although having opposite meaning, the results suggests that the harmony between unity and variety can enhance visual appeal, since both characteristics were found to have a positive effect on aesthetics, with symmetric designs being more important.

Symmetry does not always have a desirable influence on subjects' preferences. As reported in Bajaj and Bond's [57] and Stamatogiannakis et al.'s [58] works, the excessive use of symmetry in advertising artwork could 'backfire' when intended to cause excitement in users, notwithstanding its status as badge of elegance within design. While perfect symmetry can be considered as 'boring', the use of asymmetric forms could provoke 'amusement' in subjects whenever it embodies a decipherable meaning [59]. In other words, as inferred from Leyton's [60] work, only asymmetries can tell stories (i.e. first fundamental law of memory storage). From an atomistic perspective, the presence of asymmetric elements in a visual representation is considered a "lack of balance" [61]. Yet, from a Gestalt perspective, asymmetry can be used to provide dynamic balance and thus unity to the whole form [56]. To treat both the unity/symmetry and variety/asymmetry issues simultaneously is not a trivial matter, since the latter lack firsthand dimensional references (e.g. mirror planes, rotation axes) that could facilitate their analysis. For this purpose, it is necessary to integrate other visual properties that account for the variety in shape along a visual representation.

The Gestalt principles of parallelism and continuity could aid in explaining the unity versus variety trade-off. Parallelism is the tendency to group elements by their similarity in direction or orientation, and it can be sometimes considered as a special case of translational symmetry [62]. For continuous shapes, parallelism could be estimated in terms of the differences in slope between segments of same extension in a particular direction.

Under this definition, the condition of no-parallelism is equivalent to perpendicularity, and can serve as complement to estimate the asymmetry between elements. On the other hand, the principle of continuity or “good continuation” explains the grouping of consecutive elements with smooth changes between them. This principle has been associated to curvature [63, 64].

2.3 Discrete Choice Experimentation

Discrete choice experimentation (DCE) is a method for elicitation of subject preference that offers the possibility to directly capture the effect of a product or service attribute on subjects’ preferences. The origins of the technique date back in 1968 thanks to econometrician Daniel McFadden whose dedication to the development of the discrete choice theory earned him the Nobel Prize in Economic Sciences in 2000 [65]. One of his most notable contributions, *Conditional Logit Analysis of Qualitative Choice Behavior*, presents a general procedure to formulate models to understand human choice behavior by analyzing the distribution of individual subjects’ choices among designs alternatives (or stimuli) with combinations of different levels of several attributes [66]. For example, consider two different brands of sodas (attribute 1) offering the same two flavors (attribute 2) for a total of $2\text{--levels-per-attribute}^{2\text{--attributes}} = 4$ alternatives available (full-factorial). Assuming all other attributes equal (e.g. price), a DCE survey to measure the effect of brand and flavor on consumer preferences could consist of subjects choosing the soda they like the most among up to $\binom{4\text{--stimuli}}{2\text{--options}} = 6$ choice sets with different combinations of two alternatives (full-profile). The information provided by respondents is used to measure the effect of each attribute on subjects’ stated choices by means of binary response regression models [30–32]. This effect is given in the form of part-worth utility estimates which represent a level of satisfaction by subjects about each attribute.

Although DCE helps researchers estimate the probability of choice, they are not able to completely predict subjects' decisions, since the model is suitable for hypothetical choice scenarios involving options with finite number of attributes rather than real scenarios where factors like brand, accessibility, and emotions, make subjects' decisions much more complex [30, 31]. DCE is a stated preference elicitation method consisting in the estimation of the probability that a person will choose a particular combination of attributes. The basis of DCE methods is Random Utility Theory (RUT), which states that "only differences in utility matter" to subjects' preferences, i.e. adding a constant value to the utility of all alternatives does not change the probability that subjects' will make a particular decision. This also implies that multiplying the combined utility of each alternative does not change decision maker's choice either [30]. Furthermore, the "overall scale of utility is irrelevant", implying that the part-worth utility of each attribute to the probability of choice will remain constant over all the alternatives [33]. The identification of the most important attributes of the object of study and the levels of the attributes to be considered for the creation of the set of alternatives are thus the most critical factors for obtaining consistent results. The number of designs that will define the set of alternatives from which subjects will choose the ones they prefer also requires great consideration and will be significant to the accuracy of the model [32].

Determining a proper set of designs requires the use of design of experiments to generate balanced and efficient combinations of alternatives. Depending on the number of attributes, the level of interactions of interest in the study, and the available resources, one can opt for a full or fractional profile designs, i.e. all possible combinations of attributes and designs or a restricted group of alternatives with enough efficiency to determine main-effects interactions of each attribute [29]. The number of levels per attribute will determine the grade of interactions that can be tested, so having more levels of each factor will give a more precise estimation of part-worth utilities. In contrast, the previous discard of irrelevant attributes and levels, as well as opting for smaller sets of full profile

designs instead of using the entire set, can help designers afford the cost of the surveys, make better use of the resources, and facilitate the generation of the designs [67].

After defining the appropriate set of the designs, the next step is to construct choice sets with combinations of two or more alternatives. There are three characteristics that must be exhibited by choice sets: 1) the alternatives in each choice set must be mutually exclusive from the subject's perspective, i.e. it is necessary that only one alternative from each choice set is chosen, the others are censored; 2) the choice set must be exhaustive, which means that, for a established number of alternatives per choice set, all possible combinations must be considered; and 3) the number of alternatives shall be finite, implying that it is possible to easily count the alternatives [30]. These three conditions are essential to obtain accurate results, considering that the responses are binary and that regression models to estimate the part-worth utilities need aggregate choice data [31]. The most common binary response models used in DCE analysis are logit models and probit models. Both logit and probit are sigmoid functions (i.e. "S" shaped) that specify the values at which the probabilities of the random variables is less or equal than the respective probability distribution, logistic distribution for logit and normal distribution for probit [29]. Among the logistic models used in DCE, the multinomial logit model (MNL) is the most used [32]. This model assumes that the probability that a subject will choose one alternative q_i from choice set Q is:

$$\Pr(q|Q) = \frac{\exp(\mathbf{x}_q \cdot \boldsymbol{\beta})}{\sum \exp(\mathbf{x}_Q \cdot \boldsymbol{\beta})}, \quad (2.1)$$

where \mathbf{x}_q is a vector whose components describe the levels of each attribute in alternative q , and $\boldsymbol{\beta}$ is a vector formed by the part-worth utilities β_k of those attributes. For example, a full-factorial DCE study of two brands of soda with the same two flavors has $q = 4$ alternatives with different levels of each attribute $k = \{\text{brand, flavor}\}$. For convenience, Brand 1 and Flavor 1 are considered the low levels, represented with a value of zero (0),

and Brand 2 and Flavor 2 are considered the high levels, represented with a value of one (1). The set of alternatives would be:

$$\begin{aligned}\mathbf{x}_1 &= (\text{Brand 1, Flavor 1}) = (0 \ 0) \\ \mathbf{x}_2 &= (\text{Brand 1, Flavor 2}) = (0 \ 1) \\ \mathbf{x}_3 &= (\text{Brand 2, Flavor 1}) = (1 \ 0) \\ \mathbf{x}_4 &= (\text{Brand 2, Flavor 2}) = (1 \ 1).\end{aligned}$$

In Eq. 2.1, the dot product $\mathbf{x}_q \cdot \boldsymbol{\beta}$ is a linear function of the attributes that corresponds to the utility of alternative q . The exponential of $\mathbf{x}_q \cdot \boldsymbol{\beta}$ divided by the sum of all the exponentiated utilities is the corresponding probability of choosing alternative q from choice set Q [32]. As an example, if $\boldsymbol{\beta} = (\beta_{\text{Brand}} \ \beta_{\text{Flavor}}) = (2 \ 4)$ (the components of $\boldsymbol{\beta}$ are calculated with logit regression [30]), the utility of each alternative is:

$$\begin{aligned}\text{Utility}(q=1) &= \mathbf{x}_1 \cdot \boldsymbol{\beta} = (0 \times 2 + 0 \times 4) = 0 \\ \text{Utility}(q=2) &= \mathbf{x}_2 \cdot \boldsymbol{\beta} = (0 \times 2 + 1 \times 4) = 4 \\ \text{Utility}(q=3) &= \mathbf{x}_3 \cdot \boldsymbol{\beta} = (1 \times 2 + 0 \times 4) = 2 \\ \text{Utility}(q=4) &= \mathbf{x}_4 \cdot \boldsymbol{\beta} = (1 \times 2 + 1 \times 4) = 6,\end{aligned}$$

and, using Eq. 2.1, the probability of choosing one of the 4 alternatives is:

$$\begin{aligned}\Pr(q=1|Q) &= \frac{\exp(0)}{\exp(0) + \exp(4) + \exp(2) + \exp(6)} = 0.002 \\ \Pr(q=2|Q) &= \frac{\exp(4)}{\exp(0) + \exp(4) + \exp(2) + \exp(6)} = 0.117 \\ \Pr(q=3|Q) &= \frac{\exp(2)}{\exp(0) + \exp(4) + \exp(2) + \exp(6)} = 0.016 \\ \Pr(q=4|Q) &= \frac{\exp(6)}{\exp(0) + \exp(4) + \exp(2) + \exp(6)} = 0.865.\end{aligned}$$

So, in this example, alternative $q=4$ has 86.5% of probability of being chosen.

If it is assumed that β is fixed for every decision maker, it is possible to apply standard MNL regression to determine the parameter estimates, β_k , using maximum simulated likelihood (MSL) estimation. On the other hand, if β is considered to vary over subjects rather than being constant, a random coefficients MNL model (a.k.a. mixed logit) is required, and a distribution has to be specified for every parameter [68]. For the latter, the hierarchical Bayes (HB) estimation approach is preferable in order to minimize convergence and consistency issues more likely to appear when using MSL estimation [30]. Among the numerous benefits of using mixed logit are the possibility to estimate correlation between parameters and over repeated choices made by each subject [30, 68].

Conjoint Analysis, another technique for elicitation of SP data which uses individual-level ranking or rating data, has been used previously for aesthetic subject preference for simplified 2D product representations [8, 24, 69]. Although, CA methods generally can generate accurate preference models, the simulated choice scenarios offered by DCE provide a simpler and more realistic task for subjects than ratings or rankings [29, 33], giving designers a better understanding of the effect of a particular attribute level on subjects' decisions [31].

2.4 Virtual Reality in Product Aesthetics

Virtual reality is often considered by the general audience as a type of media (like radio or television), or as a collection of several technologies (software, hardware). However, VR is better defined in terms of human experience as a "real or simulated environment in which a perceiver experiences telepresence or mediated perception of an environment" [70]. In this sense, a VR system is characterized in terms of its capabilities of immersion (perception of an artificial world), interaction with the environment, and presence or feeling of physically being in the environment [71]. This concept makes VR an entire science centered in the human being, and allows professionals from others fields

of knowledge like psychology, computer science, and engineering design to build new research areas upon the capabilities of VR systems to explore human perception.

The introduction of VR-based methodologies to early stages of the product development process has been favored mainly by their increasing affordability [72, 73], with recent research strongly focused on overcoming implementation challenges in academia and industry [74–77]. The range of application of VR systems is practically unlimited; for instance, collaborative design [78], evaluation of user experience [79], and architectural planning [80] are some of the most relevant applications of VR for designers. Thanks to current VR systems’ immersing and rendering capabilities, designers can develop more realistic scenarios to elicit subjects’ stated preferences via DCE or conjoint experiments.

In previous research, Tovaes et al. [24] applied conjoint analysis to study aesthetic preference for 2D, virtual, and actual coffee mugs, with their results showing that subjects’ judgments about the VR prototypes were more similar to those for the actual mugs than the ones using 2D static representations. Similarly, Backhaus et al. [81] proposed a three-stage VR-based conjoint analysis methodology with the participation of both subjects and design team evaluated several product attributes within a VR-environment created with a commercial game engine.

In the development of VR-based scientific applications, the use of commercial game engines has been preferred ahead of existing computer-aided design (CAD) platforms due to the limited compatibility of the latter with VR systems [82, 83]. It is the connection between VR and the video game industry which has been key to the development of more immersive visualization technologies. Commercial game engines provide templates and assets for VR that require minimum customization and coding and can be used for experiment with subjects. In general, the visual assessment of products in VR environments benefits designers through the reduction of prototyping costs thanks to the versatility and user friendliness of these applications [84].

CHAPTER 3

QUANTIFICATION OF GESTALT PRINCIPLES OF SYMMETRY, PARALLELISM, AND CONTINUITY FOR CONTINUOUS 2D AND 3D REPRESENTATIONS

3.1 Introduction

In this chapter, the principles of symmetry, parallelism, and continuity are discussed and their quantifications for continuous 2D and 3D representations are presented. The 3D Gestalt quantifications are assessed in order to verify if they are congruent with subjects' perception of each principle. Several shapes with low and high levels of each principle were created and presented to subjects through an online survey in which they rated in a five-level Likert scale how much they recognized a principle from each visual. Finally, random-effects ordered logit regression is used to determine if the expressions effectively describe the level of recognition of each Gestalt principle. Results show that the proposed quantifications for symmetry, parallelism, and continuity are congruent with subjects' perception of these Gestalt principles, and the implications for designers are discussed.

3.2 Quantification of Symmetry, Parallelism, and Continuity

The principles of symmetry, parallelism, and continuity are considered the most relevant in the generation of the simplest groupings, in particular for continuous shapes [5, 6]. The following sections delve into each of these principles and present quantifications for 2D and 3D representations on a zero-one scale based on previous work [3, 4].

3.2.1 Symmetry

Mathematicians describe symmetry as the property that has an object of remaining invariant after being subjected to a geometric transformation, like reflection, rotation, and/or translation, among others [85]. Each type of symmetry has also specific applications which describe invariants in a particular geometric dimension. For example, reflectional or mirror symmetry can be classified according to the geometric model as 2D or 3D, while rotational symmetry can be discrete, i.e. rotations by a fraction of π radians, or continuous with infinite symmetry groups, e.g. cylindrical symmetry (a.k.a. axisymmetry) [86, 87].

Equation 3.1 quantifies the Gestalt principle of symmetry for continuous 2D and 3D representations. This expression is suitable to measure mirror and cylindrical symmetry (axisymmetry) with respect to a plane or axis, respectively, as the difference between two collinear distances, $^{(1)}r_{ij}$ and $^{(2)}r_{ij}$ (see Fig. 3–1), perpendicular to a given reference (e.g. mirror plane, centroidal axis). Then, this differences is divided by the average between the distance and normalized to a $(0, 1]$ range through the exponential function:

$$s_{ij} = \exp \left(-2 \frac{|^{(1)}r_{ij} - ^{(2)}r_{ij}|}{|^{(1)}r_{ij} + ^{(2)}r_{ij}|} \right). \quad (3.1)$$

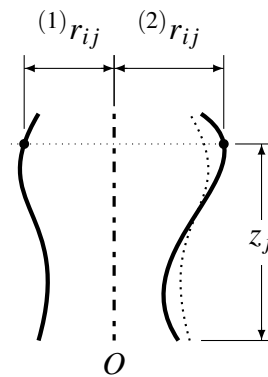


Figure 3–1: Quantification of the Gestalt principle of symmetry for 2D and 3D representations.

Subindices $i = 1, 2, \dots, m$ (and $j = 1, 2, \dots, n$) represent the elements' other (two) coordinate(s). For example, if $^{(*)}r_{ij}$ represents an x -coordinate, i (and j) represent coordinates on the y axis (or the y - z plane, if 3D) for mirror symmetry. When quantifying 3D cylindrical symmetry, radial distances $^{(*)}r_{ij}$ are measured at opposite azimuth angles, $^{(1)}\theta_i$ and $^{(2)}\theta_i$, and height z_j .

3.2.2 Parallelism

Parallelism is the tendency to group collateral outlines together by their similarity of direction [88, 89]. For the 2D case, Eq. 3.2 measures 2D parallelism between two collateral contours of same extension as the cosine of the differences in slope at the same coordinate (see Fig. 3-2):

$$p_j = \left| \cos \left(^{(1)}\varphi_j - ^{(2)}\varphi_j \right) \right|, \quad (3.2)$$

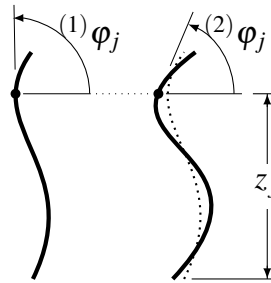


Figure 3-2: Quantification of the Gestalt principle of parallelism for 2D representations.

where $^{(1)}\varphi_j$ and $^{(2)}\varphi_j$ are the slope angles along each left and right elements, respectively, at coordinate z_j , $j = 1, 2, \dots, n$.

For the 3D case, the proposed expression, Eq. 3.3, quantifies 3D parallelism between two equidistant segments of same extension in terms of the dot product of their normal vectors (see Fig. 3-3):

$$p_{ij} = \left| {}^{(1)}\mathbf{n}_{ij} \cdot {}^{(2)}\mathbf{n}_{ij} \right|^2, \quad (3.3)$$

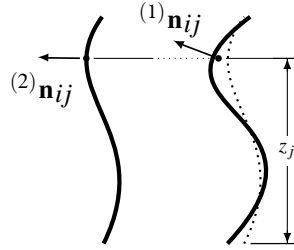


Figure 3–3: Quantification of the Gestalt principle of parallelism for 3D representations.

Equation 3.3 is a periodic function with amplitude $[0, 1]$. Here the normal vectors ${}^{(1)}\mathbf{n}_{ij}$ and ${}^{(2)}\mathbf{n}_{ij}$ are calculated at coordinates ${}^{(1)}r_{ij}$ and ${}^{(2)}r_{ij}$, respectively, with subindices $i = 1, 2, \dots, m$ and $j = 1, 2, \dots, n$ representing the other two coordinates. As with symmetry, it is possible to quantify parallelism with respect to a plane (analogous to mirror symmetry) or between contours on either side of a given axis using cylindrical coordinates (analogous to axisymmetry).

3.2.3 Continuity

The Gestalt principle of continuity or “good continuation” explains how humans contemplate “inner coherence” between elements of a representation and how they visually extrapolate successive elements to form a whole [1, 53, 90]. When an abrupt change between two connected elements is noticed, their continuity can be quantified in terms of the difference in slope at their joint (see Fig. 3–4.d):

$$k_c = \left| 1 - \frac{|\phi_k|}{\pi} \right|. \quad (3.4)$$

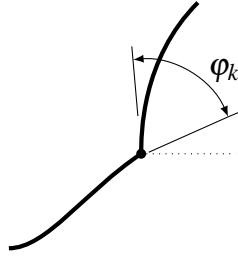


Figure 3–4: Quantification of the Gestalt principle of continuity between two elements in a 2D representation.

where φ_k , for $k = 1, 2, \dots, m$ total joints, can be calculated as the difference in angle at each joint between the end of an element and the start of the next one (i.e. $\varphi_k = {}^{j+1}\theta_{start} - {}^j\theta_{end}$, $j = 1, 2, \dots, m + 1$ consecutive elements). Equation 3.4 only considers variations between elements. However, for the case of parametrized forms (e.g. Bézier curves), the following expression quantifies continuity within each element in terms of the first and second derivatives with respect to a single parametrization variable (see Fig. 3–5):

$$j_{C_V} = \begin{cases} \frac{1}{2} + \frac{1}{2} \frac{{}^j\mathbf{v}_V \cdot {}^j\mathbf{a}_V}{\|{}^j\mathbf{v}_V\| \|{}^j\mathbf{a}_V\|}, & \text{if } {}^j\mathbf{a}_V \neq \mathbf{0} \\ 1, & \text{if } {}^j\mathbf{a}_V = \mathbf{0}, \end{cases} \quad (3.5)$$

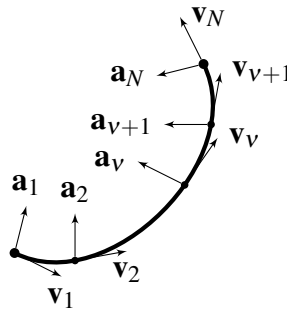


Figure 3–5: Quantification of the Gestalt principle of continuity within an element of a 2D representation.

where $j_{\mathbf{v}_v}$ and $j_{\mathbf{a}_v}$, respectively, represent the velocity (first derivative) and acceleration (second derivative) vectors at each location $v = 1, 2, \dots, N$ along the parametrized form. Equation 3.5 gives a continuity $j_{c_v} = 1$ when the velocity and acceleration vectors are parallel along the curve, or when the acceleration of the parametrized element is zero (i.e. a straight line).

For 3D representations, previous works have suggested the use of curvature measures to evaluate continuity and it has been found that humans visually extend contours with low values of curvature quicker [49, 64]. The principal curvatures describe the amount of deviation at each point of a surface and their product, known as the Gaussian curvature, is an intrinsic and invariant property of surfaces, meaning that it is independent of the geometric model and it does not change when transformations are applied. A point on a surface with positive or negative Gaussian curvature is called elliptic or hyperbolic, respectively, meaning the shape of its neighborhood is that of a dome or a saddle. If the surface has a point with zero Gaussian curvature, this point is called parabolic. Surfaces with zero Gaussian curvature everywhere are called “developable”. Interestingly, developable surfaces can be unrolled, flattened, or transformed onto a plane without crumpling or stretching, an advantageous attribute when designing for manufacturing, specially sheet-metal fabrication [91, 92].

Setting out from the properties of the Gaussian curvature and the premise of “simplicity” (Gestalt *law of Prägnanz*), Eq. 3.6 quantifies the Gestalt principle of continuity for a continuous 3D representation in terms of the Gaussian curvature K at each point on its outer surface:

$$c_{ij} = \exp(-K_{ij}) = \exp(-\kappa_1 \kappa_2), \quad (3.6)$$

where c_{ij} is normalized to a $(0, 1]$ range, giving a value of 1 when the Gaussian curvature is zero (parabolic point). The principal curvatures κ_1 and κ_2 are the eigenvalues of the

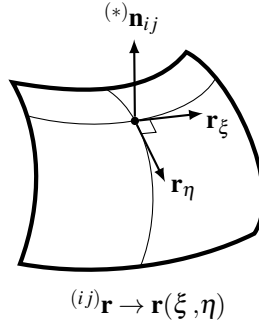


Figure 3–6: Quantification of the Gestalt principle of continuity for 3D representations.

second fundamental form \mathbf{II} or shape tensor. To compute \mathbf{II} , it might be necessary to define a local parametrization $^{(ij)}\mathbf{r} \rightarrow \mathbf{r}(\xi, \eta)$ orthogonal to the normal vector at each query point on the surface. In that case, Eq. 3.7 can be used to calculate \mathbf{II} (see Fig. 3–6):

$$\mathbf{II} = \begin{bmatrix} \mathbf{r}_{\xi\xi} \cdot \mathbf{n} & \mathbf{r}_{\xi\eta} \cdot \mathbf{n} \\ \mathbf{r}_{\xi\eta} \cdot \mathbf{n} & \mathbf{r}_{\eta\eta} \cdot \mathbf{n} \end{bmatrix}, \quad (3.7)$$

with $\mathbf{n} = \mathbf{r}_{\xi} \times \mathbf{r}_{\eta}$, \mathbf{r}_{ξ} and \mathbf{r}_{η} the first order derivatives, and $\mathbf{r}_{\xi\xi}$, $\mathbf{r}_{\xi\eta}$, and $\mathbf{r}_{\eta\eta}$ the second order derivatives with respect to ξ and η .

In contrast to the quantifications of symmetry and continuity, which are dimensionless, the quantification of continuity depends on what units were used to describe the parametrization of the shape. The Gaussian curvature has dimensions of length^{-2} , making Eq. 3.6 very sensitive to the parametrization. For example, Gaussian curvature in meter-size representations using millimeters will appear to be practical zeros, and continuity values will tend to one. For a proper use of Eq. 3.6 it is recommended to use large-enough units to describe the representations with small numbers, < 10 , to facilitate the interpretation of the Gaussian curvature and Gestalt principle of continuity values around the representation.

Alternatively, the principal curvatures (κ_1, κ_2), the Gaussian curvature (K_{ij}), and/or the continuity values obtained with Eq. 3.6 can be multiplied by a scale factor. This factor could be chosen as half the reciprocal of the average Gaussian curvature. For example, if $\bar{K}_{ij} = 0.002$, the scaling factor would be $0.5(1/0.002) = 250$. Then, every value of K_{ij} would be multiplied by 250 in the calculation of c_{ij} with Eq. 3.6: if $K_{ij} = 0.001 \Rightarrow c_{ij} = \exp[-250(0.001)] = 0.779$, and if $K_{ij} = 0.003 \Rightarrow c_{ij} = \exp[-250(0.003)] = 0.472$. Without the scaling factor, the values of continuity would be $c_{ij} = \exp(-0.001) = 0.999$ and $c_{ij} = \exp(-0.003) = 0.997$, respectively, with significant figures too close to characterize. A proper choice of scaling factor would help the designers to usefully map different Gestalt value of continuity for further exploration of their effect on function and form of a product.

3.3 Assessment of Proposed 3D Gestalt Quantifications¹

The verification of the 3D quantifications of the Gestalt principles of symmetry (Eq. 3.1), parallelism (Eq. 3.3), and continuity (Eq. 3.6) was made through an online survey in which subjects rated in a Likert-scale how much they perceived a particular Gestalt principle from different projections of surfaces with low and high values of each principle. The 3D representations used for the visual assessment are showed in Fig. 3–8. The surfaces were generated by heuristic manipulation of a 4×4 inches B-spline surface. Then they were converted to stereolithography .stl format with uniform triangular mesh using software OpenFlipper [93] and then exported to MATLAB using function `stlread` [94]. The quantifications of the principles of symmetry and parallelism were carried out by interpolation of coordinates and estimation of normal vectors between vertices of Delaunay

¹ Ambrosio Valencia-Romero and José E Lugo. Quantification of Symmetry, Parallelism, and Continuity as Continuous Design Variables for Three-Dimensional Product Representations. In *Proceedings of the ASME 2016 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, 2016.

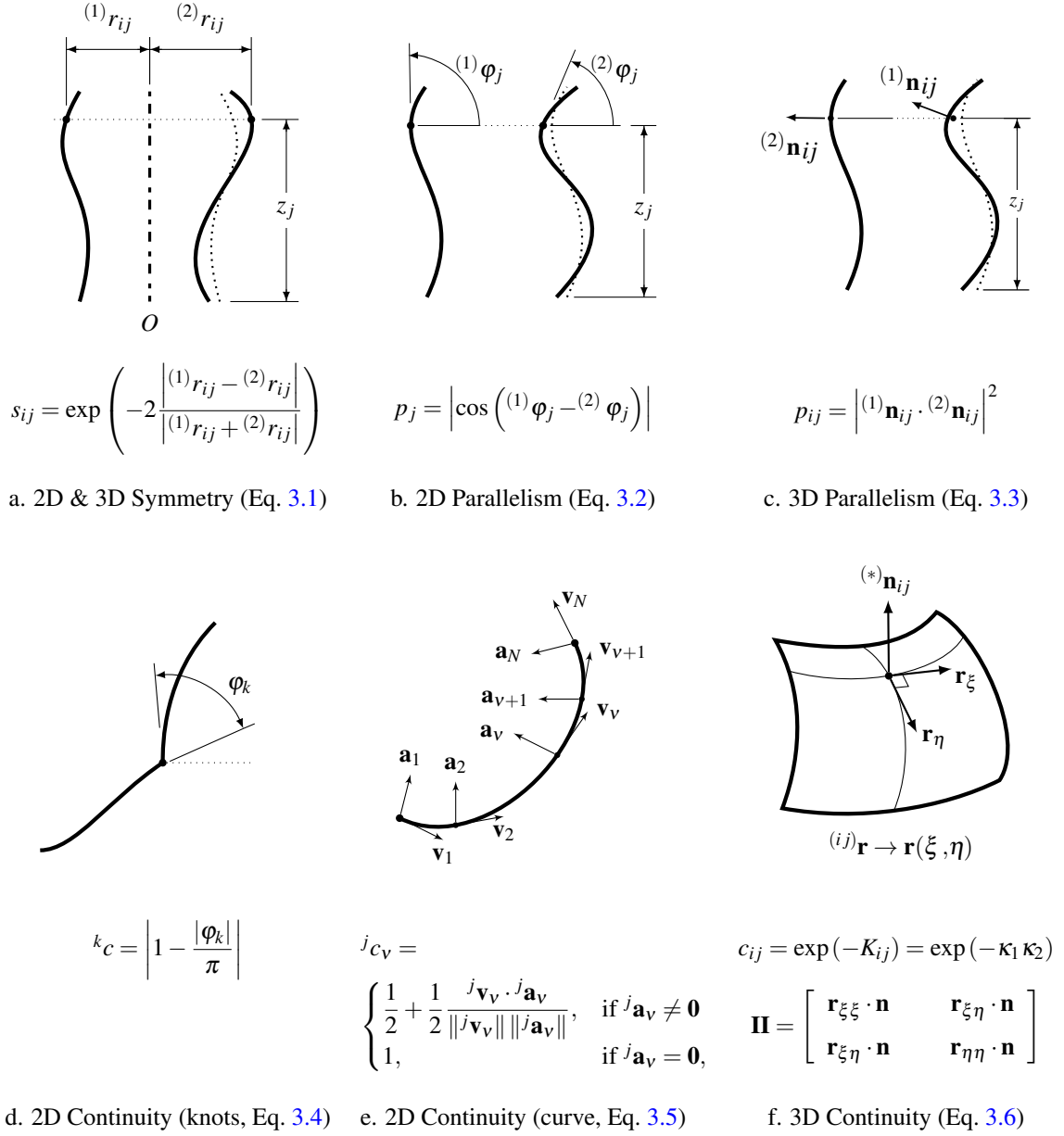
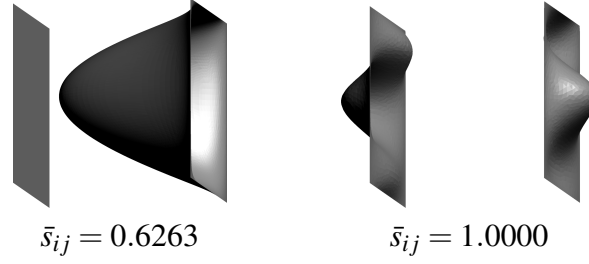
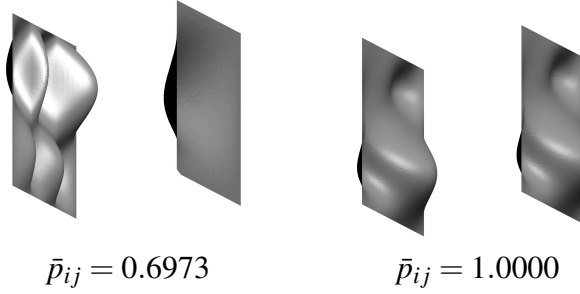


Figure 3–7: Summary of quantifications of the Gestalt principles of symmetry, parallelism, and continuity for 2D and 3D representations.

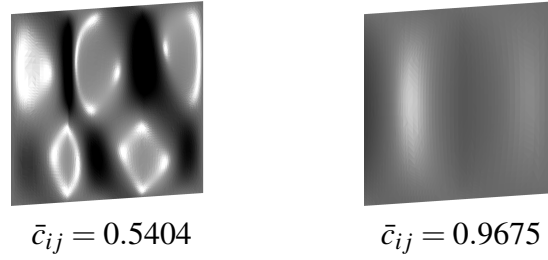
triangulation-based meshes, while the quantification of continuity was possible following the procedure proposed by in [95] to calculate the Gaussian curvature K . This procedure consisted in the estimation of the normal vectors at each vertex using area-weighted averaging between the normal vectors of each adjacent triangle. Then, each normal vector



a. Low and high symmetry



b. Low and high parallelism



c. Low and high continuity

Figure 3–8: Freeform surfaces with low and high values of each Gestalt principle.

is compared to the neighboring vectors to approximate an orthogonal local parametrization $^{(ij)}\mathbf{r} \rightarrow \mathbf{r}(\xi, \eta)$ and determine the components of the shape tensor \mathbf{II} via Cholesky decomposition/linear least squares.

3.3.1 Participants

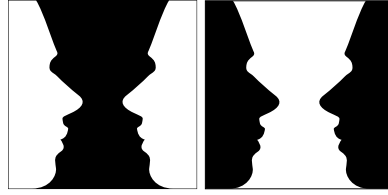
The subjects were recruited through the crowdsourcing tool Amazon Mechanical Turk (MTurk) with reported ages over 18 years old with normal or corrected-to-normal vision. The survey was restricted to subjects living in the USA with a rating of approval

from previous Human Intelligence Tasks (HIT) of 95% or higher. The subjects who accepted to participate in the study were redirected to an online survey through a link in the MTurk platform. From a total of 298 participants in the survey, 197 subjects (111 women, 86 men) completed the survey. The average completion time was 3 minutes 14 seconds. The reward was \$0.10 per survey, equivalent to an average hourly wage of \$1.86, which is over the reservation hourly wage of MTurk workers (the minimum reward for which they would accept the HIT) of \$1.38 [96].

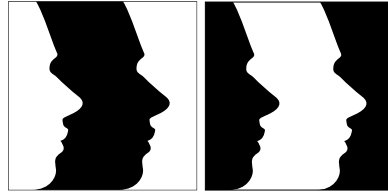
3.3.2 Study Procedure

The survey for the assessment of the 3D Gestalt quantifications was divided in three sections, one for each Gestalt principle in question. At the beginning of each section, a short definition of each principle was given to reduce bias due to misinterpretations (see Fig. 3–9). For the assessment of symmetry and parallelism, 4 projections (top, front, right side, and isometric views) of each pair of shapes with low or high Gestalt values were shown (Figs. 3–8.a-b). On each page, subjects were asked to “Look at every projection of the surfaces shown”. Then, subjects answer the question “In your opinion, what is the level of symmetry/parallelism between the two surfaces below?” using a Likert-scale shown below with the levels “Low” “Medium-low”, “Medium”, “Medium-High”, and “High” (see Figs. 3–10 and 3–11). In the case of continuity, Fig. 3–8.c, each surface was presented in different pages with the question “In your opinion, what is the level of continuity of the surface below?” right before the five-level Likert scale (see Fig. 3–12).

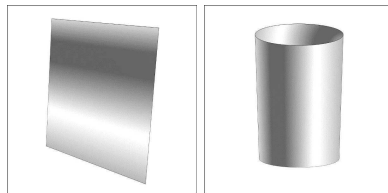
The order of appearance of each set of questions for each Gestalt principle and the order of the questions within them was randomized. An attention filter question was presented randomly once during the survey to verify if the subjects were following every instruction. These question consisted of the instruction “pick medium-high in order to get paid” etched on a flat surface. At the end of the survey, subjects were asked their gender,



SYMMETRY: ONE SURFACE IS THE MIRROR OF THE OTHER WITH RESPECT TO A PLANE.



PARALLELISM: SURFACES WHOSE SHAPES ARE SIMILAR IN A DIRECTION.



CONTINUITY: A SMOOTH SURFACE THAT CAN BE DEVELOPED FROM/INTO A SHEET WITHOUT CRUMPLING OR STRETCHING.

Figure 3–9: Concise definitions of each Gestalt principle for the visual assessment survey.

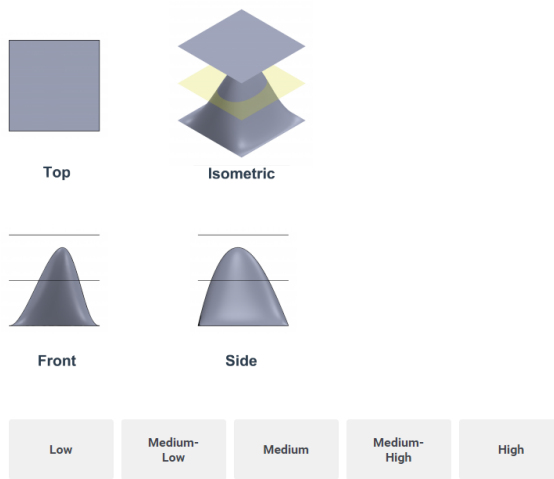
range of age, and highest level of education achieved. Finally, subjects were asked to enter a survey completion code for rewarding purposes.

3.4 Categorical Data Analysis

The number of observations were: $197 \text{ subjects} \times 3 \text{ principles} \times 2 \text{ sets} = 1,182$ per participant. The global null hypothesis that the responses for the two sets of each of the Gestalt principles are not independent was tested using the Fisher's exact test for contingency tables with statistical software R. The p -values for symmetry, parallelism, and

Look at every projection of the surfaces shown.

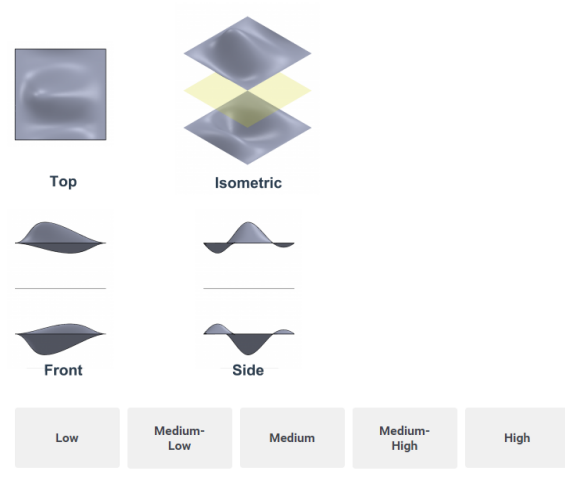
In your opinion, what is the level of SYMMETRY between the two surfaces below with respect to the yellow plane?



a. Low symmetry

Look at every projection of the surfaces shown.

In your opinion, what is the level of SYMMETRY between the two surfaces below with respect to the yellow plane?

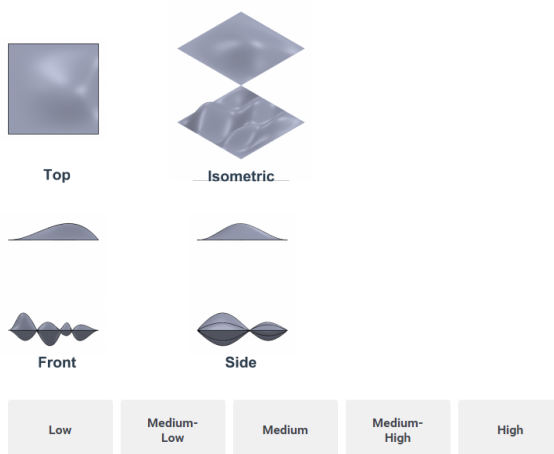


b. High symmetry

Figure 3–10: Assessment of 3D quantification of the Gestalt principle of symmetry.

Look at every projection of the surfaces shown.

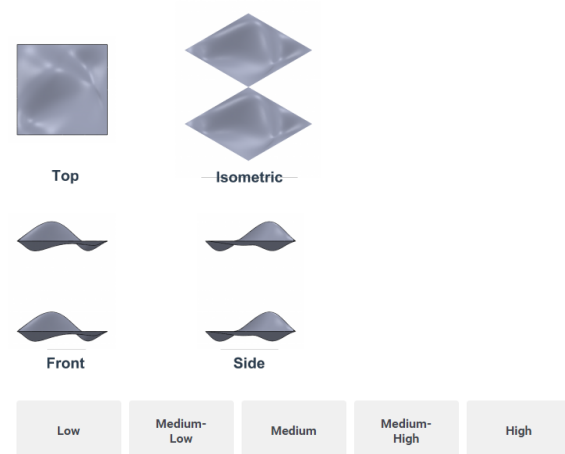
In your opinion, what is the level of PARALLELISM between the two surfaces below?



a. Low parallelism

Look at every projection of the surfaces shown.

In your opinion, what is the level of PARALLELISM between the two surfaces below?



b. High parallelism

Figure 3–11: Assessment of 3D quantification of the Gestalt principle of parallelism.

continuity were approximately $2 \cdot 10^{-4}$, $3 \cdot 10^{-14}$, and $2 \cdot 10^{-16}$, respectively, showing that

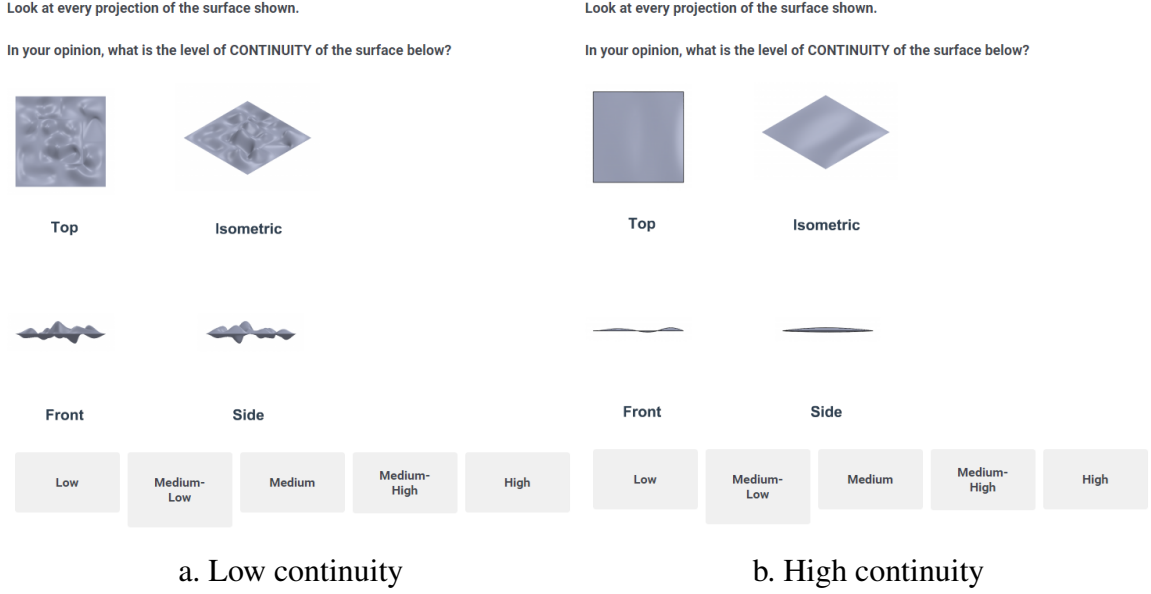


Figure 3–12: Assessment of 3D quantification of the Gestalt principle of continuity.

subjects responses to each question were not correlated, thus the global null hypotheses can be reject. Figure 3–13 shows boxplots for each of the quantified Gestalt principles.

Random parameter ordered logit (a.k.a. proportional odds and cumulative logit) makes possible to determine how strong is each quantification in relation with subjects' judgments of the level of each Gestalt principle in terms of utility estimates β . The categorical data was analyzed with the aid of open R-based softwares [97, 98]. The results in Table 3–1 show that the quantification of parallelism was the strongest, and Eq. 3.6 predicts grouping by parallelism with an estimate twice as effective as the estimates of symmetry and continuity, approximately. Table 3–1 also includes the threshold coefficients, μ , which represent the cutoffs of utility between response levels "Low" to "High" (1 to 5) [30]. The cumulative probability that a gestalt value, x , obtained with Eqs. 3.1, 3.3, and 3.6, predicts any response below that threshold is:

$$\Pr(\beta x + \varepsilon < \mu) = \frac{\exp(\mu - \beta x)}{1 + \exp(\mu - \beta x)}, \quad (3.8)$$

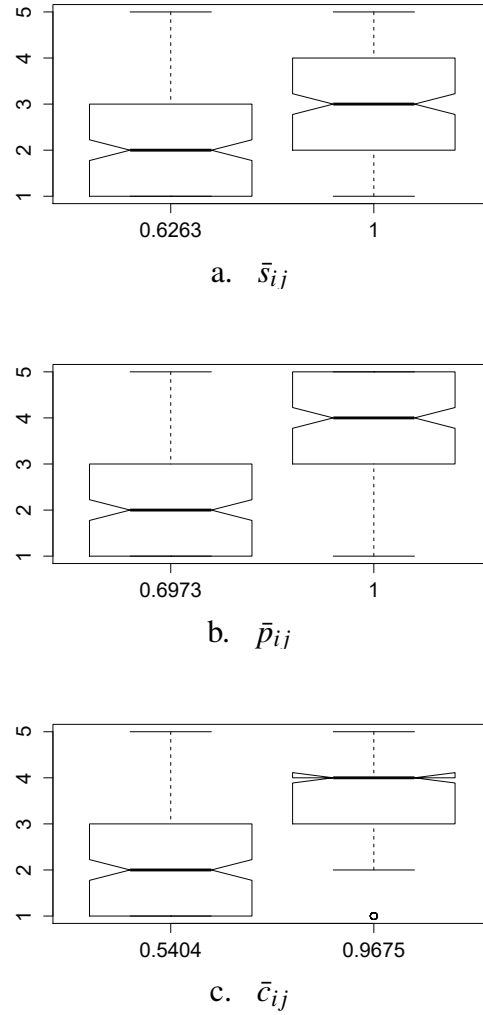


Figure 3–13: Box-and-whisker plot with 95% confidence interval notch of 5-level ordered responses for a. symmetry, b. parallelism, and c. continuity. The horizontal line along the notch represents the median.

where ε represents the unobserved factors considered random. The chances of predicting the responses in-between can be obtained by subtracting the cumulative probability between two any thresholds. Table 3–2 shows how well the Gestalt values calculated with Eqs. 3.1, 3.3, and 3.6 predicted judgments about perceived low ($<$ “Medium”) and high ($>$ “Medium”) levels of symmetry, parallelism, and continuity.

Table 3–1: Maximum likelihood estimates, simulation on 500 halton draws.

GP	β	SD	μ_{1-2}	μ_{2-3}	μ_{3-4}	μ_{4-5}	p -value	Log-likelihood
\bar{s}_{ij}	3.2391	0.0032	1.5405	2.5335	3.3239	4.4704	0.0002	−605.3
\bar{p}_{ij}	8.0092	0.0040	5.5584	6.4606	7.3597	8.6340	< .0001	−548.9
\bar{c}_{ij}	4.5353	0.0003	2.2788	3.2422	4.2972	5.7750	< .0001	−569.8

Table 3–2: Probability of predicting perceived low and high levels of Gestalt using Eqs. 3.1, 3.3, and 3.6.

GP value, x	Pr(< “Medium”)	Pr(> “Medium”)
$\bar{s}_{ij} = 0.6263$	0.6236	0.2150
$\bar{s}_{ij} = 1.0000$	0.3306	0.4788
$\bar{p}_{ij} = 0.6973$	0.7059	0.1449
$\bar{p}_{ij} = 1.0000$	0.1753	0.6569
$\bar{c}_{ij} = 0.5404$	0.6885	0.1361
$\bar{c}_{ij} = 0.9675$	0.2418	0.5219

3.5 Discussion

The results in Table 3–2 show that the low Gestalt values have a probability between 62.36% and 70.59% of predicting judgments about (< “Low”) and (< “Medium-low”) level of Gestalt. On the other hand, the high symmetry value poorly predicted high level responses, with a probability of 47.88%, and chances of predicting a “Medium” response of 19.06%, reflecting the need of a clearer definition of symmetry and surveying more values. In general, the quantifications were found to predict subjects’ perceived level of Gestalt with the quantification of parallelism obtaining the greatest odds, secondly continuity, and lastly symmetry. For a better exploration of the relationship between the proposed quantifications and subjects’ perception, the Gestalt values shall be set wider apart, and their dispersion within each freeform must be taken into account.

CHAPTER 4

METHODOLOGY FOR ELICITATION OF AESTHETIC PREFERENCE USING QUANTIFIED GESTALT PRINCIPLES

The purpose of this chapter is to introduce the procedures to estimate the aesthetic utility of the Gestalt principles of symmetry, parallelism, and continuity of 2D and 3D product representations. The proposed methodology can be applied in early as well as late design stages to estimate overall adherence of the product shape to the initial concept developed by designers [4]. This procedure is suitable for a wide variety of products, like automobiles, cellphones, game controllers, bottles, and sunglasses. The methodology elaborates as follows:

1. the product silhouette is divided into key atomistic elements (discretization);
2. the Gestalt principles that best suit the grouping of those elements are quantified using Eqs. 3.1 to 3.6;
3. the Gestalt values are used as design variables to generate new product shapes (optimization);
4. sets of designs with different combinations of Gestalt levels can be used to elicit aesthetic subject preference;
5. finally, the preference data is analyzed to determine the effect of each Gestalt principles on aesthetics judgments among subjects.

4.1 Product Form Discretization and Gestalt Quantification

Prior to calculating the Gestalt values, the product representation has to be simplified to its most latent geometric attributes using discretization techniques. To compute the values of symmetry (Eq. 3.1) and parallelism (Eqs. 3.2 and 3.3), the model shall allow designers to query the radii values $^{(*)}r_{ij}$ (2D or 3D case) and the slope angles $^{(*)}\phi_j$ (2D case) or the normal vectors $^{(*)}\mathbf{n}_{ij}$ (3D case) at $i = 1, 2, \dots, m$ and $j = 1, 2, \dots, n$ coordinates (see Fig. 3–7.a–d). For continuity, the model must also expedite the computation of first and second derivatives for the use of Eq. 3.5 for 2D representations and Eq. 3.6 for 3D representations.

When using 2D representations like silhouettes, the discretization can be made with parametric forms (e.g. cubic splines, Bézier curves), commonly used in vector graphics. These parametric forms are able to represent a large variety of shapes with only few control points. The number of control points will define the degree of the polynomials generated as well as the degree of manipulation desired. Cubic Bézier curves stand out among other parametrization techniques thanks to their flexibility and less computational requirement which makes them widely used in computer graphics and product design [99–101]. The shape of a Bézier curve is determined by the vertices of the polygon resulting from the input control (anchor and handle) points [102]. The curve passes through the anchor points and is also tangent to the polygon at these points as shown in Fig. 4–1. With careful manipulation, the curve can be made to pass through another single point within the generating polygon. The curve always lies within the convex hull of this polygon; this property is referred to as the convex hull property [103].

An example of discretization of a bottle silhouette using cubic Bézier curves is shown in Fig. 4–2. The body and shoulder of the bottle was divided into six (6) cubic Bézier curves, three at each side, with control points identified by ${}^l\mathbf{p}_k$ and ${}^l\mathbf{q}_k$ for left and right respectively (from bottom to top, $l = 1, 2$ are the Bézier curves that draw the body, $l = 3$ draws the shoulder; subindices $k = 0$ and $k = 3$ indicate the anchor points, and $k = 1$ and

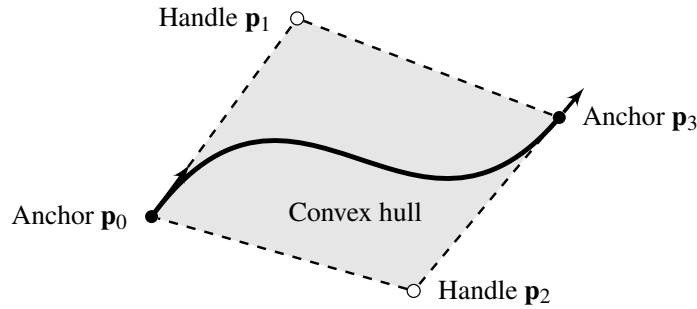


Figure 4–1: Cubic Bézier curve with control (anchor and handle) points and convex hull.

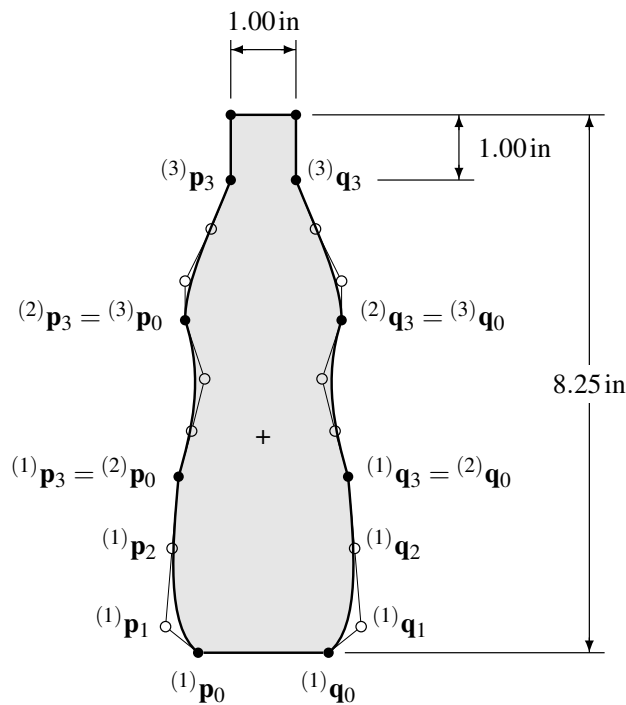


Figure 4–2: Examples of discretization of a 2D representation of a bottle using cubic Bézier curves. The silhouette of the body and shoulder of the bottle is composed of three cubic Bézier curves on each side, while straight lines were used to draw the bottom (1) and tap (3).

$k = 2$ the handle points). The base and neck were constructed with straight lines. The plus sign “+” on Fig. 4–2 indicates the location of the bottle centroid.

For 3D representations, the designer might consider the use of CAD software in the sketching and/or final rendering of the discretized model. Contemporary CAD tools

are capable of managing different discretization techniques like Delaunay triangulation (Fig. 4-3.a) and parametrization with cubic splines (Fig. 4-3.b), and giving information about coordinates, normal vectors, and Gaussian curvature at any point of the shape surface. From the two bottle shape models shown in Fig. 4-3, the discretization using cubic splines is more computationally efficient if implemented in numerical analysis software. The availability of interpolation libraries for scientific programming makes the estimation of the cubic spline model and its first and second derivatives more straightforward. Moreover, if rails and cross sections are orthogonal at each knot, the computation of the principal curvatures using Eq. 3.7 does not require additional local parametrizations, and κ_1 and κ_2 become the elements of the diagonal. Finally, the rendering of the cubic spline model with loft operations available in CAD software is smoother, with the Delaunay triangulation model requiring large arrays of vertices (fine meshing) to properly recreate the actual form, a condition that is counter-productive if further shape optimization of the model is required.

4.2 Generation of Product Shapes based on Gestalt Values

The discretized model and all the functions necessary to quantify the Gestalt principles are integrated into an optimization algorithm to generate product shapes with particular Gestalt values. The optimization problem (Eq. 4.1) combines average measures of symmetry ($S = \bar{s}_{ij}$), parallelism ($P = \bar{p}_{ij}$), and continuity ($C = \bar{c}_{ij}$) in a scalar merit function and, depending on whether the sign of exponents u , v , and w is positive or negative, searches the radii values $^{(*)}r_{ij}$ that minimize or maximize, respectively, each Gestalt principle:

$$\begin{aligned} \min_{^{(*)}r_{ij}} \quad & S^u P^v C^w, \quad u, v, \text{ and } w \in \mathbb{R} \\ \text{s.t.} \quad & \begin{cases} \text{Dimensional constraints} \\ \text{Functional constraints} \\ \text{Behavioral constraints on } S, P, \text{ and } C. \end{cases} \end{aligned} \quad (4.1)$$

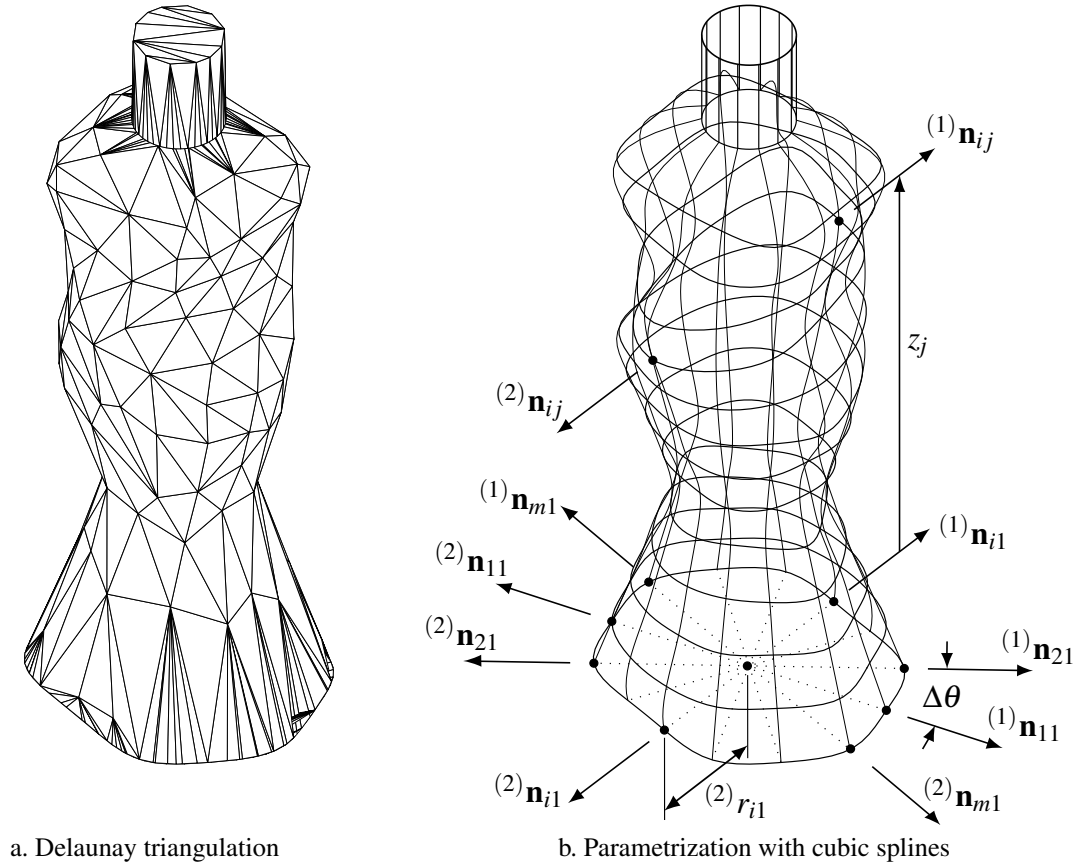


Figure 4–3: Examples of discretization of a 3D representation of a bottle shape.

The dimensional constraints define the range of possible radii values while the functional constraints could be area, volume, or amount of material, among others. Functions that measure the complexity of the model and the manufacturing costs can also be included. The behavioral constraints are used to define the range of desired Gestalt values, their variability, and distribution along the product shape. Appendix B contains all the necessary codes to quantify and optimize the Gestalt principles of symmetry, parallelism, and continuity.

4.3 Elicitation of Aesthetic Preference

The evaluation of the relationship between Gestalt principles and aesthetic preference requires experiments in which subjects can fully visually interact with a finite number of 2D and/or 3D product representations from an orthogonal and balanced set of combinations of Gestalt values. To properly test main and cross effects of the Gestalt quantifications, the study should also allow subjects to distinguish the designs they consider more aesthetically appealing from those they dislike. Both issues can be addressed with stated preference (SP) elicitation methods like rankings/choice-based conjoint analysis (CA) and DCE studies [33]. Conjoint Analysis uses a linear model and individual-level ranking or rating data, while DCE uses a nonlinear model and aggregate choice data [32]. Both methods have been successfully used in previous research for evaluation of aesthetic subject preference for 2D and 3D product representations [8, 24].

The simulated choice scenarios offered by DCE provide a simpler and more realistic task for subjects than ratings or rankings [29], giving designers a better understanding of the effect that a particular attribute level has on subjects' decisions [31]. Random utility theory (RUT), the basis of DCE, states that only differences in utility within a choice set are relevant to the subjects' preference [30], meaning that researchers can estimate the probability of choice but not predict subjects' decisions in every situation [33].

The integration of VR technologies for elicitation of aesthetic preference allows designers to test close interactions between subject and product form without the need of manufacturing actual prototypes, thus minimizing costs and bias due physical contact [104]. Another advantage of using VR systems in preference studies is the automation of the experiment. For a VR-based DCE study, the presentation of choice sets and the recording of subjects responses can be done automatically without the need of further intervention of the designers. An immersive VR-based DCE study with N choice sets using VR systems is described in Fig. 4-4. This procedure is applied in Chapter 6 to

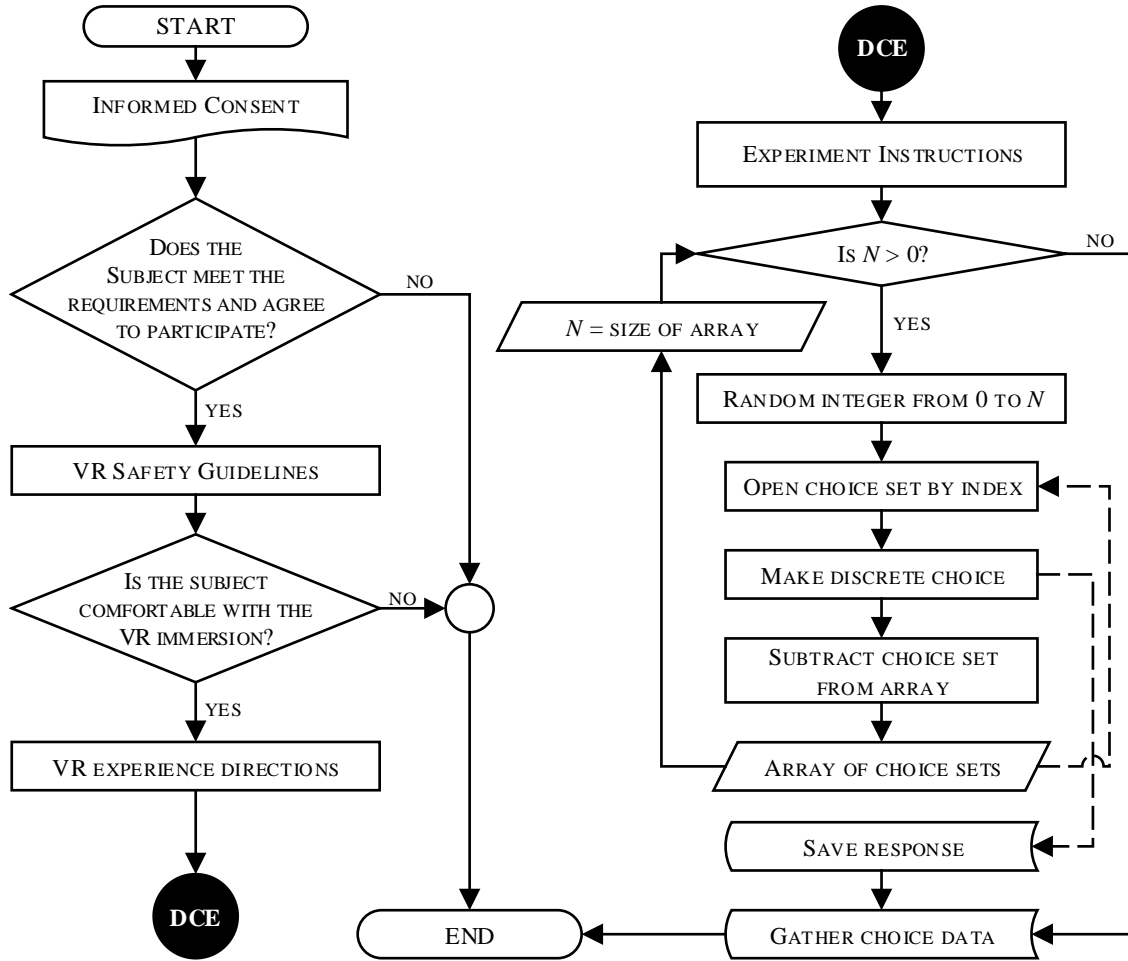


Figure 4–4: Immersive virtual DCE study procedure.

determine the part-worth utility estimates of the Gestalt quantifications on subjects' preferences about the aesthetics of 3D bottle representations.

CHAPTER 5

CASE STUDY 1: PART-WORTH UTILITIES OF GESTALT PRINCIPLES FOR THE AESTHETICS OF A BOTTLE SILHOUETTE²

5.1 Introduction

This chapter examines two hypotheses related to the part-worth utility of the Gestalt principles of symmetry, parallelism, and continuity on the aesthetic subject preference for 2D bottle representation. The hypotheses to be tested are: 1) each of the Gestalt principles investigated here are predictors of aesthetic subject preference; and 2) each of the Gestalt principles investigated here have a positive effect on aesthetic subject preference (the part-worth utilities are all greater than zero). First, a brief discussion of the criteria that led to the selection of a fragrance bottle shape as a suitable case study is given. Then, the equations to quantify symmetry, parallelism, and continuity are applied to a parametric model of the product shape in order to identify limits within the design space in which the Gestalt principles could reach critical values. Finally, to test all interactions between designs with different Gestalt levels as part of the subject preference study, a full factorial set of bottle silhouettes with well-defined high and low levels of Gestalt is generated aiming to perform a full-profile DCE study with non-fatiguing size.

² AMBROSIO VALENCIA-ROMERO AND JOSÉ E LUGO. PART-WORTH UTILITIES OF GESTALT PRINCIPLES FOR PRODUCT ESTHETICS: A CASE STUDY OF A BOTTLE SILHOUETTE. *ASME JOURNAL OF MECHANICAL DESIGN*, 138(8):081102, 2016.

5.2 Product Selection and Silhouette Parametrization Using Cubic Bézier Curves

The criteria considered for the selection of the case study were: 1) the shape of the product selected must be easy to recognize; 2) its silhouette must have the possibility to be easily associated to the Gestalt principles discussed yet be simple to be well represented through a generic form; 3) it must be possible to generate designs from all possible combinations of high and low levels of Gestalt; 4) the purpose of the product must prompt subjects to overlook non-aesthetically shape features like ergonomics, reducing bias in subjects' decisions respect to what designs are more aesthetically appealing. For the sake of simplicity, the product form should be discretized in order to facilitate its manipulation, minimize the computational cost, and gather enough information from subjects interaction with the product [42]. A product that meets the previous considerations is a bottle. The shape of a bottle aims to dispose towards or reinforce an impression about its content [9, 17, 105–107]. Also, bottle shapes with different combinations of Gestalt values can be associated with several bottle types. Thus, the silhouette of a bottle is here used as case study for the preference study.

A 2D generic shape of a bottle is shown in Fig. 5–1. The body and shoulder of the bottle was divided into six (6) cubic Bézier curves, three at each side, with control points identified by ${}^l\mathbf{p}_k$ and ${}^l\mathbf{q}_k$ for left and right respectively (from bottom to top, $l = 1$ and $l = 2$ are the Bézier curves that draw the body, $l = 3$ draws the shoulder; subindices $k = 0$ and $k = 3$ indicate the anchor points, and $k = 1$ and $k = 2$ the handle points). The base and neck were constructed with straight lines. The plus sign “+” on Fig. 5–1 indicates the location of the bottle centroid.

5.3 Generation of Product Silhouettes with Different Levels of Gestalt

Control points ${}^l\mathbf{p}_k$ and ${}^l\mathbf{q}_k$ in Fig. 5–1 were used as input in a script to draw the bottle silhouette and then calculate the values of symmetry, parallelism, and continuity of the body and shoulder of each bottle design. To quantify symmetry and parallelism

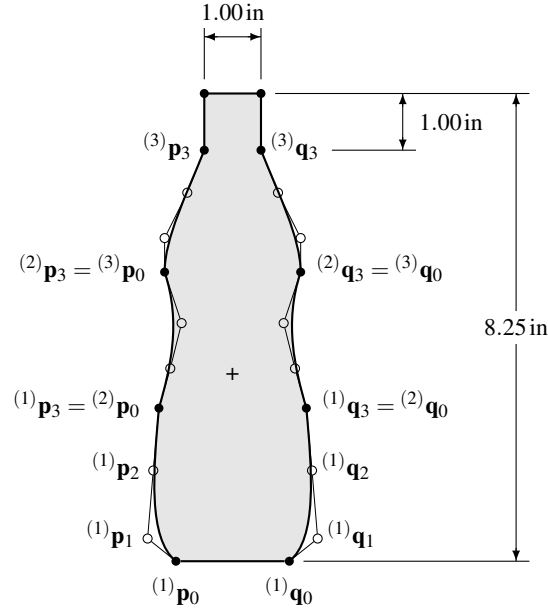


Figure 5–1: Generic bottle silhouette constructed with cubic Bézier curves.

is necessary to interpolate coordinates on both sides with the same vertical increment; a hundred interpolated coordinates evenly distributed along the vertical axis and their first derivatives were calculated. This information is sufficient to calculate S and P with Eqs. 3.1 and 3.2, respectively. Finally, continuity was quantified for each side of the bottle silhouette with Eqs. 3.4–3.5 using information of the first and second derivatives. The general procedure to quantify Gestalt values for 2D product representation is summarized in Fig. 5–2. For the bottle silhouette shown in Fig. 5–1, for example, this procedure results in the Gestalt values $S = 1.00$, $P = 0.87$, and $C_{left} = C_{right} = 0.80$.

The procedure to quantify symmetry, parallelism, and continuity described in Section 5.2 was introduced into a constrained optimization problem to find adequate control points that minimize or maximize each Gestalt principle of the bottle silhouette of Fig. 4–2. Geometric constraints included constant height of 8.25 in, neck dimensions of 1.00 in \times 1.00 in, and shape area between 15.75 and 16.75 in². The shape of the tap and height remained equal in all the designs. Since the optimization problem has multi-objective functions, the Gestalt quantifications are combined into a single scalar merit function, see

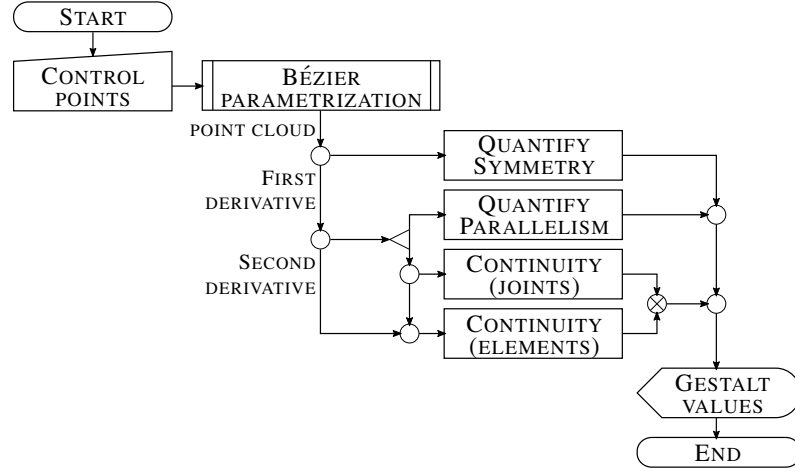


Figure 5–2: Quantification of symmetry, parallelism, and continuity of a bottle silhouette.

Eq. 5.1 (4.1), that allows the researchers to choose between minimization and maximization of each principle by changing exponents u , v , and w . The optimization problem was rewritten as:

$$\min_{l_{\mathbf{p}_k}, l_{\mathbf{q}_k}} S^u P^v C^w, \quad u, v, \text{ and } w \in \mathbb{Z} \quad (5.1)$$

subject to $\begin{cases} \text{Geometric constraints} \\ \text{Constraints on behavior variables } S, P, \text{ and } C. \end{cases}$

Depending on whether any of the exponents is positive or negative, the optimization problem will minimize or maximize, respectively, the corresponding Gestalt principle. This merit function was included into an interior–point optimization algorithm to generate designs with different ranges of Gestalt values with all possible combinations of high and low levels of symmetry, parallelism, and continuity. With three Gestalt principles considered, each at two levels, a maximum number of eight combinations between them are possible.

The steps to generate bottle silhouettes with different levels of Gestalt is summarized in Fig. 5–3 and explained next. In order to start the optimization, the initial control points

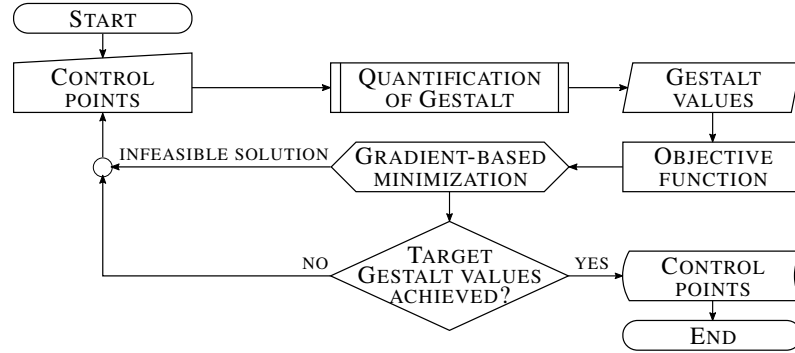










Figure 5–3: Generation of bottle silhouettes with different levels of Gestalt.

Table 5–1: Full factorial bottle silhouettes for three Gestalt principles, each at two levels (high and low).[‡]

q \mathbf{x}_q	1 (0 0 0)	2 (0 0 1)	3 (0 1 0)	4 (0 1 1)	5 (1 0 0)	6 (1 0 1)	7 (1 1 0)	8 (1 1 1)
								
S	0.59 ↓	0.56 ↓	0.55 ↓	0.55 ↓	0.90 ↑	0.88 ↑	0.90 ↑	0.90 ↑
P	0.59 ↓	0.59 ↓	0.90 ↑	0.90 ↑	0.55 ↓	0.59 ↓	0.90 ↑	0.90 ↑
C	0.59 ↓	0.85 ↑	0.55 ↓	0.90 ↑	0.55 ↓	0.86 ↑	0.55 ↓	0.90 ↑

[‡] S : symmetry, P : parallelism, and C : continuity; ↑: high; and ↓: low

were created by heuristic manipulation so as to reduce computational time. After an initial exploration of the design space, it was possible to identify congruous limits of symmetry, parallelism and continuity. This high and low ranges of Gestalt values are shown in Fig. 5–4 and Table 5–1 contains the final bottle silhouettes. As it can be seen in Fig. 5–4 and Table 5–1, the high Gestalt levels are defined evenly from 0.85 to 0.90 and the low Gestalt levels from 0.55 to 0.59, with the shortest difference between levels being 0.26 in the C_{right} quantification. The goal is to have a coherent and consistent full-factorial set of bottle silhouettes in which a particular Gestalt-level had close or same values in every design.

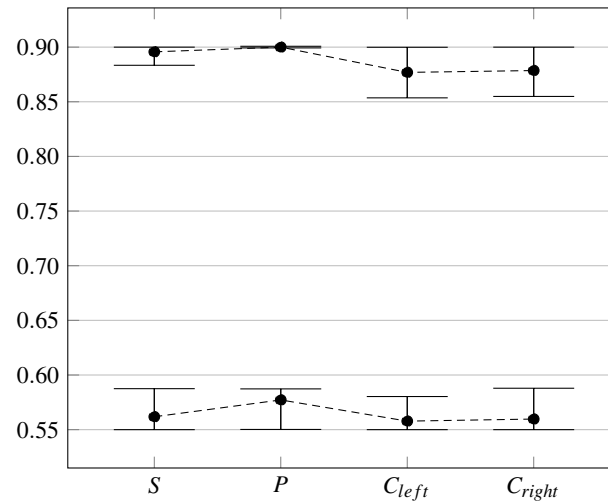


Figure 5-4: High and low levels of Gestalt of the final bottle silhouettes.

5.4 DCE Study

The eight bottle silhouettes presented in Table 5-1 were used to perform a DCE study in which subjects indicated which designs they found more aesthetically appealing. The purpose of the experiment was to identify the influence of the Gestalt principles of symmetry, parallelism, and continuity on subject decisions. The experiment consisted of a full profile DCE surveys with two alternatives per choice set for a total of twenty-eight ($N = \binom{8}{2} = 28$) choice sets from all possible combinations.

In a pre-survey, 101 subjects were asked to select two possible contents for the entire set of bottles shown. The contents inquired were beer, cleaner, cooking oil, milk, perfume/cologne, soap, soda, water, and wine. The top three choices were perfume or cologne with 41.1%, water with 11.4%, and soda with 10.4%. This results were considered in the development of the aesthetic preference study: the DCE survey specified the contents of the bottle as fragrance (perfume or cologne) bottles. Finally, at the end of the main study, 74% of the subjects agreed that the shapes corresponded to fragrance bottles. Both pre-survey and DCE survey were developed using the web-based survey tool SurveyGizmo integrated with the MTurk platform for the recruiting of subjects.

5.4.1 Participants

The subjects were recruited through the MTurk platform with reported ages over 18 years old with normal or corrected-to-normal vision. The survey was restricted to subjects living in the USA with a rating of approval from previous Human Intelligence Tasks (HIT) of 95 % or higher. The respondents who accepted to participate in the study were redirected to the survey through a link in the MTurk platform. A total 219 respondents (150 women, 69 men) completed the survey. The average completion time was 3 minutes 50 seconds. The reward was \$0.10 per survey, equivalent to an average hourly wage of \$1.57, which is over the reservation hourly wage of MTurk workers (the minimum reward for which they would accept the HIT) of \$1.38 [96].

5.4.2 Study Procedure

After respondents accept to perform the HIT in the MTurk platform, they are redirected to the experiment in SurveyGizmo. In the first page of the survey, subjects gave informed consent, received instructions to complete the survey, and learned other details about the study like estimated length, reward, and security of their personal information. Subjects were given the possibility to exit the survey at any time, and contact information of the researchers and the Institutional Review Board (IRB) was also provided. By clicking "Next" at the bottom of the page subjects acknowledged they were over 18 years old, have normal or corrected-to-normal vision, agreed to participate in the research and strictly follow further instructions with the expectation of a \$0.10 compensation.

On each screen from pages 2-14 and 16-29 of the survey, a different pair of designs was presented accompanied with the title question "Which fragrance (perfume or cologne) bottle do you find more appealing?" and the instruction "Click on the fragrance (perfume or cologne) bottle you find more appealing and then on next" as shown in the sample page in Fig. 5-5. The order of appearance of the choice sets as well as the order in which each bottle was presented was randomized. The images were uploaded in their original



Figure 5–5: Sample page of the aesthetic preference survey.

resolution of 2126×4252 pixels and their dimensions scaled to 200×400 pixels. The aspect of the pages was revised in different screen sizes to make sure that the question, the instruction, and the images could be seen without scrolling. At the middle of the survey, page 15, an attention filter question was presented to determine if the subjects were reading every instructions and answering correspondingly. This question consisted of two bottle silhouettes different from those in Table 5–1, one of them with text in white on it with the phrase “Pick this one” and below the instruction “Thank you for being patient. Please, click on the bottle with text on it”. Responses from subjects who picked the wrong bottle were rejected.

At the end of the survey, subjects were asked their gender, range of age, and highest level of education achieved. An additional request concerning the bottle silhouettes was inquired, with the query “In your opinion, the description of ‘perfume’ or ‘cologne’ suits properly the form of the bottles shown” on a Likert scale. The results were: 2.3%: strongly disagreed, 10.5% disagreed, 13.2% neither agreed or disagreed, 62.6% agreed, and 11.4% strongly agreed; this supported the information obtained in the pre-survey and could serve as a measure of how “odd” or “strange” the bottle shapes seemed for the subjects. Finally,

Table 5–2: Testing global null hypothesis: $|\beta| = 0$.

Test	χ^2	p
Likelihood Ratio	1210.2114	< .0001
Score	1127.2352	< .0001
Wald	976.6784	< .0001

subjects were asked to enter in MTurk a randomized number provided at the end of the survey.

5.5 Results from the Multinomial Logit Regression

5.5.1 Testing Null Hypotheses

The number of observations were: 219 subjects \times 28 sets \times 2 alternatives = 12,264. The global null hypothesis that none of the predictors in either of the models have non-zero coefficients was tested using Likelihood Ratio, Score, and Wald Chi-Square (χ^2) models via Statistical Analysis System–SAS software [32], with their results summarized in Table 5–2. The p -values in Table 5–2 determine the probability that none of the Gestalt principles tested are simultaneously related to the outcome (choice). With all three tests resulting in $p < 0.0001$, the global null hypothesis is rejected, meaning that the Gestalt principles do influence subject preference.

The Wald χ^2 -model was used to test the null hypothesis that at least one of the β_k would be zero when the other estimates are present in the model. Results in Table 5–3 show that this null hypothesis can be rejected ($p < 0.0001$), meaning that all the Gestalt principles are relevant to subject decisions. The hazard ratios (HR) for each Gestalt principle is also presented in Table 5–3. The Gestalt principle of symmetry has the greatest HR (1.820) meaning that the odds of choosing a high symmetry bottle design when present are increased almost by 2 times. In contrast, the HR for parallelism (0.324) indicates that the odds against choosing a bottle with high parallelism are almost 3 to 1.

Table 5–3: Testing null hypothesis, $H_0: \exists! \beta_k = 0 \in \beta$.

Parameter	χ^2	p	HR
Symmetry	250.8726	< .0001	1.820
Parallelism	792.8235	< .0001	0.324
Continuity	70.1145	< .0001	1.365

5.5.2 Fixed Coefficients MNL with Maximum Simulated Likelihood Estimation

The parameter estimates β_k using standard multinomial logit regression with MSL estimation via SAS software are shown in Table 5–4. The part-worth utilities of symmetry, parallelism, and continuity were 0.5990, -1.1273 , and 0.3111, respectively. Parallelism is determined to have a negative effect on the aesthetic subject preference of the product selected, with its absolute part-worth utility greater than the sum of the estimates of symmetry and continuity.

5.5.3 Random Coefficients MNL (Mixed Logit) with Hierarchical Bayes

For the mixed logit, the parameters were assumed to have a normal distribution making possible to obtain the standard deviation of each estimate and use the Z-score to determine the share of the population for which each of them had a negative effect (i.e. $\beta_k < 0$) or positive effect [30]. The mixed logit model was estimated using an open MATLAB-based software [108, 109]. Both fixed coefficients (standard) and random coefficients (mixed) models were evaluated using HB estimation (see Table 5–4) with log-likelihood values of -3645.3 and -3041.6 , respectively. The greater likelihood of the mixed logit model indicates that considering the parameters as randomly distributed is a better assumption.

The part-worth utilities of symmetry, parallelism, and continuity for the fixed model using HB were 0.6015, -1.1294 , and 0.3102, respectively, as expected, very similar to those obtained via MSL; on the other hand, the parameter using mixed logit model were 0.8806, -1.7840 , and 0.4398, respectively. In addition, Table 5–5 gives the correlation










Table 5–4: Multinomial logit regression using maximum simulated likelihood and hierarchical Bayes estimation.

Parameter	Std. MNL with MSL		Std. MNL with HB		Mixed Logit with HB		
	β_k	SE	β_k	SE	β_k	SD	Share for $\beta_k < 0$
Symmetry	0.5990	0.0378	0.6015	0.0385	0.8806	1.4499	27.00%
Parallelism	−1.1273	0.0400	−1.1294	0.0410	−1.7840	2.0500	81.35%
Continuity	0.3111	0.0372	0.3102	0.0383	0.4398	0.5860	22.15%

Table 5–5: Correlation among parameter estimates with transformation of normals.

Parameter	S	P	C
Symmetry	1.0000	0.2263	0.2719
Parallelism	·	1.0000	0.0074
Continuity	·	·	1.0000

Table 5–6: Probability of choice as a function of utility obtained from fixed and random (mixed) logit models.[‡]

q \mathbf{x}_q	1 (0 0 0)	2 (0 0 1)	3 (0 1 0)	4 (0 1 1)	5 (1 0 0)	6 (1 0 1)	7 (1 1 0)	8 (1 1 1)
								
S	0.59 ↓	0.56 ↓	0.55 ↓	0.55 ↓	0.90 ↑	0.88 ↑	0.90 ↑	0.90 ↑
P	0.59 ↓	0.59 ↓	0.90 ↑	0.90 ↑	0.55 ↓	0.59 ↓	0.90 ↑	0.90 ↑
C	0.59 ↓	0.85 ↑	0.55 ↓	0.90 ↑	0.55 ↓	0.86 ↑	0.55 ↓	0.90 ↑
Pr, fixed	0.1132	0.1543	0.0366	0.0499	0.2065	0.2817	0.0668	0.0910
Pr, rand.	0.0983	0.1526	0.0165	0.0256	0.2371	0.3681	0.0398	0.0618

[‡] S : symmetry, P : parallelism, and C : continuity; ↑: high; and ↓: low

among estimates implied by the assumption of normally distributed parameters. Finally, using Eq. 2.1, the β_k values are used to estimate the probability that each of the alternatives is chosen, shown in Table 5–6.

5.6 Discussion

The results of the DCE analysis show that the first hypothesis that the Gestalt principles are meaningful to aesthetic subject preference is true, and that symmetry, parallelism, and continuity were all relevant to subjects decisions for the case study presented. It is also verified that the effect of each Gestalt principle is not nullified by the other principles. This indicates that the Gestalt principles can be considered as good predictors of aesthetic preference for a fragrance bottle silhouette. Although the log-likelihood values show that the mixed logit is a better approach, the ratios between parameter estimates for both models are very similar; it is left to the discretion of the designer to choose the model that best suit the current stage of the design process. The principles of symmetry and parallelism are found to have the greatest impact on aesthetic preference and a small change of their Gestalt values could lead to great changes in the utility of the design. Conversely, continuity has the lowest absolute part-worth utility, and thus it is less restrained in terms of aesthetic preference. Nevertheless, the correlation between continuity and symmetry (0.2719) is worth of consideration (see Table 5-5), while Table 5-6 shows high symmetry/high continuity silhouettes have a great probability of being preferred.

The second hypothesis that the part-worth utilities of the Gestalt principles are all positive is true in two out of three of the principles tested here. It is true for symmetry and continuity, however it is false for parallelism. The bottles with high parallelism have the lowest probability to be chosen by subjects. Also, the positive correlation between parallelism and symmetry (0.2263) shows that a low value of the latter enhances the negative effect of parallelism on aesthetic preferences. The combination of low symmetry and parallelism results in shapes with questionable stability, manufacturability, and ergonomics, like the bottle silhouettes 3 and 4. Subjects could have been inclined to dislike these bottle silhouettes due to lack of information about how these bottles remain stable, how they could be fabricated, and/or if they are comfortable to use or carry (see Table 5-6). The estimated share of the population negatively affected by parallelism (81.35%) was also the

greatest among Gestalt principles (see Table 5-4). These issues with the high parallelism bottles might have taken away the subjects from a purely aesthetic evaluation to include the function of the bottle in their decision, something that was not clearly present in the other bottle designs.

CHAPTER 6

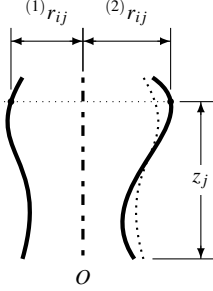
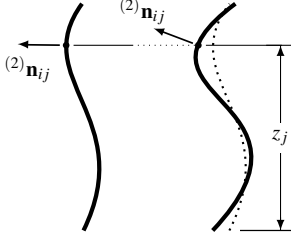
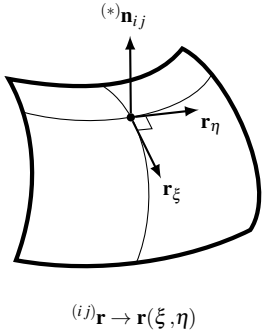
CASE STUDY 2: AN IMMERSIVE VIRTUAL DCE STUDY FOR PRODUCT AESTHETICS USING 3D GESTALT QUANTIFICATIONS³

6.1 Introduction

This chapter explores the use of quantified Gestalt principles of symmetry, parallelism, and continuity as variables to evaluate the aesthetics of three-dimensional product representations. In this case study, the hypotheses to be tested are: 1) the quantifications of symmetry, parallelism, and continuity principles for 3D representations can be used to predict aesthetic subject preferences; and 2) there is a definite tendency in aesthetic judgments towards each of the 3D Gestalt quantifications tested. This procedure is described next using a 3D bottle shape as example and Gestalt quantifications (summarized in Table 6–1 for the benefit of the reader) with cylindrical coordinates (Fig. 6–1). First, the 3D bottle shape is discretized in a convenient way such that the Gestalt quantifications of symmetry, parallelism, and continuity can be applied and their manipulation is computationally efficient. This model is used to generate shapes with different combinations of Gestalt values according to experimental design for preference elicitation. Next, subjects are invited to evaluate the product shapes they consider most aesthetically appealing

³ AMBROSIO VALENCIA-ROMERO AND JOSÉ E LUGO. AN IMMERSIVE VIRTUAL DISCRETE CHOICE EXPERIMENT FOR ELICITATION OF PRODUCT AESTHETICS USING GESTALT PRINCIPLES. SUBMITTED TO THE *DESIGN SCIENCE JOURNAL*, 2016.

Table 6–1: Quantification of symmetry, parallelism, and continuity for 3D representations.

Principle	Proposed 2D Quantification
<p>Symmetry</p> <p>The proposed expression (6.1) measures 3D continuous symmetry as the ratio between the difference and the average of two opposite distances perpendicular to a plane (mirror symmetry) or an axis (cylindrical symmetry or axisymmetry).</p>	 $s_{ij} = \exp \left(-2 \frac{ (1)r_{ij} - (2)r_{ij} }{ (1)r_{ij} + (2)r_{ij} } \right) \quad (6.1)$
<p>Parallelism</p> <p>Also known as “<i>similarity of direction</i>”, it is the tendency to group nearby parallel contours together [88, 89]. Equation (6.2) measures 3D parallelism between normal vectors of two opposite surfaces as their squared dot product.</p>	 $p_{ij} = \left (1)\mathbf{n}_{ij} \cdot (2)\mathbf{n}_{ij} \right ^2 \quad (6.2)$
<p>Continuity</p> <p>Continuous elements with smooth changes in directions are considered part of a whole [53]. Equation (6.3) uses the Gaussian curvature K_{ij} as measure of continuity, with flat surfaces having a maximum value of one and angular edges tending to zero. Principal curvatures κ_1 and κ_2 are the eigenvalues of the shape tensor $\mathbf{\Pi}$, which can be determined through a local parametrization $(ij)\mathbf{r} \rightarrow \mathbf{r}(\xi, \eta)$ at each i, j point.</p>	 $c_{ij} = \exp(-K_{ij}) = \exp(-\kappa_1 \kappa_2), \quad (6.3)$ $\mathbf{\Pi} = \begin{bmatrix} \mathbf{r}_{\xi\xi} \cdot \mathbf{n} & \mathbf{r}_{\xi\eta} \cdot \mathbf{n} \\ \mathbf{r}_{\xi\eta} \cdot \mathbf{n} & \mathbf{r}_{\eta\eta} \cdot \mathbf{n} \end{bmatrix}. \quad (6.4)$

while immersed in a VR environment. To this end, a VR-based DCE study was conducted to elicit subjects’ preferences among pairs of bottle shapes with diverse Gestalt values. While immersed in the VR environment, the participants were able to visually explore the whole shapes thus capturing more information to develop their judgments. Further analysis of the choice data using mixed logit regression with hierarchical Bayes provides details on the aesthetic utility of the Gestalt principles in question, their distribution among the participant population, and correlation between estimates. The results

show that continuity has a positive effect over all the population, and that the principles of symmetry and parallelism have different aesthetic utilities for women and men.

6.1.1 Discretization and Gestalt Quantification of the 3D Bottle Representation

To compute the values of symmetry (Eq. 6.1) and parallelism (Eq. 6.2) of the 3D bottle shape shown in Fig. 6–1 using cylindrical coordinates, the model shall allow designers to query radii values $^{(*)}r_{ij}$ and normal vectors $^{(*)}\mathbf{n}_{ij}$, at $i = 1, 2, \dots, m$ opposite azimuthal coordinates $^{(1)}\theta_i$ and $^{(2)}\theta_i$ ($\Delta\theta = \pi/m$ rad), and $j = 1, 2, \dots, n$ heights z_j (directly from the model or by interpolation). For continuity, the model must also expedite the computation of the Gaussian curvature K_{ij} . More exactly, the estimation of second derivatives to calculate the principal curvatures is required. Revisiting the two bottle shape models shown in Fig. 4–3, the discretization using cubic splines is used in this case study (see Fig. 6–1). As mentioned previously in Section 4.1, the calculation of first and second derivatives and the computation of the principal curvatures using Eq. 6.4 for the cubic spline model is more straightforward than the calculation for the Delaunay triangulation model.

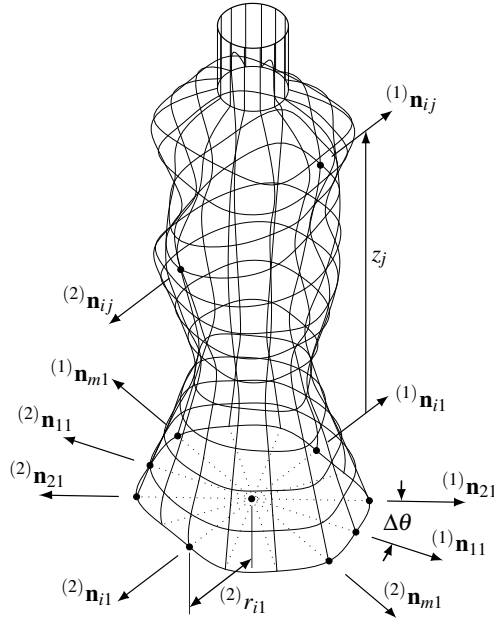


Figure 6–1: Discretization and parametrization of a 3D representation of a bottle shape using cubic splines.

6.2 Generation of 3D Product Shapes with Different Levels of Gestalt

The discretized model and all the functions necessary to quantify the Gestalt principles are integrated into an optimization algorithm to generate product shapes with particular Gestalt values. The optimization problem from Eq. 4.1 is revisited next for the benefit of the reader:

$$\begin{aligned} \min_{(*)r_{ij}} \quad & S^u P^v C^w, \quad u, v, \text{ and } w \in \mathbb{R} \\ \text{s.t.} \quad & \begin{cases} \text{Dimensional constraints} \\ \text{Functional constraints} \\ \text{Behavioral constraints on } S, P, \text{ and } C. \end{cases} \end{aligned} \quad (6.5)$$

with $S = \bar{s}_{ij}$, $P = \bar{p}_{ij}$, and $C = \bar{c}_{ij}$. For the case of a bottle shape, the dimensional constraints define the range of possible radii values while the functional constraints could be the bottle capacity and/or the amount of material. Functions that measure the complexity of the model and the manufacturing costs can also be included. The behavioral constraints are used to define the range of desired Gestalt values, their variability, and distribution along the product shape.

Sequential quadratic programming (SQP) and the merit function from Eq. 6.5 are applied to the discretized model with cubic splines of a bottle shape shown in Fig. 6–1.b to generate a set of bottle designs with combinations of low and high values of each Gestalt principle (full factorial design resulting in $2^3 = 8$ bottle shapes). The list of parameters and constraints considered to run the algorithm are summarized in Table 6–2. The definition of these parameters required heuristic manipulation and several iterations to distinguish the low and high Gestalt values for which the generation of even combinations of symmetry, parallelism, and continuity were feasible. Finally, the shapes generated with their respective Gestalt values and capacity in liters are shown in Table 6–3.a–c.

Table 6–2: Parameters considered in the generation of bottle shapes using SQP on Eq. 6.5 and the parametrization with cubic splines shown in Fig. 6–1.b.











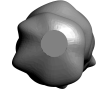




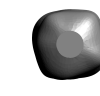
Description	Definition	Notes
Discretization model	$m = 14$	Number of loft guide rails
	$n = 14$	Number of cross sections
	$\Delta\theta = \pi/m$	Constant
	$\Delta z = z_m/n$	Constant
Dimensional constraints	$2.000 \leq {}^{(*)}r_{ij} \leq 4.500$	Radii values in cm
	${}^{(*)}r_{in} = 1.270$	Tap radius
	$z_m = 18.200$	Body height in cm
Functional constraints	$0.442 \leq V(r, \theta, z) \leq 0.524$	Bottle capacity in liters
Behavioral constraints	$SD(\bar{s}_{ij}) \leq 0.150$	Prior design space exploration required
	$SD(\bar{p}_{ij}) \leq 0.150$	Prior design space exploration required
	$SD(\bar{c}_{ij}) \leq 0.200$	Prior design space exploration required

Table 6–3: Summary of the DCE study.

a. TWO-LEVEL FULL FACTORIAL DESIGN FOR SYMMETRY, PARALLELISM, AND CONTINUITY ($2^3 = 8$ STIMULI).

q	1	2	3	4	5	6	7	8
\mathbf{x}_q	(0 0 0)	(0 0 1)	(0 1 0)	(0 1 1)	(1 0 0)	(1 0 1)	(1 1 0)	(1 1 1)

b. BOTTLE SHAPES GENERATED USING SQP ON EQ. 6.5 AND MODEL FROM FIG. 6–1.B. CAPACITY V GIVEN IN LITERS.

								
								
V	0.524	0.514	0.523	0.515	0.523	0.490	0.524	0.516

c. MEAN GESTALT VALUES OF THE BOTTLE SHAPES WITH STANDARD DEVIATION INSIDE PARENTHESES.

S	0.793 (0.144)	0.782 (0.146)	0.794 (0.104)	0.793 (0.099)	0.985 (0.036)	0.987 (0.033)	0.985 (0.029)	0.989 (0.022)
P	0.677 (0.150)	0.660 (0.150)	0.870 (0.135)	0.869 (0.136)	0.679 (0.150)	0.680 (0.150)	0.870 (0.150)	0.886 (0.140)
C	0.220 (0.200)	0.850 (0.200)	0.220 (0.200)	0.839 (0.180)	0.220 (0.200)	0.830 (0.200)	0.220 (0.200)	0.834 (0.173)

d. PROBABILITY OF CHOICE FOR EACH BOTTLE SHAPE AS A FUNCTION OF UTILITY (SEE EQ. 2.1 AND TABLE 6–5).

All	0.054	0.143	0.062	0.163	0.074	0.195	0.085	0.223
Women	0.070	0.137	0.061	0.120	0.110	0.216	0.096	0.189
Men	0.040	0.147	0.059	0.216	0.047	0.171	0.068	0.251

6.3 Virtual DCE Study for the Aesthetics of a Bottle

6.3.1 Development of the VR Environment

The VR environment to conduct DCE studies was developed using the game development middleware Unreal Engine 4.10 (UE4) [110]. Scripts within the UE4 platform are written in the programming language C++ and/or with the aid of a visual scripting system known as “Blueprint”. The steps for the development of a VR-based DCE study using UE4 are:

1. **Create new project in UE4:** The developer can choose between starting a blank project or selecting one of the Blueprint or C++ templates provided by UE4. Generally, both options already provide basic lights for exploration of the environment; otherwise, lights need to be added.
2. **First person perspective:** Parallel to the previous step, the developer has to make sure that the visualization of the environment is made in first person (rendered from the viewpoint of the subject). UE4’s new project templates “Blank” and “First person” are already configured for this use.
3. **Development of the DCE scenario:** Next step is to build the scenario within the VR environment in which the subjects will interact with and choose between different objects or product shapes. It could be required to remove some objects (a.k.a. assets) from the predefined templates. The scenario can be created within UE4 or with software Maya [111] or 3DSMax [112], among others. UE4 allows to import assets generated in other platforms as static/animated .fbx or static .obj files. Textures can be imported from .png or .bmp image files. Developers can also import other types of assets such as audio files (.mp3, .wav) or videos (.mp4, .3gp).
4. **Importing the product shapes to use as stimuli in the DCE study:** Similarly to the assets of the VR environment in the previous step, the objects or products to be assessed with DCE need to be imported to UE4 as .fbx or .obj files. Usually, CAD platforms are able to export models as .obj or .stl, while posterior conversion to .fbx file format can

be made with software Blender [113]. The bottle shapes in Table 6–3.b were produced using the “Lofted Surface” operation available in the CAD platform SolidWorks 2015 [114], based on the cross sections and loft guide rails made of cubic splines from the discretization and optimization procedures explained in Sections 6.1.1 and 6.2.

5. **Assigning collisions and type of mobility:** After creating or importing the assets, the developer has to assign collision properties to avoid the first person camera from going through the objects. Also, the developer has to assign mobility to the assets that require it (e.g. the product shapes). Both settings can be found in the tab “Details” respectively as “Collision Presets” and “Mobility” within the UE4 interface.
6. **Input actions:** The input actions can be pressing a key or button on a game controller or events within the experience (e.g. beginning/ending the game, opening a new level, destroying an asset). UE4 provides some predefined keyboard commands for walking and moving around the environment using the A, D, S, W, and cursor keys. Input actions from events can be created using C++ coding or Blueprint as shown in Fig. 6–2. Other actions such showing instructions, bringing forth (spawning) an object, or opening a new level can also be assigned to buttons on a game controller via C++ or Blueprint (see example in Fig. 6–3). Appendix C contains text-based Blueprint scripts that can be translated to visual scripts like the ones in Fig. 6–2 and 6–3 by copying and pasting on <http://blueprintue.com/>.
7. **DCE Logic:** The order in which each choice set is presented as well as the position of the product shapes in the choice set should be randomized. The developer can achieve these using C++ or Blueprint. Appendix C.3 contains a text-based Blueprint of this randomization in a sample DCE choice set level.
8. **Connecting the VR equipment:** The use of VR head-mounted displays (HMD) in UE4-based environments requires the installation or insertion of one or more extension components or plug-ins within UE4 or the UE4 project. Fortunately, this operation in UE4 can be performed in two steps respectively by enabling the VR built-in plug-ins

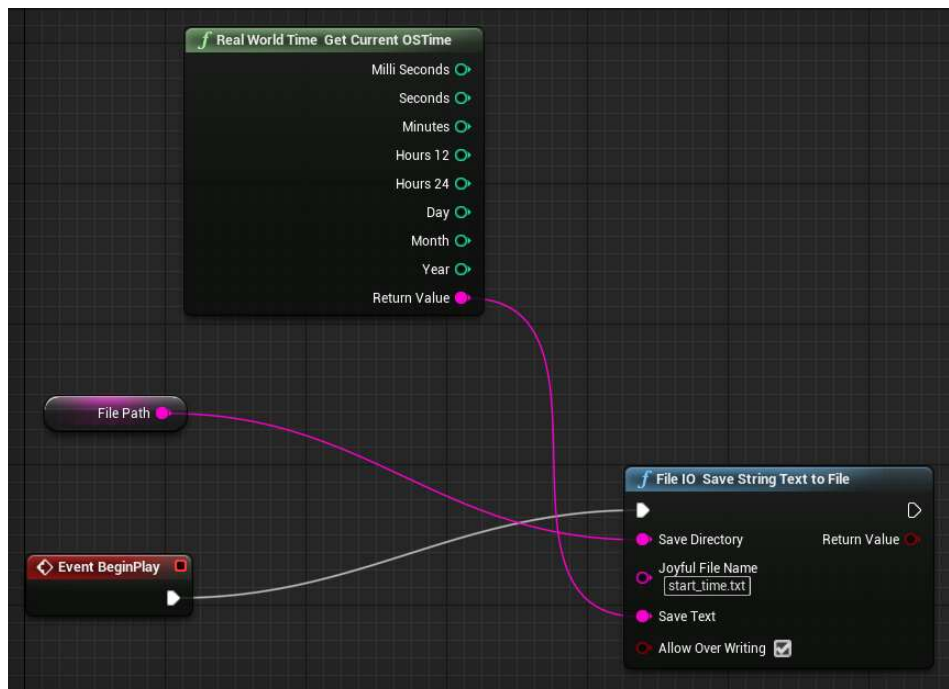


Figure 6–2: Sample blueprint to save the start time as a .txt file.

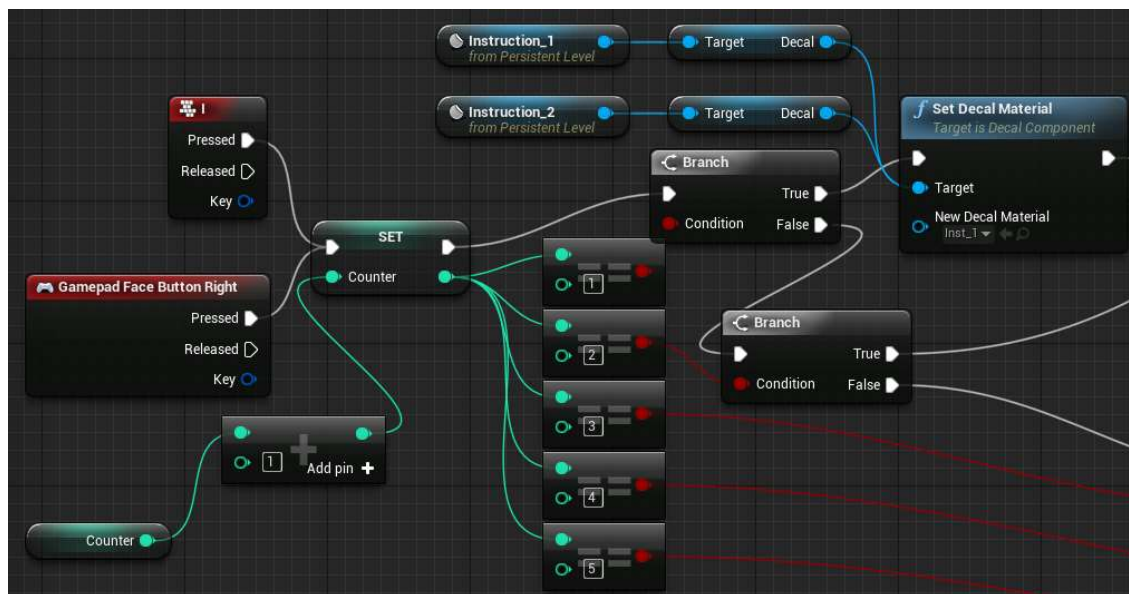


Figure 6–3: Sample blueprint to change the texture of an asset (in this case, instructions on a wall) using an input action from the game controller's "Face Button Right" (red button in Fig. 6–5).

provided by UE4 or by copying and pasting the plug-in context within the project's "Plugins" folder. The same procedure can be applied for other plug-ins such as Rama's

Victory Plugin [115] which contains useful C++ functions translated to Blueprint. The visualization of the VR environment for the case study of the bottle shapes was made through the Oculus Rift Development Kit 2 [116] HMD, which did not require further installation of plug-ins.

9. **Save DCE responses:** The choice made by a subject can be saved as a .txt file via C++ programming or Blueprint thanks to Rama's Victory Plugin [115] as shown in Fig. 6-4. The responses are then concatenated in a single .txt file using a similar procedure (see text-based Blueprint in Appendix C.4).

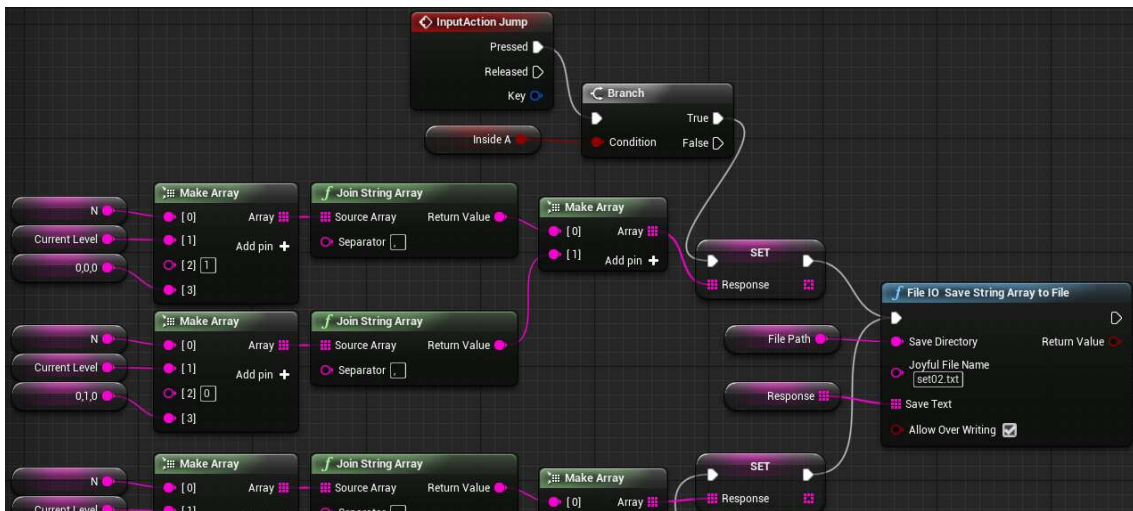


Figure 6-4: Sample blueprint to save a response in a 2-alternative choice set. The action “InputAction Jump” is assigned by default within the UE4 platform to the space bar in the keyboard and the green button in Fig. 6-5.

Prior the immersion, the subjects received instructions about the use of the game controller. Only three buttons (including the START button) and the two joysticks were configured to provide commands for showing instructions, moving around, and rotating/s-election objects (Fig. 6-5). The virtual DCE environment consisted of four stages with additional audio instructions in every scene. At the beginning, subjects were on a flat roof at an elevated height in which they found a board with a welcome message (Fig. 6-6.d). In this stage, subjects were asked to use the game controller (Fig. 6-5.b-d) and move around the scene and walk through a door which would redirect them to the next stage.

The second stage was a training exercise which consisted of two 3D regular shapes on a table that served as a mock-up of the DCE study (Fig. 6–6.e). On the front and back walls, subjects would find more instructions on the use of the controller to rotate and select the object they preferred (Fig. 6–5.e). In the third stage (DCE study) the subjects would find a progress bar and would be asked to rotate each product representation and select the one they find more appealing (Fig. 6–6.f–h). At the end of the DCE study, subjects would be redirected to the first scenario (Fig. 6–6.i).

6.3.2 Study Procedure

Figure 4–4 summarizes the steps to conduct the virtual DCE study, from the informed consent process to the gathering of choice data. The set of 3D bottle shapes presented in Table 6–3 were used in a two-alternative full-profile DCE study (i.e. $N = \binom{8}{2} = 28$) choice sets in all, using the VR environment previously described. The experiment was given approval by the Institutional Review Board of the University of Puerto Rico–Mayagüez Campus and was restricted to people with reported ages over 21 years old and normal vision without spectacles. Handbills, social networks, and emails were used to invite the student community to participate of the study with no compensation offered. Each subject was introduced to the VR facility and was given a description of the experiment and risks. Next, the subjects were asked to carefully read the informed consent form and sign it if agreed to participate.

Prior to beginning the experiment, each subject was given guidelines on how to safely wear the VR headset. The display was then switched on and a demonstration scene was presented to subjects in order to adjust the lenses, making sure they could see the environment clearly. Finally, the virtual DCE environment was initialized, starting with the training section in which the subjects received directions for the experiment and the use of the game controller. The purpose of the training section and the instructions was to

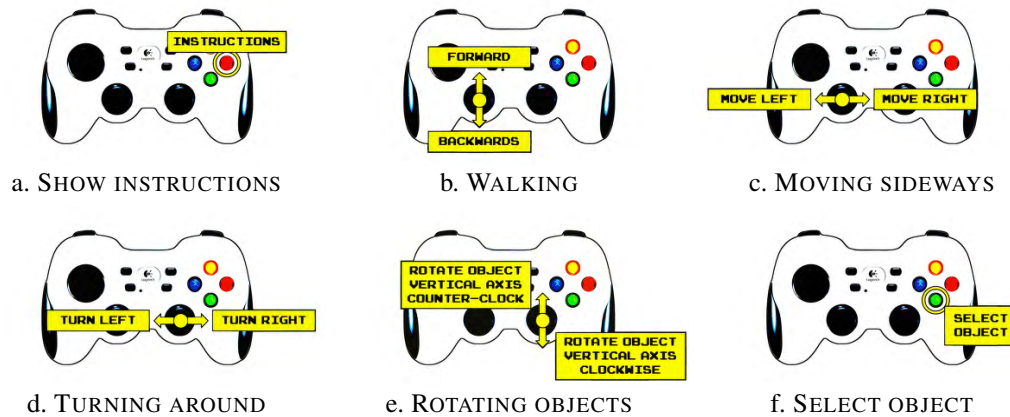


Figure 6-5: Game controller instructions for the virtual DCE study.

prompt users to properly move around within the environment in order to minimize the risk of dizziness (VR sickness).

When the subjects felt comfortable with the HMD and completed the training section, they were asked to press START to begin the DCE survey. Then a random choice set with two different bottles was presented and they were asked to rotate each bottle and pick the one they find more appealing; the latter action resets the subject's position within the environment and introduces a different choice set from the 27 remaining, and so on. Halfway of the experiment, at the end of the 14th choice set, the PAUSED message is shown (Fig. 6-6.g) and the subject has the opportunity to remove the head-mounted display and rest a couple of minutes. Back in the experiment, and after completing the 28 choice sets, a "thank you" message is shown (Fig. 6-6.i).

6.4 Results and Analysis of Choice Data

6.4.1 Experimental Results

In total, 21 women and 21 men agreed to participate. None of the subjects had previously experienced VR, which served as main motivation for their participation in the DCE study. The average durations of the training section and DCE survey for women



Figure 6-6: Virtual DCE study

and men are presented in Table 6-4. Overall, the training section was completed in approximately 3 min, while the DCE survey section took around 8 min. Although most of the population had previously interacted with computer-simulated graphics like those of CAD software and video games, some reported having felt dizzy at different moments of the VR experience. This caused a reduction in the interaction time between subjects and the bottle shapes for the last choice sets in the DCE study, which could have affected their judgments. In general, the participants were gratified with the experience, and stated their intention to be part of future studies.

6.4.2 Mixed Logit via Bayesian Procedures

The choice data was analyzed using random-parameters logistic regression, a.k.a. mixed logit, with hierarchical Bayes (HB) estimation [109]. We have assumed the Gestalt quantifications to be multivariate normally distributed thus making it possible

Table 6–4: Average durations of the virtual DCE experiment. Standard deviation values are given inside parentheses.

Population	Training section	DCE survey	Total
All	2 min 36 s (1 min 6 s)	7 min 46 s (2 min 27 s)	10 min 22 s (3 min 7 s)
Women	2 min 49 s (1 min 7 s)	7 min 26 s (2 min 9 s)	10 min 15 s (2 min 45 s)
Men	2 min 23 s (1 min 3 s)	8 min 10 s (2 min 40 s)	10 min 33 s (3 min 26 s)

to identify correlations and positive or negative effects on subjects’ preferences [30]. The mean part-worth utility estimates, β_k , and corresponding standard deviation, are shown in Table 6–5, along with shares of the population that placed a negative ($\beta_k < 0$) or null ($\beta_k = 0$) value on each principle. In addition, the part-worth utilities for each of the 42 participants are used to construct histograms of their distribution throughout the population (number of bins: $\lceil \sqrt{42} \rceil = 7$) and fit the normal and generalized extreme value (GEV) density functions to the data as shown in Fig. 6–7.

The obtained mean estimates for cylindrical symmetry, parallelism, and curvature-based continuity for all the population were 0.3145, 0.1346, and 0.9655, respectively. In the case of symmetry, 62.15% of its utility over the population is above zero, which implies that this Gestalt principle is a positive inducement of aesthetic preference for bottle shapes. Similarly, about two-thirds (67.50%) of the subjects apparently prefer the continuity principle, whose estimate is approximately three times greater than symmetry and seven times the estimate of parallelism. Regarding the latter, preference is nearly halved, with negative aesthetic utility among 45.60% of the entire population. In general, there is relatively little skewness in the distribution of part-worth utilities of symmetry and parallelism as seen in Fig. 6–7.a–b, which indicates that the assumption of normally distributed estimates was appropriate. On the other hand, Fig. 6–7.c shows that the distribution of estimates for continuity is negatively skewed (left-tailed) meaning that its aesthetic utility will tend to be positive (concentrated in the right).

The application of the HB-based mixed logit on the choice data of women and men reveals differences in the aesthetic utilities of symmetry and parallelism. While the β_k for continuity was the highest in every case (0.6747 for women, 1.2998 for men), symmetry

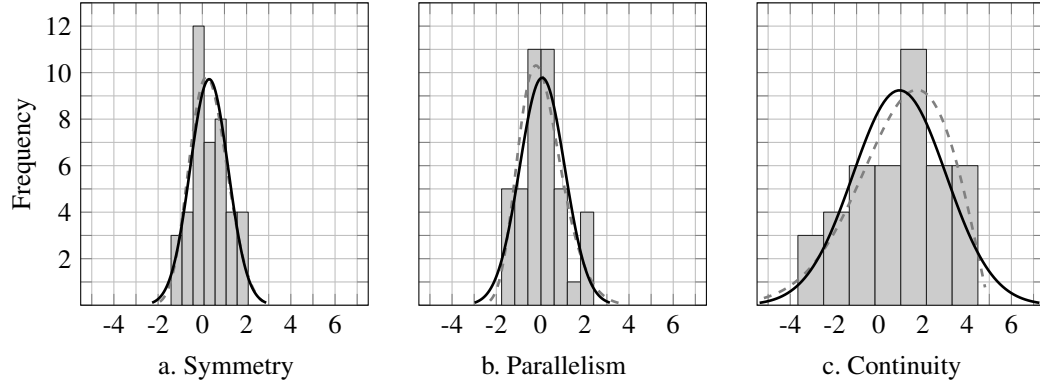


Figure 6–7: Standard normal (—) and GEV (---) distributions of part-worth utilities β_k of 3D Gestalt principles for the aesthetics of a bottle shape.

Table 6–5: Part-worth utilities β_k using mixed logit with HB estimation.

GP	All			Women			Men		
	β_k	SD	$\Pr(\beta_k < 0)$	β_k	SD	$\Pr(\beta_k < 0)$	β_k	SD	$\Pr(\beta_k < 0)$
<i>S</i>	0.3145	1.0637	0.3785	0.4574	1.0993	0.3420	0.1503	1.2981	0.4520
<i>P</i>	0.1346	1.2671	0.4560	−0.1325	1.5454	0.5360	0.3814	1.1482	0.3665
<i>C</i>	0.9655	2.2776	0.3250	0.6747	2.6847	0.3905	1.2998	2.2195	0.2700

Null hypothesis, $H_0: \exists! \beta_k = 0 \in \beta$; $\Pr(\beta|H_0) < 0.0001$ in every case.

Table 6–6: Correlation among β_k estimates with transformation of normals.

GP	All			Women			Men		
	<i>S</i>	<i>P</i>	<i>C</i>	<i>S</i>	<i>P</i>	<i>C</i>	<i>S</i>	<i>P</i>	<i>C</i>
<i>S</i>	1.0000	0.0261	−0.1549	1.0000	−0.0499	0.3130	1.0000	0.1428	−0.5635
<i>P</i>	.	1.0000	0.1586	.	1.0000	0.2399	.	1.0000	−0.0156
<i>C</i>	.	.	1.0000	.	.	1.0000	.	.	1.0000

had a stronger effect on women than in men (0.4574 vs 0.1503), while parallelism was not much appreciated by the former (−0.1325 vs 0.3814). The results of the probability of choice for each bottle using the part-worth utilities obtained and Eq. 2.1 are shown in Fig. 6–3.d. For men and overall, bottle $q = 8$ had the greatest aesthetic utility, while women preferred bottle $q = 6$. Finally, Table 6–6 shows a strong correlation between symmetry and parallelism in men’s preferences (−0.5635) which could have enhanced the relevance of parallelism on their aesthetic judgments.

6.5 Discussion

The application of the Bayesian mixed logit regression to analyze aesthetic subject preference for the 3D case study provide information to assess the initial assumptions

and hypotheses considered. First and foremost, The results confirm the first hypothesis regarding the relevance of the Gestalt principles of symmetry, parallelism, and continuity as predictors of subjects' judgments about the aesthetics of a 3D product form. The probability that the principles of symmetry, parallelism, and continuity have no effect on subjects' judgments is negligible— $\Pr(\beta|H_0) < 0.0001$ —which leads to rejecting the null hypothesis. In the overall, these principles have a positive effect on aesthetic preferences, in particular the continuity principle whose obtained mean part-worth utility estimate, which tends to be positive (Fig. 6-7.c), was three times stronger than the one for symmetry and seven times the one for parallelism (Table 6-5). However, the low part-worth utility estimate of parallelism suggest divided preferences among the population with respect its effect on aesthetics, and thus that the second hypothesis regarding a notable tendency in preference might be dismissed for this principle. A closer look to the effect of parallelism by genre reveals that this principle has a slightly negative effect on women and a positive influence on men, thus explaining the halved behavior on the population. Table 6-6 shows that this opposite behavior of parallelism between women and men is enhanced by the correlation between symmetry and continuity. While these two principles have a dominant effect on women's preferences, men considered asymmetric designs with high continuity more appealing, thus giving a positive value to parallelism in their judgments. In addition, the low correlation between parallelism and continuity on men's preferences hints at no risk in increasing their values in order to reinforce men's appreciation. Designers can apply this procedure to address aesthetic preferences by age and ethnic group, and use the results for optimization of product form.

The part-worth utilities of symmetry, parallelism, and continuity for the aesthetics of a 3D bottle shape differ with those obtained using 2D representations. While the results in Chapter 5 show that parallelism had an counteractive effect on subjects, in this case study it was possible to identify a favorable influence of this principle in part of the population. Also, the negative correlation between symmetry and continuity contrasts with the one

obtained for the 2D case, for which it was found that these two principles complemented each other in a positive impression on the subjects. These differences show that the part-worth utilities of the Gestalt quantifications are specific to the type of representation used and to how much information about the product form is given to subjects. Further experimentation with other types of visualization and actual prototypes can be used to define the limits in which the quantifications are suitable to use.

From the VR experience, some subjects reported dizziness during the immersion. This issue was addressed by extending the duration of the training section and pausing the study several times. Giving rewards for participating in the VR experience could motivate subjects to consider spending additional training time and thus minimizing the chances of having VR sickness. Still, it mainly depends on the subjects since there are people more likely to dizziness than others. Alternatively, designers might also reduce the duration of the experiment by using a fractional-factorial set of product shapes instead of a full-factorial, and test only main effects. Also, developing a VR environment that resembles a consumer-market setting could help subjects identify themselves with the experience and enhance user-friendliness of virtual DCE studies. For instance, a VR environment for a DCE study of fragrance bottles could consist of a luxurious boutique with each bottle on a pedestal, while the VR environment for a DCE study of sedans could feature big glass walls and shiny panels typical of car dealerships or showrooms. Finally, using wireless equipment to give subjects the freedom to stand up and walk around the actual setting might also have a positive impact on the experience.

CHAPTER 7

CONCLUSION AND FUTURE WORKS

7.1 Conclusions

This research demonstrates how to quantify the Gestalt principles of symmetry, parallelism, and continuity in 2D and 3D continuous product representations and how these quantifications can be used to generate new product shapes with different combinations of Gestalt values. This methodology develops in three basic steps: 1) parametrization of the product shape and quantification of the Gestalt principles that best define its form; 2) shape optimization with Gestalt principles as design variables; and 3) use of DCE to determine the effect of each Gestalt principle on aesthetic subject preference in the form of part-worth utility estimates. The results in this study have various implications for designers. First, it restates previous knowledge and teaching that following Gestalt principles produce aesthetically pleasing designs. Second, not all Gestalt principles are equally important. For the designer, this means that finding and focusing in the important Gestalt principles can be a key issue in order to produce an aesthetically appealing product.

By means of full-profile DCE studies, this research was able to map subjects' aesthetic judgments for product designs with different levels of the Gestalt principles of symmetry, parallelism, and continuity. It was determined that these principles had a relevant influence on subjects' preferences for the case study of a bottle shape, thus confirming the first hypothesis of this research regarding the use of the quantified Gestalt principles as predictors of aesthetic preferences. On the other hand, the second hypothesis that Gestalt principles influence positively aesthetic preference was rejected for the case of parallelism. For this principle, negative part-worth utility estimates were obtained in the

2D case and among female participants in the 3D case. For the 2D case, the principle of parallelism was found to have a negative effect on aesthetic preferences that exceeds the positive effects of symmetry and continuity combined. For the 3D case, it was possible to identify opposite preferences between women and men, with the latter inclined to place a positive value on this principle. The application of the methodology to both cases show that the effect of each Gestalt principle is specific of a type of representation. Also, it illustrates the usefulness of DCE in helping designers identify shares of the population that are more attracted to each principle. As an aggregated value, the methodology allows to estimate the probability of choice in terms of the values of utility, making possible to establish ranges of Gestalt values in which the aesthetic preference for a product shape can be optimized.

In addition, the proposed methodology approaches the introduction of aesthetic preference as a function of the Gestalt principles of symmetry, parallelism, and continuity into product development and optimization. With the use of preference elicitation methods like DCE in conjunction with VR technologies, this work shows how designers can use the 3D quantifications of these principles to study product aesthetics in more realistic and interactive settings. Finally, the results of this research provide insight into subjects' appreciation of the product form and directions on future use of VR technologies in aesthetic subject preference studies.

7.2 Future Work

Future work will explore the association between the proposed quantifications and functionality, aesthetics, and semantics for different product representations. Additionally, the Gestalt quantifications can be implemented in CAD and freeform modeling software in the form of application programming interfaces—APIs, and further research in the quantification of other Gestalt principles in 3D like connectedness and closure. The use of the Gestalt quantifications to explore the effect of geometric abstraction of product forms

and depth/vergence cues can also be addressed. For the latter, the implementation of the Gestalt quantifications in freeform modeling will provide versatility in the modification of the form abstractions and the exploration of the effect of different Gestalt values around the product shape. This can be complemented with VR technologies to provide immersive first-person perspective relevant to the study of subjects' perception about the Gestalt principles. Finally, further research can delve into other principles like proximity, connectedness, similarity, and simplicity (Gestalt *law of Prägnanz*) to explore applications in ergonomics (e.g. layout preference, cabin optimization) and training with VR freeform modeling platforms.

APPENDICES

APPENDIX A

APPROVAL FROM THE INSTITUTIONAL REVIEW BOARD

A.1 Case Study I



Comité para la Protección de los Seres Humanos en la Investigación

CPSHI/IRB 00002053

Universidad de Puerto Rico – Recinto Universitario de Mayagüez

Decanato de Asuntos Académicos

Call Box 9000

Mayagüez, PR 00681-9000



April 14, 2015

Dr. José E. Lugo
Professor
Mechanical Engineering
RUM

Dear Dr. Lugo:

As Chair of the Institutional review Board of the Mayaguez Campus of the University of Puerto Rico, I have considered the Review Application for your project titled *Comparison of Gestalt Principles levels in 2D Product Representations (Protocol number 20150404)*. After an evaluation of your protocol, I have determined that your project can be approved as Expedited under Category 7 of 45 CFR 46.110. The project is approved for a period of one year beginning today April 14, 2015 until April 13, 2016.

Any modifications or amendments to the approved protocol or its methodology that changes the criteria for expedited must be reviewed and approved by the IRB before they are implemented. The IRB must be informed immediately if an adverse event or unexpected problem arises related to the risk to human subject. The IRB must likewise be notified immediately if any breach of confidentiality occurs.

Sincerely,

Dr. Rafael A. Boglio Martínez

Chair

CPSHI/IRB

UPR – RUM

A.2 Case Study II



Comité para la Protección de los Seres Humanos en la Investigación

CPSHI/IRB 00002053

Universidad de Puerto Rico – Recinto Universitario de Mayagüez

Decanato de Asuntos Académicos

Call Box 9000

Mayagüez, PR 00681-9000

18 de marzo de 2016

Ambrosio de Jesús Valencia Romero
Ingeniería Mecánica
RUM

Estimado estudiante:

El Comité para la Protección de los Seres Humanos en la Investigación (CPSHI) ha considerado su Solicitud de Revisión y demás documentos sometidos para el estudio titulado *Comparing Quantified Gestalt Principles of Three Dimensional Product Representations using Virtual Reality* (#Protocolo 20150323).

Su proyecto cualifica para un proceso expedito de aprobación bajo la categoría 7 del 45 CFR 46.110. Luego de evaluarlo, el comité determinó que este estudio no supera el nivel mínimo de riesgo y cumple con todos los requisitos de protección de seres humanos según definidos por la reglamentación federal 45 CFR 46. Por tanto, aprobamos su investigación. La aprobación tiene vigencia de un año a partir de hoy; esto es, desde el 18 de marzo de 2016 hasta el 17 de marzo de 2017. Le recordamos que la aprobación emitida por nuestro comité no lo exime de cumplir con cualquier otro requisito institucional o gubernamental relacionado al tema o fuente de financiamiento de su proyecto.

La reglamentación federal exige que nuestro comité supervise toda investigación mientras continúe activa. Se consideran activos aquellos proyectos que aún estén reclutando participantes o haya terminado el reclutamiento pero aún se estén recopilando o analizando datos. Si vislumbra que su proyecto seguirá activo al momento de vencerse la fecha de aprobación, le pedimos que someta una solicitud de extensión a más tardar un mes antes del vencimiento de su vigencia.

Le adjuntamos la hoja de consentimiento, correo de reclutamiento y flyer con el sello de aprobación del Comité. Le agradeceremos utilice estos documentos para los trámites correspondientes de su investigación. Le recordamos que debe entregarle una copia de la hoja de consentimiento informado a todos/as los/as participantes que acepten ser parte de su estudio.

Cualquier cambio al protocolo o a la metodología deberá ser revisado y aprobado por el CPSHI antes de su implantación, excepto en casos en que el cambio sea necesario para eliminar algún riesgo inmediato para los/as participantes. El CPSHI deberá ser notificado de dichos cambios tan pronto le sea posible al/a la investigador/a. El CPSHI deberá ser informado de inmediato de cualquier efecto adverso o problema inesperado que surgiera con relación al riesgo de los seres humanos, de cualquier queja sobre esta investigación y de cualquier violación a la confidencialidad de los participantes.

Cordialmente,

Dr. Rafael A. Boglio Martinez

Presidente

CPSHI/IRB

UPR – RUM

(Experiment email)

Hi,

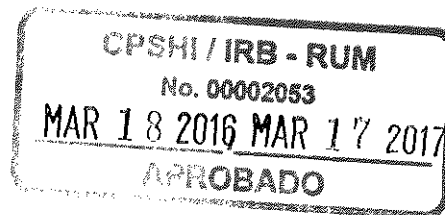
The Human Centered Design Research Laboratory of the University of Puerto Rico–Mayagüez is conducting an experiment using virtual reality (VR) technology and is looking for people interested in participating. The experiment consists in choosing the product forms you find more aesthetically appealing among a set of design. It will take approximately 7 minutes, in addition to a first 2-min training using the VR equipment. To participate you will need the following:

- you must be over 21 years old, and
- you must have normal or corrected-to-normal vision.

If you are interested, please contact me to make an appointment.

Thank you,

Ambrosio Valencia-Romero
ambrosiode.valencia@upr.edu
787-941-4579





Human
Centered
Design

R&D
Lab



Virtual Reality

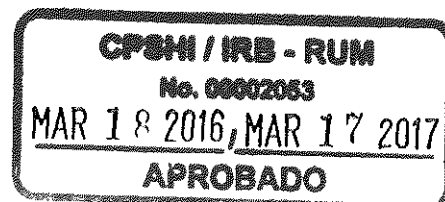
Experience virtual reality (VR) and help the Human Centered Design R&D Lab conduct an experiment using Oculus Rift VR. The experiment will take approximately 7 minutes, plus a 2-min training using the VR equipment. To participate, you will need the following:

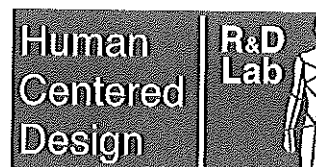
- you must be over 21 years old, and
- you must have normal or corrected-to-normal vision.

If you are interested, please contact me to make an appointment.

Thank you,

Ambrosio Valencia-Romero
ambrosiode.valencia@upr.edu
787-941-4579





Informed consent

Welcome to the Human Centered Design Research Laboratory of the University of Puerto Rico—Mayagüez!

Thank you very much for considering participating in the study titled “Comparing Quantified Gestalt Principles of Three-Dimensional Product Representations using Virtual Reality.” In this experiment you will be presented several product concepts and you will be asked to pick, rate, rank them in terms of what you consider an aesthetically appealing form. It will take approximately 7 minutes, in addition to a first 2-min training using the VR equipment. The researchers will randomly film or take pictures of the participants during the study.

Hereby you certify that you meet the requirements to participate, they are:

- being over 21 years old, and
- having normal or corrected-to-normal vision.

By signing, you also agree that:

- any footage or picture taken during the experiment can be studied and reproduced in all media and all territories in perpetuity at the discretion of the researchers of the Human Centered Design Research Laboratory.

You can request to receive the videos or pictures of the experiment in which you appear by email. Please contact the researchers for more information.

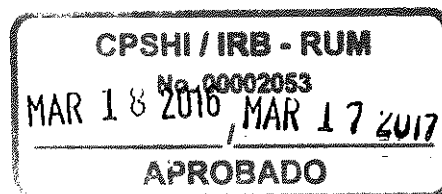
Signature: _____

Your name: _____

Your email: _____

The researchers:

Ambrosio Valencia-Romero ambrosiode.valencia@upr.edu
José E. Lugo jose.lugo2@upr.edu



APPENDIX B

MATLAB CODES

B.1 Quantification and Optimization of Gestalt Principles for 2D Continuous Representations, Case Study I

Listing B.1: Main file for the optimization algorithm to generate bottle silhouettes with different Gestalt values.

```
1 clear all
2 close all
3 format short
4 clc
5 tic
6
7 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
8 %% Input script for GP_03_Bottle(PR,PL,UR,UL,MR,ML,n,N)
9 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
10
11 n = 300;          % Number of points to construct every Bezier curve
12 N = 75;           % Number of points along the Y-axis to compute S and P
13
14 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
15 %% Control points
16
17 PR = [ 1.25    0.0    ;... % Point 1R
18        1.25    2.0    ;... % Point 2R
19        1.25    5.0    ;... % Point 3R
20        0.5     7.25 ];... % Point 4R
21
22 PL = [ -1.25   0.0    ;... % Point 1L
23        -1.25   2.0    ;... % Point 2L
24        -1.25   5.0    ;... % Point 3L
25        -0.5    7.25 ];... % Point 4L
26
```

```

27 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28 %% Slope vectors
29 load('V_S0P1C0_02.mat','V_S0P1C0')
30 VR = V_S0P1C0( 2: 7,:);
31 VL = V_S0P1C0(10:15,:);
32
33 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
34 %% Boundary values
35
36 QminR = [ 0.75    0.0    ;... % ( 1) PR1 (Do not modify Y)
37          1.00    0.5    ;... % ( 2) PR2
38          1.00    3.75   ;... % ( 3) PR3
39          0.5     7.25   ;... % ( 4) PR4 (Do not modify)
40          -1.0    0.0    ;... % ( 5) 1Rb
41          -2.0    0.0    ;... % ( 6) 2Ra
42          -2.0    0.0    ;... % ( 7) 2Rb
43          -2.0    0.0    ;... % ( 8) 3Ra
44          -1.0    0.0    ;... % ( 9) 3Rb
45          -1.0    0.0    ];    % (10) 4Ra (Do not modify Y)
46
47 QminL = [ -1.75   0.0    ;... % ( 1) PL1 (Do not modify Y)
48          -1.75   0.5    ;... % ( 2) PL2
49          -1.75   3.75   ;... % ( 3) PL3
50          -0.5    7.25   ;... % ( 4) PL4 (Do not modify)
51          -2.0    0.0    ;... % ( 5) 1Lb
52          -2.0    0.0    ;... % ( 6) 2La
53          -2.0    0.0    ;... % ( 7) 2Lb
54          -1.5    0.0    ;... % ( 8) 3La
55          -1.0    0.0    ;... % ( 9) 3Lb
56          0.0     0.0    ];    % (10) 4La (Do not modify Y)
57
58 QmaxR = [ 1.75    0.0    ;... % ( 1) PR1 (Do not modify Y)
59          1.75    3.25   ;... % ( 2) PR2
60          1.75    6.75   ;... % ( 3) PR3
61          0.5     7.25   ;... % ( 4) PR4 (Do not modify)
62          2.0     1.0    ;... % ( 5) 1Rb
63          2.0     2.0    ;... % ( 6) 2Ra
64          2.0     1.0    ;... % ( 7) 2Rb
65          1.5     1.0    ;... % ( 8) 3Ra
66          1.0     1.5    ;... % ( 9) 3Rb
67          0.0     1.0    ];    % (10) 4Ra (Do not modify Y)

```



```

68
69 QmaxL = [ -0.75    0.0    ;... % ( 1) PL1 (Do not modify Y)
70           -1.00    3.25  ;... % ( 2) PL2
71           -1.00    6.75  ;... % ( 3) PL3
72           -0.5     7.25  ;... % ( 4) PL4 (Do not modify)
73           1.0     1.0    ;... % ( 5) 1Lb
74           2.0     2.0    ;... % ( 6) 2La
75           2.0     1.0    ;... % ( 7) 2Lb
76           2.0     1.0    ;... % ( 8) 3La
77           1.0     1.5    ;... % ( 9) 3Lb
78           1.0     1.0    ];    % (10) 4La (Do not modify Y)
79
80 Qmin = vertcat(QminR,QminL);
81 Qmax = vertcat(QmaxR,QmaxL);
82 Q     = (Qmax + Qmin)/2;          % Comment if previous Q array available
83
84 Amin = 15.75;
85 Amax = 16.75;
86
87 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
88 %% Optimization problem to generate full factorial designs 2^3
89
90 options = optimset('Algorithm','interior-point',...
91                   'Display','iter');
92 options.MaxFunEvals = 12000;
93 options.MaxIter     = 200;
94 options.TolCon      = 1e-6;
95 options.TolFun      = 1e-5;
96 options.TolX        = 1e-5;
97
98 t0 = cputime;
99
100 %% S P C
101
102 %% Uncomment to load a previous Q array
103 % load('Q_S0P0C0.mat','Q_S0P0C0')
104 % Q = Q_S0P0C0;
105
106 x = 2 ; y = 2 ; z = 2 ; % Modify to force the optimization algorithm
107                        % to reach the desired Gestalt values
108

```

```

109 [Q_SPC,~,f_SPC,output]= fmincon(@(Q)GP_03_Bottle_SxPyCz(Q,n,N,x,y,z),Q,...
110                                [],[],[],[],Qmin,Qmax,...
111                                @(Q)Constraints(Q,n,N,...
112                                0.55,0.60, 0.55,0.60, 0.55,0.60,...
113                                Amin,Amax),options);
114 disp('S0 P0 C0'); toc; disp(' ')
115 t1 = cputime - t0;
116 fprintf('Total CPU time of fmincon for Q_SPC: %f minutes \n', t1/60)
117 [S, P, CR, CL, A] = GP_03_Bottle(Q_SPC,n,N);
118 title('S0 P0 C0')
119 save Q_SPC.mat Q_SPC Q Qmin Qmax f_SPC S P CR CL A t1 x y z output ;
120 saveas(gcf,'S_P_C.fig')
121 t1 = cputime - t0;
122 fprintf('Total time of execution for Q_SPC: %f minutes \n', t1/60)

```

Listing B.2: Script for the merit function, case study I.

```

1 function [ Si_Pi_Ci ] = GP_03_Bottle_SxPyCz(Q,n,N,x,y,z)
2 % GP_03_Bottle_SxPyCz(Q,n,N,x,y,z)
3 %
4 % This function calculates the mean values of Symmetry (S), Parallelism (P)
5 % and Continuity (CR, CL) obtained by function GP_02_Bottle(Q,n,N)
6 % to be optimized.
7 %
8 % x, y, and z indicate the exponents that minimize (+) or maximize (-) the
9 % corresponding function.
10 %
11 % e is an indicates if the area A is in or outside the interval [Amin,Amax]
12
13 [S, P, CR, CL, ~] = GP_03_Bottle(Q,n,N);
14
15 C = mean([CR ; CL]);
16
17 Si_Pi_Ci = (S^x)*(P^y)*(C^z);
18 close all
19
20 end

```

Listing B.3: Constraints of the optimization problem, case study I.

```

1 function [c,ceq] =
    Constraints(Q,n,N,Smin,Smax,Pmin,Pmax,Cmin,Cmax,Amin,Amax)

```

```

2
3 [S, P, CR, CL, A] = GP_03_Bottle(Q,n,N);
4
5 c = [Smin - S; Pmin - P; Cmin - CR; Cmin - CL ; Amin - A ;...
6      S - Smax; P - Pmax; CR - Cmax; CL - Cmax ; A - Amax];
7 ceq = [];
8 close all

```

Listing B.4: Script for the Gestalt quantification for 2D representations.

```

1 function [S, P, CR, CL, A] = GP_03_Bottle(Q,n,N)
2 % GP_03_Bottle(Q,n,N)
3 %
4 % This functions generates values of Symmetry, Parallelism, and Continuity,
5 % [S P C], for a given set of B?zier control points and respective slopes.
6 %
7 % P:    represents the initial control points on the curve
8 %
9 % V:    represents the vector which direction represents the slope of the
10 %       curve at the control points on the curve
11 %
12 % n:    is the number of points to construct every Bezier curve
13 %
14 % N:    is the number of points along the Y-axis to compute S and P
15 %
16 % Several functions are called (please check help for more information):
17 %
18 %       - Bezier_cubic_curve.m
19 %       - Bezier_cubic_1st_deriv.m
20 %       - Bezier_cubic_2nd_deriv.m
21 %       - Bezier_cubic_curvature.m
22 %       - Bezier_control_points
23 %       - Symm_Find_equidistant_Ys.m
24 %       - Symmetry_y_2.m
25 %       - Parallelism_y_2.m
26 %       - Continuity_1
27 %       - Continuity_2
28 %       - Centroid_Polyarea
29
30 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
31 %% Organizing Q into PR,VR and PL,VL
32

```

```

33 m = (size(Q,1)/2+2)/3;
34 PR = Q( 1: m ,:);
35 VR = Q( m+1:3*m-2,:);
36 PL = Q(3*m-1:4*m-2,:);
37 VL = Q(4*m-1:end ,:);
38
39 [~,HR] = Bezier_control_points(PR,VR);
40 [~,HL] = Bezier_control_points(PL,VL);
41
42 % VR = V( 1: 8,:);
43 % VL = V( 9:16,:);
44
45 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
46 %% GETTING B?ZIER CURVES AND THEIR FIRST AND SECOND DERIVATIVES
47
48 %% Right side
49
50 m = size(PR,1);
51 R_ = zeros(n+1,2,m-1);
52 r_ = zeros(n+1,m-1);
53 rr = zeros(n+1,m-1);
54 kr = zeros( 1,m-1);
55 for i = 1:m-1
56     R_(:, :, i) = Bezier_cubic_curve(PR(i:i+1,:),HR(2*i-1:2*i,:),n);
57     r_(:, i) = Bezier_cubic_1st_deriv(PR(i:i+1,:),HR(2*i-1:2*i,:),n);
58     rr(:, i) = Bezier_cubic_2nd_deriv(PR(i:i+1,:),HR(2*i-1:2*i,:),n);
59 end
60
61 R = permute(R_,[1 3 2]);
62 R = reshape(R,[],size(R_,2),1);
63 r = r_(:);
64
65 %% Left side
66
67 m = size(PL,1);
68 L_ = zeros(n+1,2,m-1);
69 l_ = zeros(n+1,m-1);
70 ll = zeros(n+1,m-1);
71 kl = zeros( 1,m-1);
72 for i = 1:m-1
73     L_(:, :, i) = Bezier_cubic_curve(PL(i:i+1,:),HL(2*i-1:2*i,:),n);

```

```

74     l_(:,i) = Bezier_cubic_1st_deriv(PL(i:i+1,:),HL(2*i-1:2*i,:),n);
75     ll(:,i) = Bezier_cubic_2nd_deriv(PL(i:i+1,:),HL(2*i-1:2*i,:),n);
76     [~,kl(i)] = Bezier_cubic_curvature(PL(i:i+1,:),HL(2*i-1:2*i,:),n);
77 end
78
79 L = permute(L_,[1 3 2]);
80 L = reshape(L,[],size(L_,2),1);
81 l = l_(:);
82
83 %% Area and centroid
84
85 XY = [R;flipud(L)];
86 [C_x,C_y,A] = Centroid_Polyarea(XY);
87
88 % fill(XY(:,1),XY(:,2),'c')
89 plot(C_x,C_y,'+b','MarkerSize',6,'LineWidth',2)
90
91 %% Plot of control points and centroid
92
93 plot(PR(:,1),PR(:,2),'ob','MarkerSize',5,...
94      'MarkerFaceColor','k')
95 plot(PL(:,1),PL(:,2),'ob','MarkerSize',5,...
96      'MarkerFaceColor','k')
97
98 line([PL(1,1) PR(1,1)] , [PL(1,2) PR(1,2)], 'color','k','LineWidth',4)
99 line([PL(end,1) PL(end,1)], [PL(end,2) 8.25], 'color','k','LineWidth',4)
100 line([PL(end,1) PR(end,1)], [8.25 8.25], 'color','k','LineWidth',4)
101 line([PR(end,1) PR(end,1)], [PR(end,2) 8.25], 'color','k','LineWidth',4)
102
103 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
104
105 %% GESTALT PRINCIPLES
106
107 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
108 %% SYMMETRY
109
110 [XR, ~, r_p, ~, ~] = Find_equidistant_Ys(R,r,N);
111 [XL, ~, l_p, ~, ~] = Find_equidistant_Ys(L,l,N);
112
113 S = Symmetry_y_2(XR,XL,C_x);
114

```

```

115 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
116 %% PARALLELISM
117
118 P = Parallelism_y_2(r_p,l_p);
119
120 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
121 %% CONTINUITY
122
123 % Right
124
125 cr = zeros(m-1,2);
126 cl = zeros(m-1,2);
127
128 r2 = zeros(m-1,1);
129 l2 = zeros(m-1,1);
130
131 for i = 1:m-1
132
133 cr(i,1) = r_( 2,i);
134 cr(i,2) = r_(end-1,i);
135
136 cl(i,1) = l_( 2,i);
137 cl(i,2) = l_(end-1,i);
138
139 r2(i) = Continuity_2(r_( :,i),rr(:,i));
140 l2(i) = Continuity_2(l_( :,i),ll(:,i));
141
142 end
143
144 Cr = zeros(m,1);
145 Cr(1) = Continuity_1([ 0 ; cr(1,1)]);
146 Cr(m) = Continuity_1([ cr(3,2) ; pi/2]);
147
148 Cl = zeros(m,1);
149 Cl(1) = Continuity_1([ pi ; cl(1,1)]);
150 Cl(m) = Continuity_1([ cl(3,2) ; pi/2]);
151
152 for i = 2:m-1
153 Cr(i) = Continuity_1([ cr(i-1,2) ; cr(i,1)]);
154 Cl(i) = Continuity_1([ cl(i-1,2) ; cl(i,1)]);
155 end

```

```

156
157 % CR = mean(Cr);
158 % CL = mean(Cl);
159
160 % CR = mean([Cr;kr']);
161 % CL = mean([Cl;kl']);
162
163 CR = mean([Cr;r2]);
164 CL = mean([Cl;l2]);
165
166 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
167 %% Figure information:
168
169 patch([2.4 2.4 6.0 6.0],[7.5 9.0 9.0 7.5],'w')
170 axis([-4 6 -1 9])
171 text(2.6,8.1,sprintf('Symmetry\nParallelism\nContinuity, Right\nContinuity,
    Left\n'))
172 text(4.6,8.1,sprintf(' = %f\n = %f\n = %f\n = %f\n',S,P,CR,CL))
173
174 end

```

Listing B.5: Calculation of Bézier control points.

```

1 function [C,H] = Bezier_control_points(P,V)
2
3 n = size(P,1);
4 C = zeros(3*n-2,2);
5 H = zeros(2*n-2,2);
6
7 for i = 1:n-1
8
9     C(3*i-2,:) = P( i ,:);
10    C(3*i-1,:) = P( i ,:) + V(2*i-1,:);
11    C(3*i ,:) = P( i+1,:) - V(2*i ,:);
12    C(3*i+1,:) = P( i+1,:);
13
14    H(2*i-1,:) = C(3*i-1,:);
15    H(2*i ,:) = C(3*i ,:);
16
17 end

```

Listing B.6: Cubic Bézier polynomial.

```

1 function B = Bezier_cubic_curve(P,H,n)
2 % Bezier_cubic_curve(P,U,M)
3 %
4 % This functions draws the 1st derivative of a Composite Cubic Bezier Curve
5 %
6 % P represents the anchor points.
7 %
8 % H represents the handle points.
9 %
10 % No functions are called
11
12 j = 1;
13
14 B = zeros(n+1,2);
15
16 for t = 0:1/n:1
17
18 B(j,:) = ((1-t)^3)*P(1,:) + (3*t*(1-t)^2)*H(1,:)...
19           + (3*t^2*(1-t))*H(2,:) + (t^3)*P(2,:);
20
21 j = 1 + j;
22
23 end
24
25 plot(B(:,1),B(:,2), 'color',rand(1,3),'LineWidth',4)
26 % hold on
27 % plot(H(1,:),H(2,:), 'or', 'MarkerSize',5,...
28 %                               'MarkerFaceColor','r')
29 hold all
30 axis equal
31 grid on

```

Listing B.7: First derivative of cubic Bézier polynomial.

```

1 function T = Bezier_cubic_1st_deriv(P,H,n)
2 % Bezier_cubic_curve(P,U,M)
3 %
4 % This functions draws the 1st derivative of a Composite Cubic Bezier Curve
5 %
6 % P represents the anchor points.
7 %

```



```

8 % H represents the handle points.
9 %
10 % No functions are called
11
12 j = 1;
13
14 dB = zeros(n,2);
15 T = zeros(n,1);
16
17 for t = 0:1/n:1
18
19 dB(j,:) = (-3*(1-t)^2)*(P(1,:)-H(1,:))...
20           + (6*t*(1-t))*(-H(1,:)+H(2,:))...
21           + (3*t^2)*(P(2,:)-H(2,:));
22
23 T(j,:) = atan2(dB(j,2),dB(j,1));
24
25 j = 1 + j;
26
27 end

```

Listing B.8: Second derivative of cubic Bézier polynomial.

```

1 function L = Bezier_cubic_2nd_deriv(P,H,n)
2 % Bezier_cubic_curve(P,U,M)
3 %
4 % This functions draws the 1st derivative of a Composite Cubic Bezier Curve
5 %
6 % P represents the anchor points.
7 %
8 % H represents the handle points.
9 %
10 % No functions are called
11
12 j = 1;
13
14 d2B = zeros(n+1,2);
15 L = zeros(n+1,1);
16
17 for t = 0:1/n:1
18
19 d2B(j,:) = (6*(1-t))*P(1,:)...

```

```

20         + 6*t*(3*H(1,:)-3*H(2,:)+P(2,:))...
21         - 6*(2*H(1,:)-H(2,:));
22
23 L(j,:) = atan2(d2B(j,2),d2B(j,1));
24
25 j = 1 + j;
26
27 end

```

Listing B.9: Calculation of centroid and area of a non-self-intersecting irregular polygon.

```

1 function [C_x,C_y,A] = Centroid_Polyarea(P)
2 % Centroid_Polyarea(P)
3 %
4 % This function gives the centroid [C_x C_y] of a non-self-intersecting
5 % closed polygon defined by n vertices [x(n),y(n)] and area A
6 %
7 % P is an nx2 matrix of vertices x(n) = P(n,1) and y(n) = P(n,2)
8 %
9 % [C_x C_y A] = Centroid_Polyarea(P)
10
11 x = P(:,1);
12 y = P(:,2);
13 A_i = zeros(size(P,1),1);
14 C_xi = zeros(size(P,1),1);
15 C_yi = zeros(size(P,1),1);
16 for i = 1:1:size(P,1)-1
17     A_i(i) = x(i)*y(i+1)-y(i)*x(i+1);
18     C_xi(i) = (x(i)+x(i+1))*A_i(i);
19     C_yi(i) = (y(i)+y(i+1))*A_i(i);
20 end
21 A = abs(sum(A_i)/2);
22 C_x = sum(C_xi)/(6*A);
23 C_y = sum(C_yi)/(6*A);

```

Listing B.10: Interpolation of vertical and horizontal coordinates.

```

1 function [X, Y, T, idx, e] = Find_equidistant_Ys(P,t,N)
2 % Find_equidistant_Ys(P,t,N)
3 %
4 % This function evaluates a set P of X-Y data and extracts the most
5 % equidistant Y-coordinates with respective index position. The output is a

```

```

6 % X-Y corresponding to the indexes obtained, which are also delivered.
7 %
8 % The interval of equidistance depends on the desired N number of points to
9 % be extracted. Is recommended that N is no more than a quarter of the
10 % number of points of set P.
11 %
12 % P:    Set of X-Y points to be evaluated
13 % N:    Desired number of points to be extracted from set P
14 %
15 % Use this function on two sets of X-Y data with same Y-range to test
16 % Symmetry with respect to the Y-axis by function Symmetry_y_2.m, and
17 % Parallelism with respect to the Y-axis by function Parallelism_y_2.m.
18 %
19 % This function can be reformulated by considering the two sets of X-Y data
20 % to evaluate Symmetry and Parallelism respect to the Y-axis.
21 %
22 % REMARK: THE INPUT Y-DATA MUST BE CONTINUOUS!
23
24
25 x = P(:,1);          % Input X-coordinates of set 'P'
26 y = P(:,2);          % Input Y-coordinates of set 'P'
27
28 d = (max(y)-min(y))/(N-1); % Interval of equidistance
29 X = zeros(N,1);        % Stores 'X'   (X's)
30 Y = zeros(N,1);        % Stores 'Y'   (Y's)
31 T = zeros(N,1);        % Stores 't'   (tangent angles)
32 idx = zeros(N,1);      % Stores 'idx' (indexes)
33 e = zeros(N,1);        % Stores 'e'   (error or tolerance)
34
35 for n = 0:1:N-1        % From 'n' varying from 0 to N-1
36     s = abs(y-n*d);    % Find the absolute distance s between each
37                         % Y-point and 'n' times the interval 'd'
38 [e(n+1) idx(n+1)] = min(s); % Finds the error or tolerance 'e = min(s)'
39                         % and the corresponding index 'idx' of it
40     Y(n+1) = y(idx(n+1)); % Extracts the y-value in the idx position
41                         % and stores it in the position n+1 of 'Y'
42     X(n+1) = x(idx(n+1)); % Extracts the x-value in the idx position
43                         % and stores it in the position n+1 of 'X'
44     T(n+1) = t(idx(n+1)); % Extracts the t-value in the idx position
45                         % and stores it in the position n+1 of 'T'
46 end

```

```

47 |
48 | % plot(X,Y,'color',rand(1,3))      % Plots the extracted X-Y data that
    | matches
49 | %                                  % with the input data.
50 | % axis equal
51 | % grid on
52 | % hold on

```

Listing B.11: Quantification of the Gestalt principle of symmetry for 2D representations.

```

1  function Symmetry = Symmetry_y_2(XR,XL,C_x)
2  % Symmetry_y_2(XR,XL,C_x)
3  %
4  % This function evaluates Symmetry between two X-coordinates XR and XL with
5  % respect to the Y-axis at x = C_x. Coordinates XR and XL are obtained by
6  % using function Find_equidistant_Ys.m.
7  %
8  % XR:   Set 1 (or X-coordinates to the right)
9  % XL:   Set 1 (or X-coordinates to the left)
10 % C_x:  Coordinate X of vertical axis. It could be the centroid obtained
11 %       with function Centroid_Polyarea.m
12 %
13 % REMARK: THE Y-DATA ASSOCIATED TO XR AND XL MUST BE CONTINUOUS!
14
15 n = size(XR,1);           % Number of elements of vector XR (or XL)
16
17 S = zeros(n,1);          % Stores 'S' (values of Symmetry)
18
19 XRc = abs(XR - C_x*ones(n,1)); % Finds the distance between XR and C_x
20 XLc = abs(XL - C_x*ones(n,1)); % Finds the distance between XL and C_x
21
22 for i = 1:1:n
23     S(i,:) = exp(-2*abs((XRc(i) - XLc(i))/(XRc(i) + XLc(i))));
24             % Calculates Symmetry as the exponential of
25             % the ratio between the difference of the
26             % distances and its mean
27 end
28
29 Symmetry = mean(S);

```

Listing B.12: Quantification of the Gestalt principle of parallelism for 2D representations.

```

1 function Parallelism = Parallelism_y_2(r,l)
2 % Parallelism_y_2(r,l)
3 %
4 % This function evaluates Parallelism between two X-Y-data, with same Y-
5 % coordinates, with respect to the Y-axis by comparing their tangent angles
6 % in standard position (drawn counterclockwise from the +X axis). Angles r
7 % and l can be obtained with function Bezier_cubic_1st_deriv.m, and
8 % extracting the ones with equidistant Y-coordinates by using function
9 % Find_equidistant_Ys.m.
10 %
11 % r:    Set 1 (or tangent angles to the right)
12 % l:    Set 1 (or tangent angles to the left)
13 %
14 % REMARK: THE Y-DATA ASSOCIATED TO XR AND XL MUST BE CONTINUOUS!
15
16 phi = r-l;
17 P = abs(cos(phi));
18 Parallelism = mean(P);

```

Listing B.13: Quantification of the Gestalt principle of continuity between two elements of a 2D representation.

```

1 function Continuity = Continuity_1(T)
2
3 n = size(T,1);
4
5 Continuity = zeros(n-1,1);
6
7 for i = 1:n-1
8     Continuity(i,:) = abs(1 - abs(T(i,:) - T(i+1,:))/pi);
9 end

```

Listing B.14: Quantification of the Gestalt principle of continuity within an element of a 2D representation.

```

1 function Continuity = Continuity_2(a,b)
2
3 n = size(a,1);
4
5 C = zeros(n-2,1);
6

```

```

7  for i = 1:1:n-2
8      C(i,:) = (1+cos(a(i+1)-b(i+1)))/2;
9  end
10
11 Continuity = mean(C);

```

B.2 Quantification of Gestalt Principles of 3D Surface Triangulation, Visual Assessment

Listing B.15: Main file for the quantification of the Gestalt principles of symmetry, parallelism, and continuity of 3D surface triangulation.

```

1  % STL_Trial_01.m
2
3  clc
4  close all
5  warning('off')
6
7  %% Colors
8  fc = [0.75,0.75,0.75];
9  ec = [0.50,0.50,0.50];
10
11 %% Read surfaces ('stlread' function available on MATLAB Central)
12 [Tri_a,Vrtx_a] = stlread('Surf_S_1a.stl');
13 [Tri_b,Vrtx_b] = stlread('Surf_S_1b.stl');
14
15 %% Estimation of normal vectors using weighted average
16 Nrml_a = Normal_TriAvg(Tri_a,Vrtx_a(:,1),Vrtx_a(:,2),Vrtx_a(:,3),0);
17 Nrml_b = Normal_TriAvg(Tri_b,Vrtx_b(:,1),Vrtx_b(:,2),Vrtx_b(:,3),0);
18
19 %% Plot of surface triangulation
20 trisurf(Tri_a,Vrtx_a(:,1),Vrtx_a(:,2),Vrtx_a(:,3),...
21         'facecolor',fc,'edgecolor',ec,'linestyle',':')
22 hold on
23 trisurf(Tri_b,Vrtx_b(:,1),Vrtx_b(:,2),Vrtx_b(:,3),...
24         'facecolor',fc,'edgecolor',ec,'linestyle',':')
25 axis equal
26
27 %% Interpolation
28 [X,Z] = meshgrid(-2:0.04:2,-2:0.04:2);

```

```

29 Tri = delaunay(X,Z);
30
31 F_a = scatteredInterpolant(Vrtx_a(:,1),Vrtx_a(:,3),Vrtx_a(:,2),'natural');
32 R_a = F_a(X,Z);
33
34 N_a = real(Normal_TriAvg(Tri,X,R_a,Z,0));
35
36 F_b = scatteredInterpolant(Vrtx_b(:,1),Vrtx_b(:,3),Vrtx_b(:,2),'natural');
37 R_b = F_b(X,Z);
38
39 N_b = real(Normal_TriAvg(Tri,X,R_b,Z,0));
40
41 %% Quantification of 3D Symmetry and 3D Parallelism
42 [s,S] = Symmetry_3D(R_a,R_b,0);
43 [p,P] = Parallelism_3D(N_a,N_b);
44
45 figure
46 surf(X,R_b,Z,'facecolor',fc,'edgecolor',ec,'linestyle',':'), hold on
47 surf(X,R_a,Z,'facecolor',fc,'edgecolor',ec,'linestyle',':')
48 axis equal
49
50 figure
51 trisurf(Tri,X,R_a,Z,'facecolor',fc,'edgecolor',ec,'linestyle',':')
52 axis equal, hold on
53 trisurf(Tri,X,R_b,Z,'facecolor',fc,'edgecolor',ec,'linestyle',':')
54
55 %% Quantification of 3D Continuity
56 [c_a,C_a,K_a] = C_Gauss_Continuity_3D(Tri,X,R_a,Z,N_a);
57 [c_b,C_b,K_b] = C_Gauss_Continuity_3D(Tri,X,R_b,Z,N_b);
58
59 axis equal

```

Listing B.16: Estimation of normal vectors on each vertex of a surface triangulation.

```

1 function [n,idx] = Normal_TriAvg(Tri,X,Y,Z,g)
2 % Normal_TriAvg(Tri,X,Y,Z,g)
3 %
4 % This function approximates the normal vector at each node within a
5 % triangular mesh by averaging the weighted normal vectors of the
6 % neighboring triangles of each node. The weights are the angles
7 % formed between the node and the vertices of the neighbor triangles.
8 %

```

```

9  % Each row of matrix *Tri* contains the indices of the nodes that form
10 % a triangle of the mesh.
11 %
12 % The number of elements of matrices *X*, *Y*, and *Z* must coincide with
13 % the maximum index within matrix *Tri*.
14 %
15 % Each row of matrix *g* contains the unit vectors parallel to the gradient
16 % vectors at each node, previously determined by other techniques, to
17 % estimate the error in the normal estimation.
18
19 k = max(max(Tri));          % Number of nodes
20 n = zeros(k,3);            % Slot for matrix of normal vectors
21 en = zeros(k,1);           % Slot for error (given the real gradient)
22 idx = zeros(6,2,k);
23
24
25 for j = 1:k                  % Node counter
26
27     %% Neighboring triangles of current node
28
29     [r,c] = find(Tri==j);    % Finds the triangles (rows) and relative
30                               % position (column) in which the current
31                               % node is present
32
33     n_ = zeros(size(r,1),3); % Slot for matrix of normal vectors of
34                               % neighboring triangles of current node
35
36     an = zeros(size(c,1),1); % Slot for matrix of angles that forms each
37                               % neighboring triangle at the current node
38
39     wi = n_;                 % Slot for weighted normal vectors of
40                               % neighboring triangles of current node
41
42     %% Normal vector of each neighboring triangle
43
44     for i = 1:size(c,1)      % Triangle counter
45
46         if c(i) == 1          % The triangle vertices are
47             j1 = Tri(r(i),2); j2 = Tri(r(i),3); % reorganized so the current
48         elseif c(i) == 2      % node's coordinates will be
49             j1 = Tri(r(i),3); j2 = Tri(r(i),1); % stored in k0, while its

```



```

50     elseif c(i) == 3                                % neighbors' will be stored in
51         j1 = Tri(r(i),1); j2 = Tri(r(i),2); % k1 and k2 according to the
52         end                                           % right-hand rule 123-231-312
53
54         idx(i,:,j) = [j1 j2];
55
56
57         k0 = [X(j) Y(j) Z(j) ];                    % Vertex 0 (current node)
58         k1 = [X(j1) Y(j1) Z(j1)];                  % Vertex 1
59         k2 = [X(j2) Y(j2) Z(j2)];                  % Vertex 2
60
61         v1 = k1 - k0;                                % Vector from current node to vertex 1
62         v2 = k2 - k0;                                % Vector from current node to vertex 2
63
64         n_(i,:) = cross(v1,v2); % Normal vector to current triangle
65
66     %% Normal estimation at current node by weighted averaging
67
68         an(i) = asin(norm(n_(i,:))/(norm(v1)*norm(v2))); % Angle <k1k0k2
69
70         wi(i,:) = an(i).*n_(i,:);                    % Weighted normals
71
72     end
73
74     N = sum(wi)/sum(an);                                % Normal averaging
75     if size(r,1) == 1
76         N = wi/an;
77     end
78
79     n(j,:) = N/norm(N);                                % Unit vector parallel to normal
80
81 end
82
83 %% Error estimation
84 % If matrix of unit vectors 'g' parallel to the gradient vectors at node k
85 % is given, and has same size as 'n', the error is computed as the angle
86 % in degrees between the estimated normals and the corresponding gradients
87
88 if isscalar(g) == 0 && size(g,1) == size(n,1)
89 for j = 1:k

```

```

90 en(j,:) = (180/pi)*acos(abs(dot(n(j,:),g(j,:)) /
    (norm(n(j,:))*norm(g(j,:))) ));
91 end
92 end
93
94 error = [mean(en) std(en)];

```

Listing B.17: Quantification of the Gestalt principle of symmetry for 3D representations.

```

1 function [s,S] = Symmetry_3D(r1,r2,Ck)
2
3 [m1,n1] = size(r1);
4 [m2,n2] = size(r2);
5
6 R1 = abs( r1 - Ck*ones(m1,n1));
7 R2 = abs(-r2 + Ck*ones(m1,n1));
8
9 if m1 == m2 && n1 == n2
10
11 s = zeros(m1,n1);
12
13 for i = 1:m1
14 for j = 1:n1
15
16     s(i,j) = exp( -2*abs(R1(i,j) - R2(i,j)) / abs(R1(i,j) + R2(i,j)) );
17
18 end
19 end
20
21 S = mean2(s);
22
23 else
24     disp('ERROR: matrices r1 and r2 must have the same size')
25 end

```

Listing B.18: Quantification of the Gestalt principle of parallelism for 3D representations.

```

1 function [p,P] = Parallelism_3D(n1,n2)
2
3 m1 = size(n1,1);
4 m2 = size(n2,1);
5

```

```

6  if m1 == m2
7
8      p = dot(n1,n2).^2;
9      p = permute(p,[3,2,1]);
10
11     P = mean2(p);
12
13 else
14     disp('ERROR: matrices n1 and n2 must have the same number of rows')
15 end

```

Listing B.19: Quantification of the Gestalt principle of continuity for 3D representations.

```

1  function [c,C,K] = C_Gauss_Continuity_3D(Tri,X,Y,Z,n)
2  % C_Gauss_Continuity_3D(Tri,X,Y,Z,n)
3  %
4  % This function estimates the Gaussian curvature at each point of a trimesh
5  % of arbitrary topology from approximates of the normal vectors at the
6  % given point and the neighboring nodes. The procedure used is described by
7  % by Harlen Costa Batagelo and Shin Ting Wu in ''Estimating Curvatures and
8  % their Derivatives on Meshes of Arbitrary Topology from Sampling
9  % Directions'' (2007).
10 %
11 % Each row of matrix *Tri* contains the indices of the nodes that form
12 % a triangle of the mesh.
13 %
14 % The number of elements of matrices *X*, *Y*, and *Z* must coincide with
15 % the maximum index within matrix *Tri* and the number of rows of *n*.
16 %
17 % Each row of matrix *g* contains the unit vectors parallel to the gradient
18 % vectors at each node, previously determined by other techniques, to
19 % estimate the error in the normal estimation.
20
21 k = size(n,1);           % Number of nodes
22 K = zeros(k,1);         % Slot for Gaussian Curvature
23
24 for j = 1:k              % Node counter
25
26     [r,~] = find(Tri==j); % Finds the triangles (rows) in which the
27                           % current node is present
28
29 %% Local frame of reference at current node

```

```

30
31     U1 = rand;                                % First component vector U
32     U2 = rand;                                % Second component vector U
33     U3 = (-U1*n(j,1) - U2*n(j,2)) / n(j,3); % Third component vector U
34                                           % (this operation makes U
35                                           % perpendicular to normal n)
36
37     U = [U1,U2,U3];                          % Vector U perpendicular to n
38     u = U/norm(U);                          % Unit vector parallel to U
39
40     V = cross(n(j,:),u);                    % Vector V perpendicular to both n and u
41     v = V/norm(V);                          % Unit vector parallel to V
42
43 %% Computation of Gaussian curvature at current node
44
45     i = unique(Tri(r,:));                    % Indices of the neighboring triangles
46     i = i(i~=j); i = i(:);                  % Indices of the neighboring nodes (column)
47     t = size(i);                            % Size of indices vector
48
49     qip = [ X(i)-X(j) Y(i)-Y(j) Z(i)-Z(j) ]; % Relative neighboring nodes
50     nip = n(i,:)-ones(t)*n(j,:);            % Relative neighboring normal
51
52     A = [ qip*u'    qip*v'    zeros(t) ;    % Finite-difference approach
53           zeros(t)  qip*u'    qip*v' ];      % to compute the components
54     b = [ nip*u' ;                               % of the curvature tensor by
55           nip*v' ];                             % Batagelo and Wu (2007)
56
57 if isnan(det(A'*A)) == 0 || isnan(norm(b)) == 0
58
59     II = pinv(A)*b;                            % Second fundamental tensor
60                                           % a.k.a. curvature tensor
61     W = [ -II(1) -II(2) ;                      % Weingarten matrix
62           -II(2) -II(3) ];
63
64     PC = eig(real(W));                        % Principal curvatures
65     K(j,:) = PC(1)*PC(2);                    % Gaussian curvature
66 else
67     K(j,:) = Inf;
68 end
69
70 end

```

```

71
72 c = exp(-abs(K));
73 C = mean2(c);

```

B.3 Quantification and Optimization of Gestalt Principles for 3D Continuous Representations, Case Study II

Listing B.20: Main file for the optimization algorithm to generate 3D bottle shapes with different Gestalt values.

```

1  % BottleOptimMain.m
2
3  clear
4  clc
5
6  h = 7.15;
7  tap = 1.1;
8
9
10 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
11 %% Optimizing Gestalt Principles
12
13 options = optimset('Algorithm','sqp','Display','iter-detailed',...
14                  'AlwaysHonorConstraints','bounds','UseParallel',true);
15 options.MaxFunEvals = 2e+5;
16 options.MaxIter      = 970;
17 options.TolCon       = 4e-4;
18 options.TolFun       = 1e-7;
19 options.TolX         = 5e-5;
20
21 Rmin = [0.980*ones( 1,14) ; 0.884*ones( 1,14) ;
22         0.836*ones( 1,14) ; 0.812*ones( 7,14) ;
23         0.810*ones( 1,14) ; 0.800*ones( 1,14) ;
24         0.750*ones( 1,14) ; 0.500*ones( 1,14)];
25 Rmax = [1.750*ones(13,14) ; 0.500*ones( 1,14)];
26
27 m = size(Rmin,1);
28 n = size(Rmin,2);
29 [Theta,Zeta] = meshgrid(pi*(0:2/n:2-2/n),0:h/(m-1):h);
30

```

```

31 % Ro = (Rmin + Rmax)/2;
32
33
34 %% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
35
36 load('R_s79_p87_c42.mat','R')
37 Ro = R; clear R
38
39 tic
40 to = cputime;
41 [R,~,f,out] = fmincon(@(R)BottleGestaltOptim(R,h, 0, 0, 1),...
42                     Ro,[],[],[],[],Rmin,Rmax,...
43                     @(R)BottleConstraints(R,h,...
44                     0.780,0.794, 0.870,0.890, 0.220,0.240, 27,32),...
45                     options);
46 t = cputime - to;
47 toc;
48
49 [X,Y,Z] = pol2cart(Theta,R,Zeta);
50
51 disp('Sx Px Cx')
52 fprintf('\n')
53 fprintf('Total CPU time of fmincon for R: %f minutes\n\n', t)
54 [S,P,C,Cross,Rails,V,std_s,std_p,std_c] = BottleGestalt3D(R,h);
55 save R_s_p_c.mat Cross Rails R X Y Z S P C std_s std_p std_c V Ro f t out;
56
57
58 %% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
59
60 Plot3DBottle(R,Cross,Rails,h,tap,75,[])

```

Listing B.21: Script for the merit function, case study II.

```

1 function Gestalt = BottleGestaltOptim(R,h,alpha,beta,gamma)
2
3 [S,P,C,~,~,~,~,~,~] = BottleGestalt3D(R,h);
4
5 Gestalt = (S^alpha)*(P^beta)*(C^gamma);

```

Listing B.22: Constraints of the optimization problem, case study II.

```

1 function [c,ceq] =
    BottleConstraints(R,h,Smin,Smax,Pmin,Pmax,Cmin,Cmax,Vmin,Vmax)
2
3 [S,P,C,~,~,V,std_s,std_p,std_c] = BottleGestalt3D(R,h);
4
5 c = [Smin - S ; Pmin - P ; Cmin - C ; Vmin - V ;...
6      S - Smax ; P - Pmax ; C - Cmax ; V - Vmax ;
7      std_s - 0.15; std_p - 0.15; std_c - 0.20 ];
8 ceq = [];

```

Listing B.23: Script for the Gestalt quantification for 3D representations.

```

1 function [S,P,C,Cross,Rails,V,std_s,std_p,std_c] = BottleGestalt3D(R,h)
2
3 m = size(R,1);
4 n = size(R,2);
5
6 theta = pi*(0:2/n:2);
7 zeta = 0:h/(m-1):h;
8
9 [Cross,Rails] = BottleCubicSplines(R,theta,zeta);
10
11 N = BottleNormalVectors(Cross,Rails,theta,zeta);
12
13 [ruu,rvv] = Bottle2ndOrderDeriv(Cross,Rails,theta,zeta);
14
15 [S,std_s,~] = BottleAxisymmetry(R);
16 [P,std_p,~] = BottleParallelism(N);
17 [C,std_c,~] = BottleGaussContin(N,ruu,rvv);
18
19 V = pi*h*mean2(R).^2;

```

Listing B.24: Cubic spline interpolation for the case study II.

```

1 function [Cross,Rails] = BottleCubicSplines(R,theta,zeta)
2 % BottleCubicSplines(R,theta,zeta)
3 %
4 % This function interpolates a cubic splines along each vertical cross
5 % section of a generic bottle shape and along each vertical rail along
6 % these cross sections.
7 %
8 % The interpolation of each cross section has periodic end conditions,

```

```

9  % i.e. the first and second derivatives at the ends are equal, thus the
10 % spline have parametric continuity C1, up to C2, at all its points.
11 %
12 % The interpolation of each rail does not have any end condition.
13 %
14 % 'R' is a mxn matrix of radii values along the the coordinates 'zeta'
15 % (rows) and 'theta' (columns). The values of 'zeta' and 'theta' are
16 % independent.
17 %
18 % 'Cross' and 'Rails' are *struct* arrays with size mx3 and nx3,
19 % respectively, that contain in each column the spline function, their
20 % first derivative, and their second derivative.
21
22
23 m = size(R,1);
24 n = size(R,2);
25
26 for i = 1:m
27
28     r_th = [ cos(theta(1:end-1)).*R(i,:) cos(theta(end))*R(i,1) ;
29             sin(theta(1:end-1)).*R(i,:) sin(theta(end))*R(i,1) ];
30
31     Su = csape(theta,r_th,'periodic');
32     ru = fnder(Su,1);
33     ruu = fnder(Su,2);
34
35     Cross(i,:) = [Su ru ruu];
36
37 end
38
39
40 if m > 1
41
42     for j = 1:n
43
44         r_z = [ cos(theta(j))*R(:,j)'; sin(theta(j))*R(:,j)' ];
45
46         Sv = csapi(zeta,r_z);
47         rv = fnder(Sv,1);
48         rvv = fnder(Sv,2);
49

```



```

50 Rails(j,:) = [Sv rv rvv];
51
52 end
53
54 else
55
56 Rails = [];
57
58 end

```

Listing B.25: Normal vectors at each intersection between splines, case study II.

```

1 function N = BottleNormalVectors(Cross,Rails,theta,zeta)
2
3 m = size(Cross,1);
4 n = size(Rails,1);
5
6 ru = zeros(3,n,m);
7 rv = ones(3,n,m);
8
9 for i = 1:m
10
11 ru(1:2,:,i) = ppval(Cross(i,2),theta(1:end-1));
12
13 end
14
15 for j = 1:n
16
17 rv(1:2,j,:) = ppval(Rails(j,2),zeta);
18
19 end
20
21 N = zeros(3,n,m);
22
23 for i = 1:m
24 for j = 1:n
25
26 N(:,j,i) = cross(ru(:,j,i),rv(:,j,i));
27 N(:,j,i) = N(:,j,i)/norm(N(:,j,i));
28
29 end
30 end

```

Listing B.26: Second derivative of cubic splines, case study II.

```

1 function [ruu,rvv] = Bottle2ndOrderDeriv(Cross,Rails,theta,zeta)
2
3 m = size(Cross,1);
4 n = size(Rails,1);
5
6 ruu = zeros(3,n,m);
7 rvv = zeros(3,n,m);
8
9 for i = 1:m
10
11 ruu(1:2,:,i) = ppval(Cross(i,3),theta(1:end-1));
12
13 end
14
15 for j = 1:n
16
17 rvv(1:2,j,:) = ppval(Rails(j,3),zeta);
18
19 end

```

Listing B.27: Quantification of the Gestalt principle of 3D symmetry (cylindrical).

```

1 function [S,std_s,s] = BottleAxisymmetry(R)
2
3 p = size(R,2)/2;
4
5 R1 = R(:, 1:p );
6 R2 = R(:,p+1:end);
7
8 s = exp( -2*abs(R1 - R2) ./ abs(R1 + R2) );
9
10 S = mean2(s);
11 std_s = std(s(:));

```

Listing B.28: Quantification of the Gestalt principle of 3D parallelism (cylindrical).

```

1 function [P,std_p,p] = BottleParallelism(N)
2

```

```

3  p = size(N,2)/2;
4
5  N1 = N(:, 1:p ,:);
6  N2 = N(:,p+1:end,:);
7
8  p = dot(N1,N2).^2;
9  p = permute(p,[3,2,1]);
10
11 P = mean2(p);
12 std_p = std(p(:));

```

Listing B.29: Quantification of the Gestalt principle of 3D continuity (Gaussian curvature-based).

```

1  function [C,std_c,c] = BottleGaussContin(N,ruu,rvv)% ,gamma
2
3  ku = sum(N.*ruu);
4  kv = sum(N.*rvv);
5
6  K = ku.*kv;
7  K = permute(K,[3,2,1]);
8
9  c = exp(-abs(K));
10
11 C = mean2(c);
12 std_c = std(c(:));

```

Listing B.30: Plot of cubic spline parametrization of 3D shape for the case study II.

```

1  function Plot3DBottle(R,Cross,Rails,h,tap,div,plot)
2
3  m = size(Cross,1);
4  n = size(Rails,1);
5
6  theta = pi*(0:2/n:2);
7  zeta = 0:h/(m-1):h;
8
9  figure
10 hold all
11 axis equal
12

```

```

13 for i = 1:m
14
15 Su = ppval(Cross(i,1), linspace(0,2*pi,div+1));
16
17 plot3(Su(1,:),Su(2,:),zeta(i)*ones(1,size(Su,2)),'k')
18
19 end
20
21 for j = 1:n
22
23 Z = linspace(0,h,div);
24
25 Sv = ppval(Rails(j,1),Z);
26
27 plot3(Sv(1,:),Sv(2,:),Z,'b')
28
29 line([Sv(1,end), Sv(1,end)],...
30      [Sv(2,end), Sv(2,end)],...
31      [ Z(end),Z(end)+tap],...
32      'color','b')
33
34 end
35
36 if strcmp(plot,'normal') == 1
37
38 N = BottleNormalVectors(Cross,Rails,theta,zeta);
39
40     for i = 1:m
41         for j = 1:n
42             [x,y,z] = pol2cart(theta(j),R(i,j),zeta(i));
43             line([x x+N(1,j,i)], [y y+N(2,j,i)], [z z+N(3,j,i)], 'color','r')
44         end
45     end
46 end
47
48 t = linspace(0,2*pi,div+1);
49 plot3(0.5*cos(t),0.5*sin(t),(h+tap)*ones(1,div+1),'k')
50
51 grid on
52 hold off

```

APPENDIX C

UNREAL ENGINE 4.10 BLUEPRINTS (TEXT VERSION)⁴

C.1 First (Welcome) Level of the Virtual DCE Study

```
Begin Object Class=K2Node_Event Name="K2Node_Event_213"
Begin Object Class=EdGraphPin Name="EdGraphPin_5658"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5659"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5660"
End Object
Begin Object Name="EdGraphPin_5658"
  PinName="OutputDelegate"
  Direction=EGPD_Output
  PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick"))
End Object
Begin Object Name="EdGraphPin_5659"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_5667'
End Object
Begin Object Name="EdGraphPin_5660"
  PinName="DeltaSeconds"
  PinToolTip="Delta Seconds\nFloat"
  Direction=EGPD_Output
  PinType=(PinCategory="float")
  DefaultValue="0.0"
  AutogeneratedDefaultValue="0.0"
End Object
EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_5658'
Pins(1)=EdGraphPin'EdGraphPin_5659'
Pins(2)=EdGraphPin'EdGraphPin_5660'
NodePosV=-1152
NodeGuid=69EE87B3479BEF0201514C8CD056C7BC
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3887"
Begin Object Class=EdGraphPin Name="EdGraphPin_5667"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5668"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5669"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5670"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5671"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5672"
End Object
Begin Object Name="EdGraphPin_5667"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_Event_213.EdGraphPin_5659'
End Object
Begin Object Name="EdGraphPin_5668"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5669"
```

⁴ A visual scripting version of each text blueprint can be obtained by copying and pasting the blueprint on <http://blueprintue.com/>.

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
        DefaultObject=Default__VictoryBPFunctionLibrary
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_5670"
    PinName="TheCharacter"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3888.EdGraphPin_5688'
End Object
Begin Object Name="EdGraphPin_5671"
    PinName="NewMaxMoveSpeed"
    PinType=(PinCategory="float")
    DefaultValue="250"
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_5672"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="CharacterMovement__SetMaxMoveSpeed")
Pins(0)=EdGraphPin'EdGraphPin_5667'
Pins(1)=EdGraphPin'EdGraphPin_5668'
Pins(2)=EdGraphPin'EdGraphPin_5669'
Pins(3)=EdGraphPin'EdGraphPin_5670'
Pins(4)=EdGraphPin'EdGraphPin_5671'
Pins(5)=EdGraphPin'EdGraphPin_5672'
NodePosX=384
NodePosY=-1152
NodeGuid=399E38AD41C0E346EA21019C48E8337E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3888"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5685"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5686"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5687"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5688"
    End Object
    Begin Object Name="EdGraphPin_5685"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_5686"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_5687"
        PinName="PlayerIndex"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_5688"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_5670'
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetPlayerCharacter")
    Pins(0)=EdGraphPin'EdGraphPin_5685'
    Pins(1)=EdGraphPin'EdGraphPin_5686'
    Pins(2)=EdGraphPin'EdGraphPin_5687'
    Pins(3)=EdGraphPin'EdGraphPin_5688'
    NodePosX=48
    NodePosY=-1024
    NodeGuid=321CCAFE4A1F903CAB785FBD87637D90
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_128"
    Begin Object Class=EdGraphPin Name="EdGraphPin_4646"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4647"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4648"
    End Object
    Begin Object Name="EdGraphPin_4646"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C',MemberName="BndEvt__Portal_C_1_K2Node_ActorBoundEvent_128_ActorBoundEvent_128")
    End Object
    Begin Object Name="EdGraphPin_4647"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5647.EdGraphPin_5697'
    End Object
    Begin Object Name="EdGraphPin_4648"

```

```

        PinName="OtherActor"
        PinToolTip="Other Actor\nActor Reference"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    End Object
    DelegatePropertyName="OnActorBeginOverlap"
    DelegateOwnerClass=Class'/Script/Engine.Actor'
    EventOwner=Portal_C'/Game/Maps/begin_DCE.begin_DCE:PersistentLevel.Portal_C_1'
    EventReference=(MemberParent=Package'"/Script/Engine",MemberName="ActorBeginOverlapSignature__DelegateSignature")
    bInternalEvent=True
    CustomFunctionName="BndEvt__Portal_C_1_K2Node_ActorBoundEvent_128_ActorBeginOverlapSignature__DelegateSignature"
    Pins(0)=EdGraphPin'EdGraphPin_4646'
    Pins(1)=EdGraphPin'EdGraphPin_4647'
    Pins(2)=EdGraphPin'EdGraphPin_4648'
    NodePosY=-1344
    NodeGuid=4390722F464DADC54452E492C60A19FF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5647"
Begin Object Class=EdGraphPin Name="EdGraphPin_5697"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5698"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5699"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5700"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5701"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5702"
End Object
Begin Object Name="EdGraphPin_5697"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_128.EdGraphPin_4647'
End Object
Begin Object Name="EdGraphPin_5698"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5340.EdGraphPin_5736'
End Object
Begin Object Name="EdGraphPin_5699"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
    DefaultObject=Default__KismetSystemLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_5700"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_5701"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="0.5"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_5702"
    PinName="LatentInfo"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"
    AutogeneratedDefaultValue="LatentInfo"
    bHidden=True
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_5697'
Pins(1)=EdGraphPin'EdGraphPin_5698'
Pins(2)=EdGraphPin'EdGraphPin_5699'
Pins(3)=EdGraphPin'EdGraphPin_5700'
Pins(4)=EdGraphPin'EdGraphPin_5701'
Pins(5)=EdGraphPin'EdGraphPin_5702'
NodePosX=304
NodePosY=-1344
NodeGuid=B63F98124E1AE89E0D648D86256411F6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2697"
Begin Object Class=EdGraphPin Name="EdGraphPin_5715"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5716"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5717"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5718"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5719"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5720"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5721"
End Object
Begin Object Name="EdGraphPin_5715"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3091.EdGraphPin_5770'

```

```

End Object
Begin Object Name="EdGraphPin_5716"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5717"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_5718"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_5719"
    PinName="LevelName"
    PinType=(PinCategory="name")
    DefaultValue="level00"
    AutogeneratedDefaultValue="None"
End Object
Begin Object Name="EdGraphPin_5720"
    PinName="bAbsolute"
    PinType=(PinCategory="bool")
    DefaultValue="true"
    AutogeneratedDefaultValue="true"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_5721"
    PinName="Options"
    PinType=(PinCategory="string")
    bAdvancedView=True
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="OpenLevel")
Pins(0)=EdGraphPin'EdGraphPin_5715'
Pins(1)=EdGraphPin'EdGraphPin_5716'
Pins(2)=EdGraphPin'EdGraphPin_5717'
Pins(3)=EdGraphPin'EdGraphPin_5718'
Pins(4)=EdGraphPin'EdGraphPin_5719'
Pins(5)=EdGraphPin'EdGraphPin_5720'
Pins(6)=EdGraphPin'EdGraphPin_5721'
NodePosX=1136
NodePosY=-1344
NodeGuid=9AC639E141F6E5C521A85CBDA7D7CD35
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5340"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5736"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5737"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5738"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5739"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5740"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5741"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5742"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5743"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5744"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5745"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5746"
        End Object
    Begin Object Name="EdGraphPin_5736"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5647.EdGraphPin_5698'
    End Object
    Begin Object Name="EdGraphPin_5737"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3091.EdGraphPin_5769'
    End Object
    Begin Object Name="EdGraphPin_5738"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_5739"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_5740"
        PinName="Sound"

```



```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
        DefaultObject=SoundWave'/Game/Glove_Box_Open.Glove_Box_Open'
    End Object
Begin Object Name="EdGraphPin_5741"
    PinName="Location"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    DefaultValue="-410.000000,0.000000,1930.000000"
    AutogeneratedDefaultValue="0, 0, 0"
End Object
Begin Object Name="EdGraphPin_5742"
    PinName="Rotation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_5743"
    PinName="VolumeMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_5744"
    PinName="PitchMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_5745"
    PinName="StartTime"
    PinType=(PinCategory="float")
    DefaultValue="0.000000"
    AutogeneratedDefaultValue="0.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_5746"
    PinName="AttenuationSettings"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundAttenuation')
    bAdvancedView=True
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySoundAtLocation")
Pins(0)=EdGraphPin'EdGraphPin_5736'
Pins(1)=EdGraphPin'EdGraphPin_5737'
Pins(2)=EdGraphPin'EdGraphPin_5738'
Pins(3)=EdGraphPin'EdGraphPin_5739'
Pins(4)=EdGraphPin'EdGraphPin_5740'
Pins(5)=EdGraphPin'EdGraphPin_5741'
Pins(6)=EdGraphPin'EdGraphPin_5742'
Pins(7)=EdGraphPin'EdGraphPin_5743'
Pins(8)=EdGraphPin'EdGraphPin_5744'
Pins(9)=EdGraphPin'EdGraphPin_5745'
Pins(10)=EdGraphPin'EdGraphPin_5746'
NodePosX=560
NodePosY=-1344
NodeGuid=5D7301144F68F080BD53A9A7B56F0CBE
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3091"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5769"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5770"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5771"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5772"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5773"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5774"
        End Object
    Begin Object Name="EdGraphPin_5769"
        PinName="execute"
        PinToolTip="\nExec"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5340.EdGraphPin_5737'
    End Object
    Begin Object Name="EdGraphPin_5770"
        PinName="then"
        PinFriendlyName="Completed"
        PinToolTip="Completed\nExec"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2697.EdGraphPin_5715'
    End Object
    Begin Object Name="EdGraphPin_5771"
        PinName="self"
        PinFriendlyName="Target"
        PinToolTip="Target\nKismet System Library Reference"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
        DefaultObject=Default__KismetSystemLibrary
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_5772"
        PinName="WorldContextObject"
        PinToolTip="World Context Object\nObject Reference"

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_5773"
    PinName="Duration"
    PinToolTip="Duration\nFloat\nlength of delay (in seconds).\"
    PinType=(PinCategory="float")
    DefaultValue="1"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_5774"
    PinName="LatentInfo"
    PinToolTip="Latent Info\nLatent Action Info Structure\nThe latent action.\"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"
    AutogeneratedDefaultValue="LatentInfo"
    bHidden=True
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_5769'
Pins(1)=EdGraphPin'EdGraphPin_5770'
Pins(2)=EdGraphPin'EdGraphPin_5771'
Pins(3)=EdGraphPin'EdGraphPin_5772'
Pins(4)=EdGraphPin'EdGraphPin_5773'
Pins(5)=EdGraphPin'EdGraphPin_5774'
NodePosX=848
NodePosY=-1344
NodeGuid=E0C9D4CC4A62AB89CE2A73804EF157F6
End Object
Begin Object Class=K2Node_CreateWidget Name="K2Node_CreateWidget_47"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5787"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5788"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5789"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5790"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5791"
        End Object
    Begin Object Name="EdGraphPin_5787"
        PinName="execute"
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_5788"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_840.EdGraphPin_4844'
    End Object
    Begin Object Name="EdGraphPin_5789"
        PinName="Class"
        PinToolTip="User Widget Class Class\nThe object class you want to spawn\"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        DefaultToObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_1.Inst_1_C'
    End Object
    Begin Object Name="EdGraphPin_5790"
        PinName="ReturnValue"
        PinToolTip="User Widget Reference Return Value\nThe spawned object\"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_1.Inst_1_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_840.EdGraphPin_4846'
    End Object
    Begin Object Name="EdGraphPin_5791"
        PinName="OwningPlayer"
        PinToolTip="Player Controller Reference Owning Player\nThe player that \\'owns\' the widget.\"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.PlayerController')
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5787'
    Pins(1)=EdGraphPin'EdGraphPin_5788'
    Pins(2)=EdGraphPin'EdGraphPin_5789'
    Pins(3)=EdGraphPin'EdGraphPin_5790'
    Pins(4)=EdGraphPin'EdGraphPin_5791'
    NodePosX=240
    NodePosY=-832
    NodeGuid=1BD42163402A85E3D9698FB5B99B6602
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_840"
    Begin Object Class=EdGraphPin Name="EdGraphPin_4844"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4845"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4846"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4847"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4848"
        End Object
    Begin Object Name="EdGraphPin_4844"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_47.EdGraphPin_5788'
    End Object
    Begin Object Name="EdGraphPin_4845"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_52.EdGraphPin_5802'
End Object
Begin Object Name="EdGraphPin_4846"
    PinName="Widget_1"
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_1.Inst_1_C')
    LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_47.EdGraphPin_5790'
End Object
Begin Object Name="EdGraphPin_4847"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_1.Inst_1_C')
End Object
Begin Object Name="EdGraphPin_4848"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Widget_1",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_4844'
Pins(1)=EdGraphPin'EdGraphPin_4845'
Pins(2)=EdGraphPin'EdGraphPin_4846'
Pins(3)=EdGraphPin'EdGraphPin_4847'
Pins(4)=EdGraphPin'EdGraphPin_4848'
NodePosX=592
NodePosY=-816
NodeGuid=5AC8883040698ACF2BD237A719C7D8C2
End Object
Begin Object Class=K2Node_CreateWidget Name="K2Node_CreateWidget_52"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5802"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5803"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5804"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5805"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5806"
        End Object
    Begin Object Name="EdGraphPin_5802"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_840.EdGraphPin_4845'
    End Object
    Begin Object Name="EdGraphPin_5803"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_851.EdGraphPin_4733'
    End Object
    Begin Object Name="EdGraphPin_5804"
        PinName="Class"
        PinToolTip="User Widget Class Class\nThe object class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        DefaultObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_2.Inst_2_C'
    End Object
    Begin Object Name="EdGraphPin_5805"
        PinName="ReturnValue"
        PinToolTip="User Widget Reference Return Value\nThe spawned object"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_2.Inst_2_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_851.EdGraphPin_4735'
    End Object
    Begin Object Name="EdGraphPin_5806"
        PinName="OwningPlayer"
        PinToolTip="Player Controller Reference Owning Player\nThe player that \\'owns\' the widget."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.PlayerController')
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5802'
    Pins(1)=EdGraphPin'EdGraphPin_5803'
    Pins(2)=EdGraphPin'EdGraphPin_5804'
    Pins(3)=EdGraphPin'EdGraphPin_5805'
    Pins(4)=EdGraphPin'EdGraphPin_5806'
    NodePosX=784
    NodePosY=-832
    NodeGuid=45ADD78D44006FB5BDC340A6B56FDAB8
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_851"
    Begin Object Class=EdGraphPin Name="EdGraphPin_4733"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4734"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4735"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4736"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4737"
        End Object
    Begin Object Name="EdGraphPin_4733"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_52.EdGraphPin_5803'
    End Object
    Begin Object Name="EdGraphPin_4734"
        PinName="then"
        Direction=EGPD_Output

```

```

        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_59.EdGraphPin_5817'
    End Object
Begin Object Name="EdGraphPin_4735"
    PinName="Widget_2"
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_2.Inst_2_C')
    LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_52.EdGraphPin_5805'
End Object
Begin Object Name="EdGraphPin_4736"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_2.Inst_2_C')
End Object
Begin Object Name="EdGraphPin_4737"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Widget_2",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_4733'
Pins(1)=EdGraphPin'EdGraphPin_4734'
Pins(2)=EdGraphPin'EdGraphPin_4735'
Pins(3)=EdGraphPin'EdGraphPin_4736'
Pins(4)=EdGraphPin'EdGraphPin_4737'
NodePosX=1136
NodePosY=-816
NodeGuid=66AA2F2A4D7DA83EE6C228AD826963FE
End Object
Begin Object Class=K2Node_CreateWidget Name="K2Node_CreateWidget_59"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5817"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5818"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5819"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5820"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5821"
        End Object
    Begin Object Name="EdGraphPin_5817"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_851.EdGraphPin_4734'
    End Object
    Begin Object Name="EdGraphPin_5818"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_870.EdGraphPin_4799'
    End Object
    Begin Object Name="EdGraphPin_5819"
        PinName="Class"
        PinToolTip="User Widget Class Class\nThe object class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        DefaultObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_3.Inst_3_C'
    End Object
    Begin Object Name="EdGraphPin_5820"
        PinName="ReturnValue"
        PinToolTip="User Widget Reference Return Value\nThe spawned object"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_3.Inst_3_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_870.EdGraphPin_4801'
    End Object
    Begin Object Name="EdGraphPin_5821"
        PinName="OwningPlayer"
        PinToolTip="Player Controller Reference Owning Player\nThe player that \\'owns\' the widget."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.PlayerController')
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5817'
    Pins(1)=EdGraphPin'EdGraphPin_5818'
    Pins(2)=EdGraphPin'EdGraphPin_5819'
    Pins(3)=EdGraphPin'EdGraphPin_5820'
    Pins(4)=EdGraphPin'EdGraphPin_5821'
    NodePosX=1312
    NodePosY=-832
    NodeGuid=3436D6174DD6B6461EED588519FAE766
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_870"
    Begin Object Class=EdGraphPin Name="EdGraphPin_4799"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4800"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4801"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4802"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4803"
        End Object
    Begin Object Name="EdGraphPin_4799"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_59.EdGraphPin_5818'
    End Object
    Begin Object Name="EdGraphPin_4800"
        PinName="then"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_68.EdGraphPin_5832'
    End Object
    Begin Object Name="EdGraphPin_4801"
        PinName="Widget_3"
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_3.Inst_3_C')
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_59.EdGraphPin_5820'
    End Object
    Begin Object Name="EdGraphPin_4802"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_3.Inst_3_C')
    End Object
    Begin Object Name="EdGraphPin_4803"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Widget_3",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_4799'
    Pins(1)=EdGraphPin'EdGraphPin_4800'
    Pins(2)=EdGraphPin'EdGraphPin_4801'
    Pins(3)=EdGraphPin'EdGraphPin_4802'
    Pins(4)=EdGraphPin'EdGraphPin_4803'
    NodePosX=1664
    NodePosY=-816
    NodeGuid=89FCEE4F4D4E37C68A67ABA0097FDE65
End Object
Begin Object Class=K2Node_CreateWidget Name="K2Node_CreateWidget_68"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5832"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5833"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5834"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5835"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5836"
    End Object
    Begin Object Name="EdGraphPin_5832"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_870.EdGraphPin_4800'
    End Object
    Begin Object Name="EdGraphPin_5833"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_886.EdGraphPin_4829'
    End Object
    Begin Object Name="EdGraphPin_5834"
        PinName="Class"
        PinToolTip="User Widget Class Class\nThe object class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        DefaultObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_4.Inst_4_C'
    End Object
    Begin Object Name="EdGraphPin_5835"
        PinName="ReturnValue"
        PinToolTip="User Widget Reference Return Value\nThe spawned object"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_4.Inst_4_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_886.EdGraphPin_4831'
    End Object
    Begin Object Name="EdGraphPin_5836"
        PinName="OwningPlayer"
        PinToolTip="Player Controller Reference Owning Player\nThe player that \\'owns\' the widget."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.PlayerController')
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5832'
    Pins(1)=EdGraphPin'EdGraphPin_5833'
    Pins(2)=EdGraphPin'EdGraphPin_5834'
    Pins(3)=EdGraphPin'EdGraphPin_5835'
    Pins(4)=EdGraphPin'EdGraphPin_5836'
    NodePosX=1840
    NodePosY=-832
    NodeGuid=D88AABC7461DCAA71B2418D75F2E588
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_886"
    Begin Object Class=EdGraphPin Name="EdGraphPin_4829"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4830"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4831"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4832"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4833"
    End Object
    Begin Object Name="EdGraphPin_4829"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_68.EdGraphPin_5833'
    End Object
    Begin Object Name="EdGraphPin_4830"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_1.EdGraphPin_5847'
    End Object
Begin Object Name="EdGraphPin_4831"
    PinName="Widget_4"
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_4.Inst_4_C')
    LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_68.EdGraphPin_5835'
End Object
Begin Object Name="EdGraphPin_4832"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_4.Inst_4_C')
End Object
Begin Object Name="EdGraphPin_4833"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Widget_4",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_4829'
Pins(1)=EdGraphPin'EdGraphPin_4830'
Pins(2)=EdGraphPin'EdGraphPin_4831'
Pins(3)=EdGraphPin'EdGraphPin_4832'
Pins(4)=EdGraphPin'EdGraphPin_4833'
NodePosX=2176
NodePosY=-816
NodeGuid=088537344F65EF66BB8DC9ADC883F3A2
End Object
Begin Object Class=K2Node_CreateWidget Name="K2Node_CreateWidget_1"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5847"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5848"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5849"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5850"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5851"
        End Object
    Begin Object Name="EdGraphPin_5847"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_886.EdGraphPin_4830'
    End Object
    Begin Object Name="EdGraphPin_5848"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_904.EdGraphPin_5078'
    End Object
    Begin Object Name="EdGraphPin_5849"
        PinName="Class"
        PinToolTip="User Widget Class Class\nThe object class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        DefaultObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_5.Inst_5_C'
    End Object
    Begin Object Name="EdGraphPin_5850"
        PinName="ReturnValue"
        PinToolTip="User Widget Reference Return Value\nThe spawned object"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_5.Inst_5_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_904.EdGraphPin_5080'
    End Object
    Begin Object Name="EdGraphPin_5851"
        PinName="OwningPlayer"
        PinToolTip="Player Controller Reference Owning Player\nThe player that \owns\ the widget."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.PlayerController')
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5847'
    Pins(1)=EdGraphPin'EdGraphPin_5848'
    Pins(2)=EdGraphPin'EdGraphPin_5849'
    Pins(3)=EdGraphPin'EdGraphPin_5850'
    Pins(4)=EdGraphPin'EdGraphPin_5851'
    NodePosX=2352
    NodePosY=-832
    NodeGuid=1925C67549DE90B3CA9AA2A8D6A05DC6
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_904"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5078"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5079"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5080"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5081"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5082"
        End Object
    Begin Object Name="EdGraphPin_5078"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_1.EdGraphPin_5848'
    End Object

```

```

Begin Object Name="EdGraphPin_5079"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5080"
    PinName="Widget_5"
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_5.Inst_5_C')
    LinkedTo(0)=EdGraphPin'K2Node_CreateWidget_1.EdGraphPin_5850'
End Object
Begin Object Name="EdGraphPin_5081"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_5.Inst_5_C')
End Object
Begin Object Name="EdGraphPin_5082"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Widget_5",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_5078'
Pins(1)=EdGraphPin'EdGraphPin_5079'
Pins(2)=EdGraphPin'EdGraphPin_5080'
Pins(3)=EdGraphPin'EdGraphPin_5081'
Pins(4)=EdGraphPin'EdGraphPin_5082'
NodePosX=2704
NodePosY=-816
NodeGuid=45147C9948A7450FF311CC89FDF54D67
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33927"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5862"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5863"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5864"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5865"
    End Object
    Begin Object Name="EdGraphPin_5862"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7781.EdGraphPin_5014'
    End Object
    Begin Object Name="EdGraphPin_5863"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_5864"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18484.EdGraphPin_5093'
    End Object
    Begin Object Name="EdGraphPin_5865"
        PinName="ZOrder"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        bAdvancedView=True
    End Object
    FunctionReference=(MemberParent=Class'/Script/UMG.UserWidget',MemberName="AddToViewport")
    Pins(0)=EdGraphPin'EdGraphPin_5862'
    Pins(1)=EdGraphPin'EdGraphPin_5863'
    Pins(2)=EdGraphPin'EdGraphPin_5864'
    Pins(3)=EdGraphPin'EdGraphPin_5865'
    NodePosX=1328
    NodePosY=-528
    NodeGuid=D143AEDC422AC9E83A7B20AD353DEA78
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18484"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5093"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5094"
    End Object
    Begin Object Name="EdGraphPin_5093"
        PinName="Widget_1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_1.Inst_1_C')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33927.EdGraphPin_5864'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33928.EdGraphPin_5876'
    End Object
    Begin Object Name="EdGraphPin_5094"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Widget_1",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5093'
    Pins(1)=EdGraphPin'EdGraphPin_5094'
    NodePosX=1152
    NodePosY=-608

```

```

NodeGuid=24519770484E746A50B78DAFDE90B39E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33928"
Begin Object Class=EdGraphPin Name="EdGraphPin_5874"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5875"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5876"
End Object
Begin Object Name="EdGraphPin_5874"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7782.EdGraphPin_5026'
End Object
Begin Object Name="EdGraphPin_5875"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33935.EdGraphPin_5964'
End Object
Begin Object Name="EdGraphPin_5876"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.Widget')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18484.EdGraphPin_5093'
End Object
FunctionReference=(MemberParent=Class'/Script/UMG.Widget',MemberName="RemoveFromParent")
Pins(0)=EdGraphPin'EdGraphPin_5874'
Pins(1)=EdGraphPin'EdGraphPin_5875'
Pins(2)=EdGraphPin'EdGraphPin_5876'
NodePosX=1328
NodePosY=-400
NodeGuid=40DAFC7A4AAD100BDA0F60BA5B8702E7
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_875"
Begin Object Class=EdGraphPin Name="EdGraphPin_5883"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5884"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5885"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5886"
End Object
Begin Object Name="EdGraphPin_5883"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_5884"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18485.EdGraphPin_5126'
End Object
Begin Object Name="EdGraphPin_5885"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="1"
End Object
Begin Object Name="EdGraphPin_5886"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4924'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Add_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_5883'
Pins(1)=EdGraphPin'EdGraphPin_5884'
Pins(2)=EdGraphPin'EdGraphPin_5885'
Pins(3)=EdGraphPin'EdGraphPin_5886'
NodePosX=160
NodePosY=-256
NodeGuid=8D43147849A127BFDE21D3BD2CC479D7
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_8989"
Begin Object Class=EdGraphPin Name="EdGraphPin_4922"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_4923"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_4924"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_4925"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_4926"
End Object
Begin Object Name="EdGraphPin_4922"
PinName="execute"
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_4923"
PinName="then"

```



```

        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7781.EdGraphPin_5012'
    End Object
Begin Object Name="EdGraphPin_4924"
    PinName="Counter"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_875.EdGraphPin_5886'
End Object
Begin Object Name="EdGraphPin_4925"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33929.EdGraphPin_5896'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33930.EdGraphPin_5908'
    LinkedTo(2)=EdGraphPin'K2Node_CallFunction_33931.EdGraphPin_5920'
    LinkedTo(3)=EdGraphPin'K2Node_CallFunction_33932.EdGraphPin_5932'
    LinkedTo(4)=EdGraphPin'K2Node_CallFunction_33933.EdGraphPin_5944'
End Object
Begin Object Name="EdGraphPin_4926"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_4922'
Pins(1)=EdGraphPin'EdGraphPin_4923'
Pins(2)=EdGraphPin'EdGraphPin_4924'
Pins(3)=EdGraphPin'EdGraphPin_4925'
Pins(4)=EdGraphPin'EdGraphPin_4926'
NodePosX=320
NodePosY=-368
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
NodeGuid=C8C5E2AB45C493AB2918EB9692F7D51D
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18485"
Begin Object Class=EdGraphPin Name="EdGraphPin_5126"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5127"
End Object
Begin Object Name="EdGraphPin_5126"
    PinName="Counter"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_875.EdGraphPin_5884'
End Object
Begin Object Name="EdGraphPin_5127"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_5126'
Pins(1)=EdGraphPin'EdGraphPin_5127'
NodePosX=-16
NodePosY=-176
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Get Counter \\nError The property associated with Counter could not be fo
NodeGuid=3A51F2DF4F5E830C3D46A4BEF939E84
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33929"
Begin Object Class=EdGraphPin Name="EdGraphPin_5895"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5896"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5897"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5898"
End Object
Begin Object Name="EdGraphPin_5895"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_5896"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4925'
End Object
Begin Object Name="EdGraphPin_5897"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object

```

```
Begin Object Name="EdGraphPin_K2Node_5898"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7781.EdGraphPin_5013'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_5895'
Pins(1)=EdGraphPin'EdGraphPin_5896'
Pins(2)=EdGraphPin'EdGraphPin_5897'
Pins(3)=EdGraphPin'EdGraphPin_5898'
NodePosX=528
NodePosY=-368
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=B7CD91F54F1A621162C4A7B1F080C6CD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33930"
Begin Object Class=EdGraphPin Name="EdGraphPin_5907"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5908"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5909"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5910"
End Object
Begin Object Name="EdGraphPin_5907"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
Begin Object Name="EdGraphPin_5908"
  PinName="A"
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4925'
End Object
Begin Object Name="EdGraphPin_5909"
  PinName="B"
  PinType=(PinCategory="int")
  DefaultValue="2"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_5910"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7782.EdGraphPin_5025'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_5907'
Pins(1)=EdGraphPin'EdGraphPin_5908'
Pins(2)=EdGraphPin'EdGraphPin_5909'
Pins(3)=EdGraphPin'EdGraphPin_5910'
NodePosX=528
NodePosY=-288
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=36AEFF2845CB72A16FB6698F58CE16CA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33931"
Begin Object Class=EdGraphPin Name="EdGraphPin_5919"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5920"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5921"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5922"
End Object
Begin Object Name="EdGraphPin_5919"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
Begin Object Name="EdGraphPin_5920"
  PinName="A"
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4925'
End Object
Begin Object Name="EdGraphPin_5921"
  PinName="B"
  PinType=(PinCategory="int")
  DefaultValue="4"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_5922"
```

```

    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7784.EdGraphPin_5361'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_5919'
Pins(1)=EdGraphPin'EdGraphPin_5920'
Pins(2)=EdGraphPin'EdGraphPin_5921'
Pins(3)=EdGraphPin'EdGraphPin_5922'
NodePosX=528
NodePosY=-128
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=05E9BDC4EAD5E82C79D398AC61A51F2
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33932"
Begin Object Class=EdGraphPin Name="EdGraphPin_5931"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5932"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5933"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5934"
End Object
Begin Object Name="EdGraphPin_5931"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_5932"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4925'
End Object
Begin Object Name="EdGraphPin_5933"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="3"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_5934"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7783.EdGraphPin_5202'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_5931'
Pins(1)=EdGraphPin'EdGraphPin_5932'
Pins(2)=EdGraphPin'EdGraphPin_5933'
Pins(3)=EdGraphPin'EdGraphPin_5934'
NodePosX=528
NodePosY=-208
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=63C171BD4923048BEEB84799058A8933
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33933"
Begin Object Class=EdGraphPin Name="EdGraphPin_5943"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5944"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5945"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5946"
End Object
Begin Object Name="EdGraphPin_5943"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_5944"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4925'
End Object
Begin Object Name="EdGraphPin_5945"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="5"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_5946"
PinName="ReturnValue"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7785.EdGraphPin_5067'
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_5943'
    Pins(1)=EdGraphPin'EdGraphPin_5944'
    Pins(2)=EdGraphPin'EdGraphPin_5945'
    Pins(3)=EdGraphPin'EdGraphPin_5946'
    NodePosX=528
    NodePosY=-48
    ErrorType=1
    ErrorMessage="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
    NodeGuid=CE8B542C41B1740C2A8F7EB8E9B24D9D
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_7781"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5012"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5013"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5014"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5015"
        End Object
    Begin Object Name="EdGraphPin_5012"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8989.EdGraphPin_4923'
    End Object
    Begin Object Name="EdGraphPin_5013"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33929.EdGraphPin_5898'
    End Object
    Begin Object Name="EdGraphPin_5014"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33927.EdGraphPin_5862'
    End Object
    Begin Object Name="EdGraphPin_5015"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7782.EdGraphPin_5024'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_5012'
    Pins(1)=EdGraphPin'EdGraphPin_5013'
    Pins(2)=EdGraphPin'EdGraphPin_5014'
    Pins(3)=EdGraphPin'EdGraphPin_5015'
    NodePosX=688
    NodePosY=-400
    ErrorType=1
    ErrorMessage="Error Dependency cycle detected, preventing node Branch from being scheduled"
    NodeGuid=BAEC12A84A6425A360C28AB418E06A50
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_7782"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5024"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5025"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5026"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5027"
        End Object
    Begin Object Name="EdGraphPin_5024"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7781.EdGraphPin_5015'
    End Object
    Begin Object Name="EdGraphPin_5025"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33930.EdGraphPin_5910'
    End Object
    Begin Object Name="EdGraphPin_5026"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33928.EdGraphPin_5874'
    End Object
    Begin Object Name="EdGraphPin_5027"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7783.EdGraphPin_5201'
    End Object
End Object

```

```

Pins(0)=EdGraphPin'EdGraphPin_5024'
Pins(1)=EdGraphPin'EdGraphPin_5025'
Pins(2)=EdGraphPin'EdGraphPin_5026'
Pins(3)=EdGraphPin'EdGraphPin_5027'
NodePosX=880
NodePosY=-320
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=AFFA44C9405B7D7A428848ACF8953F8E
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_7783"
Begin Object Class=EdGraphPin Name="EdGraphPin_5201"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5202"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5203"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5204"
End Object
Begin Object Name="EdGraphPin_5201"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7782.EdGraphPin_5027'
End Object
Begin Object Name="EdGraphPin_5202"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33932.EdGraphPin_5934'
End Object
Begin Object Name="EdGraphPin_5203"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33934.EdGraphPin_5955'
End Object
Begin Object Name="EdGraphPin_5204"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7784.EdGraphPin_5360'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5201'
Pins(1)=EdGraphPin'EdGraphPin_5202'
Pins(2)=EdGraphPin'EdGraphPin_5203'
Pins(3)=EdGraphPin'EdGraphPin_5204'
NodePosX=1072
NodePosY=-240
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=DD3649854F6018CF2D2A998D6C06E04C
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_7784"
Begin Object Class=EdGraphPin Name="EdGraphPin_5360"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5361"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5362"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5363"
End Object
Begin Object Name="EdGraphPin_5360"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7783.EdGraphPin_5204'
End Object
Begin Object Name="EdGraphPin_5361"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33931.EdGraphPin_5922'
End Object
Begin Object Name="EdGraphPin_5362"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33936.EdGraphPin_5976'
End Object
Begin Object Name="EdGraphPin_5363"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7785.EdGraphPin_5066'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5360'
Pins(1)=EdGraphPin'EdGraphPin_5361'
Pins(2)=EdGraphPin'EdGraphPin_5362'
Pins(3)=EdGraphPin'EdGraphPin_5363'
NodePosX=1264
NodePosY=-160
ErrorType=1

```

```

    ErrorMessage="Error Dependency cycle detected, preventing node Branch from being scheduled"
    NodeGuid=AE552D1542C8C356D6847290706FF108
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_7785"
Begin Object Class=EdGraphPin Name="EdGraphPin_5066"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5067"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5068"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5069"
End Object
Begin Object Name="EdGraphPin_5066"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7784.EdGraphPin_5363'
End Object
Begin Object Name="EdGraphPin_5067"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33933.EdGraphPin_5946'
End Object
Begin Object Name="EdGraphPin_5068"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33938.EdGraphPin_5997'
End Object
Begin Object Name="EdGraphPin_5069"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33940.EdGraphPin_6018'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5066'
Pins(1)=EdGraphPin'EdGraphPin_5067'
Pins(2)=EdGraphPin'EdGraphPin_5068'
Pins(3)=EdGraphPin'EdGraphPin_5069'
NodePosX=1440
NodePosY=-80
ErrorType=1
ErrorMessage="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=2E17A2364D8569F45BBEF9971609B156
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33934"
Begin Object Class=EdGraphPin Name="EdGraphPin_5955"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5956"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5957"
End Object
Begin Object Name="EdGraphPin_5955"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7783.EdGraphPin_5203'
End Object
Begin Object Name="EdGraphPin_5956"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33937.EdGraphPin_5985'
End Object
Begin Object Name="EdGraphPin_5957"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.Widget')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18486.EdGraphPin_5099'
End Object
FunctionReference=(MemberParent=Class'/Script/UMG.Widget',MemberName="RemoveFromParent")
Pins(0)=EdGraphPin'EdGraphPin_5955'
Pins(1)=EdGraphPin'EdGraphPin_5956'
Pins(2)=EdGraphPin'EdGraphPin_5957'
NodePosX=1584
NodePosY=-400
NodeGuid=B2C687AC41F438E5D47916A48FAF7074
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33935"
Begin Object Class=EdGraphPin Name="EdGraphPin_5964"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5965"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5966"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5967"
End Object
Begin Object Name="EdGraphPin_5964"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33928.EdGraphPin_5875'
End Object
Begin Object Name="EdGraphPin_5965"
    PinName="then"
    Direction=EGPD_Output

```

```

        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_5966"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18486.EdGraphPin_5099'
End Object
Begin Object Name="EdGraphPin_5967"
    PinName="ZOrder"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    bAdvancedView=True
End Object
FunctionReference=(MemberParent=Class'/Script/UMG.UserWidget',MemberName="AddToViewport")
Pins(0)=EdGraphPin'EdGraphPin_5964'
Pins(1)=EdGraphPin'EdGraphPin_5965'
Pins(2)=EdGraphPin'EdGraphPin_5966'
Pins(3)=EdGraphPin'EdGraphPin_5967'
NodePosX=1584
NodePosY=-528
NodeGuid=BC1D15C742215A14F1ABF6B1341BD555
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18486"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5099"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5100"
    End Object
    Begin Object Name="EdGraphPin_5099"
        PinName="Widget_2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_2.Inst_2_C')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33934.EdGraphPin_5957'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33935.EdGraphPin_5966'
    End Object
    Begin Object Name="EdGraphPin_5100"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Widget_2",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5099'
    Pins(1)=EdGraphPin'EdGraphPin_5100'
    NodePosX=1392
    NodePosY=-608
    NodeGuid=4D4060B24ECC1A6112F00EAF13DC34C6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33936"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5976"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5977"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5978"
    End Object
    Begin Object Name="EdGraphPin_5976"
        PinName="execute"
        PinToolTip="\nExec"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7784.EdGraphPin_5362'
    End Object
    Begin Object Name="EdGraphPin_5977"
        PinName="then"
        PinToolTip="\nExec"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33939.EdGraphPin_6006'
    End Object
    Begin Object Name="EdGraphPin_5978"
        PinName="self"
        PinFriendlyName="Target"
        PinToolTip="Target\nWidget Reference"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.Widget')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18487.EdGraphPin_5447'
    End Object
    FunctionReference=(MemberParent=Class'/Script/UMG.Widget',MemberName="RemoveFromParent")
    Pins(0)=EdGraphPin'EdGraphPin_5976'
    Pins(1)=EdGraphPin'EdGraphPin_5977'
    Pins(2)=EdGraphPin'EdGraphPin_5978'
    NodePosX=1824
    NodePosY=-400
    NodeGuid=728082A14786C453B00E1BAE15D6EA6D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33937"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5985"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5986"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5987"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5988"
    End Object
    Begin Object Name="EdGraphPin_5985"
        PinName="execute"
        PinType=(PinCategory="exec")

```

```

        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33934.EdGraphPin_5956'
    End Object
    Begin Object Name="EdGraphPin_5986"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_5987"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18487.EdGraphPin_5447'
    End Object
    Begin Object Name="EdGraphPin_5988"
        PinName="ZOrder"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        bAdvancedView=True
    End Object
    FunctionReference=(MemberParent=Class'/Script/UMG.UserWidget',MemberName="AddToViewport")
    Pins(0)=EdGraphPin'EdGraphPin_5985'
    Pins(1)=EdGraphPin'EdGraphPin_5986'
    Pins(2)=EdGraphPin'EdGraphPin_5987'
    Pins(3)=EdGraphPin'EdGraphPin_5988'
    NodePosX=1824
    NodePosY=-528
    NodeGuid=61FE757A4D6E2AEF38205383DC0F056B9
    bAdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18487"
Begin Object Class=EdGraphPin Name="EdGraphPin_5447"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5448"
End Object
Begin Object Name="EdGraphPin_5447"
    PinName="Widget_3"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_3.Inst_3_C')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33937.EdGraphPin_5987'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33936.EdGraphPin_5978'
End Object
Begin Object Name="EdGraphPin_5448"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
End Object
VariableReference=(MemberName="Widget_3",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_5447'
Pins(1)=EdGraphPin'EdGraphPin_5448'
NodePosX=1648
NodePosY=-608
NodeGuid=04711F7D4D2E865556910888110CAFAA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33938"
Begin Object Class=EdGraphPin Name="EdGraphPin_5997"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5998"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5999"
End Object
Begin Object Name="EdGraphPin_5997"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7785.EdGraphPin_5068'
End Object
Begin Object Name="EdGraphPin_5998"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33941.EdGraphPin_6027'
End Object
Begin Object Name="EdGraphPin_5999"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.Widget')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18488.EdGraphPin_5153'
End Object
FunctionReference=(MemberParent=Class'/Script/UMG.Widget',MemberName="RemoveFromParent")
Pins(0)=EdGraphPin'EdGraphPin_5997'
Pins(1)=EdGraphPin'EdGraphPin_5998'
Pins(2)=EdGraphPin'EdGraphPin_5999'
NodePosX=2048
NodePosY=-400
NodeGuid=44CD282D4D4668D4031C6ACE329779D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33939"
Begin Object Class=EdGraphPin Name="EdGraphPin_6006"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6007"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6008"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6009"
End Object
Begin Object Name="EdGraphPin_6006"

```



```

        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33936.EdGraphPin_5977'
    End Object
    Begin Object Name="EdGraphPin_6007"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_6008"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18488.EdGraphPin_5153'
    End Object
    Begin Object Name="EdGraphPin_6009"
        PinName="ZOrder"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        bAdvancedView=True
    End Object
    FunctionReference=(MemberParent=Class'/Script/UMG.UserWidget',MemberName="AddToViewport")
    Pins(0)=EdGraphPin'EdGraphPin_6006'
    Pins(1)=EdGraphPin'EdGraphPin_6007'
    Pins(2)=EdGraphPin'EdGraphPin_6008'
    Pins(3)=EdGraphPin'EdGraphPin_6009'
    NodePosX=2048
    NodePosY=-528
    NodeGuid=74C1B1CB4AAB6DC2099AFABA8C0DD85B
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18488"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5153"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5154"
        End Object
    Begin Object Name="EdGraphPin_5153"
        PinName="Widget_4"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_4.Inst_4_C')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33939.EdGraphPin_6008'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33938.EdGraphPin_5999'
    End Object
    Begin Object Name="EdGraphPin_5154"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Widget_4",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5153'
    Pins(1)=EdGraphPin'EdGraphPin_5154'
    NodePosX=1888
    NodePosY=-608
    NodeGuid=55A2C51D42FF60F8CF3AEDA09F0140C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33940"
    Begin Object Class=EdGraphPin Name="EdGraphPin_6018"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6019"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6020"
        End Object
    Begin Object Name="EdGraphPin_6018"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_7785.EdGraphPin_5069'
    End Object
    Begin Object Name="EdGraphPin_6019"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_8990.EdGraphPin_5186'
    End Object
    Begin Object Name="EdGraphPin_6020"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.Widget')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18489.EdGraphPin_5180'
    End Object
    FunctionReference=(MemberParent=Class'/Script/UMG.Widget',MemberName="RemoveFromParent")
    Pins(0)=EdGraphPin'EdGraphPin_6018'
    Pins(1)=EdGraphPin'EdGraphPin_6019'
    Pins(2)=EdGraphPin'EdGraphPin_6020'
    NodePosX=2256
    NodePosY=-400
    NodeGuid=BD4D64A4481820C0EA68B6B7AF42237F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33941"
    Begin Object Class=EdGraphPin Name="EdGraphPin_6027"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6028"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6029"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6030"

```

```

End Object
Begin Object Name="EdGraphPin_6027"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33938.EdGraphPin_5998'
End Object
Begin Object Name="EdGraphPin_6028"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_6029"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/UMG.UserWidget')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18489.EdGraphPin_5180'
End Object
Begin Object Name="EdGraphPin_6030"
    PinName="ZOrder"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    bAdvancedView=True
End Object
FunctionReference=(MemberParent=Class'/Script/UMG.UserWidget',MemberName="AddToViewport")
Pins(0)=EdGraphPin'EdGraphPin_6027'
Pins(1)=EdGraphPin'EdGraphPin_6028'
Pins(2)=EdGraphPin'EdGraphPin_6029'
Pins(3)=EdGraphPin'EdGraphPin_6030'
NodePosX=2256
NodePosY=-528
NodeGuid=AEA9E00048395352232FC1B4B3F2BC42
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18489"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5180"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5181"
    End Object
    Begin Object Name="EdGraphPin_5180"
        PinName="Widget_5"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=WidgetBlueprintGeneratedClass'/Game/Blueprints/Inst_5.Inst_5_C')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33941.EdGraphPin_6029'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_33940.EdGraphPin_6020'
    End Object
    Begin Object Name="EdGraphPin_5181"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Widget_5",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5180'
    Pins(1)=EdGraphPin'EdGraphPin_5181'
    NodePosX=2112
    NodePosY=-608
    NodeGuid=B757D6604C5C9ACA4E1CF294F9CE667A
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_8990"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5186"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5187"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5188"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5189"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5190"
    End Object
    Begin Object Name="EdGraphPin_5186"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33940.EdGraphPin_6019'
    End Object
    Begin Object Name="EdGraphPin_5187"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_5188"
        PinName="Counter"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_5189"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_5190"
        PinName="self"
        PinFriendlyName="Target"

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Counter",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5186'
    Pins(1)=EdGraphPin'EdGraphPin_5187'
    Pins(2)=EdGraphPin'EdGraphPin_5188'
    Pins(3)=EdGraphPin'EdGraphPin_5189'
    Pins(4)=EdGraphPin'EdGraphPin_5190'
    NodePosX=2512
    NodePosY=-368
    ErrorType=1
    ErrorMessage="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
    NodeGuid=209C680D48AD39253C3A0888E9BEA9D0
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_327"
Begin Object Class=EdGraphPin Name="EdGraphPin_6039"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6040"
End Object
Begin Object Name="EdGraphPin_6039"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay"))
End Object
Begin Object Name="EdGraphPin_6040"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_6213'
End Object
EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_6039'
Pins(1)=EdGraphPin'EdGraphPin_6040'
NodePosY=-1584
NodeGuid=7BC269254DF3D058B89B97889090C5D2
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_1191"
Begin Object Class=EdGraphPin Name="EdGraphPin_5213"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5214"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5215"
End Object
Begin Object Name="EdGraphPin_5213"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5214"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5215"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
InputKey=Gamepad_FaceButton_Right
Pins(0)=EdGraphPin'EdGraphPin_5213'
Pins(1)=EdGraphPin'EdGraphPin_5214'
Pins(2)=EdGraphPin'EdGraphPin_5215'
NodePosX=-48
NodePosY=-384
NodeGuid=03B80DB04D60E9DA0B2C758E8A8FC646
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_1192"
Begin Object Class=EdGraphPin Name="EdGraphPin_5222"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5223"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5224"
End Object
Begin Object Name="EdGraphPin_5222"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5223"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5224"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
InputKey=I
Pins(0)=EdGraphPin'EdGraphPin_5222'
Pins(1)=EdGraphPin'EdGraphPin_5223'
Pins(2)=EdGraphPin'EdGraphPin_5224'
NodePosX=80

```

```

NodePosY=-544
NodeGuid=E4823B8549AD03FC4528B1B775A5E3E6
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_36"
Begin Object Class=EdGraphPin Name="EdGraphPin_6045"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6046"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6047"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6048"
End Object
Begin Object Name="EdGraphPin_6045"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_6046"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_148.EdGraphPin_5258'
End Object
Begin Object Name="EdGraphPin_6047"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="1"
End Object
Begin Object Name="EdGraphPin_6048"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5245'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName='Add_IntInt')
Pins(0)=EdGraphPin'EdGraphPin_6045'
Pins(1)=EdGraphPin'EdGraphPin_6046'
Pins(2)=EdGraphPin'EdGraphPin_6047'
Pins(3)=EdGraphPin'EdGraphPin_6048'
NodePosX=208
NodePosY=672
NodeGuid=888A3A7C42498526605BA97C50A9166
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_117"
Begin Object Class=EdGraphPin Name="EdGraphPin_5243"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5244"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5245"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5246"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5247"
End Object
Begin Object Name="EdGraphPin_5243"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputKey_588.EdGraphPin_5336'
LinkedTo(1)=EdGraphPin'K2Node_InputKey_1035.EdGraphPin_5345'
End Object
Begin Object Name="EdGraphPin_5244"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_5300'
End Object
Begin Object Name="EdGraphPin_5245"
PinName="Counter"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_6048'
End Object
Begin Object Name="EdGraphPin_5246"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_6058'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_6070'
LinkedTo(2)=EdGraphPin'K2Node_CallFunction_3079.EdGraphPin_6082'
End Object
Begin Object Name="EdGraphPin_5247"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
bHidden=True
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_5243'

```

```

Pins(1)=EdGraphPin'EdGraphPin_5244'
Pins(2)=EdGraphPin'EdGraphPin_5245'
Pins(3)=EdGraphPin'EdGraphPin_5246'
Pins(4)=EdGraphPin'EdGraphPin_5247'
NodePosX=368
NodePosY=560
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \nError The property associated with Counter could not be fo
NodeGuid=3C9BC1564CA0D32BE580D08D7E1EB631
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_148"
Begin Object Class=EdGraphPin Name="EdGraphPin_5258"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5259"
End Object
Begin Object Name="EdGraphPin_5258"
PinName="Counter"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_6046'
End Object
Begin Object Name="EdGraphPin_5259"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
bHidden=True
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_5258'
Pins(1)=EdGraphPin'EdGraphPin_5259'
NodePosX=32
NodePosY=752
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\nMake sure \"begin_DCE_C\" has been compiled for Get Counter \nError The property associated with Counter could not be fo
NodeGuid=3D26B78243A8A504216964B80891F228
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3077"
Begin Object Class=EdGraphPin Name="EdGraphPin_6057"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6058"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6059"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6060"
End Object
Begin Object Name="EdGraphPin_6057"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_6058"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5246'
End Object
Begin Object Name="EdGraphPin_6059"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6060"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_5301'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_6057'
Pins(1)=EdGraphPin'EdGraphPin_6058'
Pins(2)=EdGraphPin'EdGraphPin_6059'
Pins(3)=EdGraphPin'EdGraphPin_6060'
NodePosX=576
NodePosY=560
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=59D661AC42FD7FEDE5562D8D0800E5B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3076"
Begin Object Class=EdGraphPin Name="EdGraphPin_6069"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6070"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6071"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6072"
End Object
Begin Object Name="EdGraphPin_6069"
PinName="self"
PinFriendlyName="Target"

```

```

    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_6070"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5246'
End Object
Begin Object Name="EdGraphPin_6071"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="2"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6072"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_5313'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_6069'
Pins(1)=EdGraphPin'EdGraphPin_6070'
Pins(2)=EdGraphPin'EdGraphPin_6071'
Pins(3)=EdGraphPin'EdGraphPin_6072'
NodePosX=576
NodePosY=640
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=3548FF6747800B0B955E369A3A928EEA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3079"
    Begin Object Class=EdGraphPin Name="EdGraphPin_6081"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6082"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6083"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6084"
    End Object
    Begin Object Name="EdGraphPin_6081"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_6082"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5246'
    End Object
    Begin Object Name="EdGraphPin_6083"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="3"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_6084"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_5325'
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_6081'
    Pins(1)=EdGraphPin'EdGraphPin_6082'
    Pins(2)=EdGraphPin'EdGraphPin_6083'
    Pins(3)=EdGraphPin'EdGraphPin_6084'
    NodePosX=576
    NodePosY=720
    ErrorType=1
    ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
    NodeGuid=462C9A5A4AF4689C896AB28F9374B7BB
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_87"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5300"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5301"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5302"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5303"
    End Object
    Begin Object Name="EdGraphPin_5300"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5244'
    End Object

```

```

End Object
Begin Object Name="EdGraphPin_5301"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_6060'
End Object
Begin Object Name="EdGraphPin_5302"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_6099'
End Object
Begin Object Name="EdGraphPin_5303"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_5312'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5300'
Pins(1)=EdGraphPin'EdGraphPin_5301'
Pins(2)=EdGraphPin'EdGraphPin_5302'
Pins(3)=EdGraphPin'EdGraphPin_5303'
NodePosX=736
NodePosY=528
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=3798E29148C11AC4921775A7C06BCF47
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_88"
Begin Object Class=EdGraphPin Name="EdGraphPin_5312"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5313"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5314"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5315"
End Object
Begin Object Name="EdGraphPin_5312"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_5303'
End Object
Begin Object Name="EdGraphPin_5313"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_6072'
End Object
Begin Object Name="EdGraphPin_5314"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_6117'
End Object
Begin Object Name="EdGraphPin_5315"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_5324'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5312'
Pins(1)=EdGraphPin'EdGraphPin_5313'
Pins(2)=EdGraphPin'EdGraphPin_5314'
Pins(3)=EdGraphPin'EdGraphPin_5315'
NodePosX=928
NodePosY=608
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=B084FBF74F3D23D484BAD0A48F26B2AE
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_89"
Begin Object Class=EdGraphPin Name="EdGraphPin_5324"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5325"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5326"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5327"
End Object
Begin Object Name="EdGraphPin_5324"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_5315'
End Object
Begin Object Name="EdGraphPin_5325"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3079.EdGraphPin_6084'

```

```

End Object
Begin Object Name="EdGraphPin_5326"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_6135'
End Object
Begin Object Name="EdGraphPin_5327"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_6153'
End Object
Pins(0)=EdGraphPin'EdGraphPin_5324'
Pins(1)=EdGraphPin'EdGraphPin_5325'
Pins(2)=EdGraphPin'EdGraphPin_5326'
Pins(3)=EdGraphPin'EdGraphPin_5327'
NodePosX=1120
NodePosY=688
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=D5BC51AE457BD63D23C079A353A1BEC
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_588"
Begin Object Class=EdGraphPin Name="EdGraphPin_5336"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5337"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5338"
End Object
Begin Object Name="EdGraphPin_5336"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5243'
End Object
Begin Object Name="EdGraphPin_5337"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5338"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
InputKey=Gamepad_FaceButton_Right
Pins(0)=EdGraphPin'EdGraphPin_5336'
Pins(1)=EdGraphPin'EdGraphPin_5337'
Pins(2)=EdGraphPin'EdGraphPin_5338'
NodePosY=544
NodeGuid=DD6D57CA4F8703062DB2FD9034C846C7
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_1035"
Begin Object Class=EdGraphPin Name="EdGraphPin_5345"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5346"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_5347"
End Object
Begin Object Name="EdGraphPin_5345"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_5243'
End Object
Begin Object Name="EdGraphPin_5346"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_5347"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
InputKey=I
Pins(0)=EdGraphPin'EdGraphPin_5345'
Pins(1)=EdGraphPin'EdGraphPin_5346'
Pins(2)=EdGraphPin'EdGraphPin_5347'
NodePosX=128
NodePosY=384
NodeGuid=D7C6B9C3429866295CFB3BA8437F23DD
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18737"
Begin Object Class=EdGraphPin Name="EdGraphPin_6093"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6094"
End Object
Begin Object Name="EdGraphPin_6093"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')

```



```

        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_6101'
    End Object
    Begin Object Name="EdGraphPin_6094"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_6825.EdGraphPin_4668'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_6093'
    Pins(1)=EdGraphPin'EdGraphPin_6094'
    NodePosX=928
    NodePosY=336
    NodeGuid=E41BAA53421866FF14830780B94392E7
    End Object
    Begin Object Class=K2Node_Literal Name="K2Node_Literal_6825"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_4668"
    End Object
    Begin Object Name="EdGraphPin_4668"
        PinName="DecalActor-1"
        PinFriendlyName="DecalActor-1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_6094'
    End Object
    ObjectRef=DecalActor'/Game/Maps/begin_DCE.begin_DCE:PersistentLevel.Instruction'
    Pins(0)=EdGraphPin'EdGraphPin_4668'
    NodePosX=720
    NodePosY=336
    NodeGuid=B4684F87400870779FCED5AF722D3456
    End Object
    Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34650"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6099"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6100"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6101"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6102"
    End Object
    Begin Object Name="EdGraphPin_6099"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_5302'
    End Object
    Begin Object Name="EdGraphPin_6100"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_6165'
    End Object
    Begin Object Name="EdGraphPin_6101"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_6093'
    End Object
    Begin Object Name="EdGraphPin_6102"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Instructions/Inst_1.Inst_1'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_6099'
    Pins(1)=EdGraphPin'EdGraphPin_6100'
    Pins(2)=EdGraphPin'EdGraphPin_6101'
    Pins(3)=EdGraphPin'EdGraphPin_6102'
    NodePosX=1136
    NodePosY=224
    NodeGuid=EA6914F74009C0AD90484ABCD1FAEC24
    End Object
    Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18738"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6111"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6112"
    End Object
    Begin Object Name="EdGraphPin_6111"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_6119'
    End Object
    Begin Object Name="EdGraphPin_6112"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_6826.EdGraphPin_4643'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_6111'
    Pins(1)=EdGraphPin'EdGraphPin_6112'
    NodePosX=1152
    NodePosY=416
    NodeGuid=A02440E0454BF1BFDCDF8C9F3F2E52E6
    End Object

```

```

Begin Object Class=K2Node_Literal Name="K2Node_Literal_6826"
Begin Object Class=EdGraphPin Name="EdGraphPin_4643"
End Object
Begin Object Name="EdGraphPin_4643"
PinName="DecalActor-1"
PinFriendlyName="DecalActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18738.EdGraphPin_6112'
End Object
ObjectRef=DecalActor'/Game/Maps/begin_DCE.begin_DCE:PersistentLevel.Instruction'
Pins(0)=EdGraphPin'EdGraphPin_4643'
NodePosX=944
NodePosY=416
NodeGuid=F65338FD40AFF63753D0F9B15629A626
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34651"
Begin Object Class=EdGraphPin Name="EdGraphPin_6117"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6118"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6119"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6120"
End Object
Begin Object Name="EdGraphPin_6117"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_5314'
End Object
Begin Object Name="EdGraphPin_6118"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_6165'
End Object
Begin Object Name="EdGraphPin_6119"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18738.EdGraphPin_6111'
End Object
Begin Object Name="EdGraphPin_6120"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_2.Inst_2'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_6117'
Pins(1)=EdGraphPin'EdGraphPin_6118'
Pins(2)=EdGraphPin'EdGraphPin_6119'
Pins(3)=EdGraphPin'EdGraphPin_6120'
NodePosX=1360
NodePosY=304
NodeGuid=8B6AA2D14038B3461A96978F1676CAA4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18752"
Begin Object Class=EdGraphPin Name="EdGraphPin_6129"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6130"
End Object
Begin Object Name="EdGraphPin_6129"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_6137'
End Object
Begin Object Name="EdGraphPin_6130"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_6833.EdGraphPin_4640'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_6129'
Pins(1)=EdGraphPin'EdGraphPin_6130'
NodePosX=1376
NodePosY=496
NodeGuid=D739E6F14A50B4CBA4E7499FF24795F1
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_6833"
Begin Object Class=EdGraphPin Name="EdGraphPin_4640"
End Object
Begin Object Name="EdGraphPin_4640"
PinName="DecalActor-1"
PinFriendlyName="DecalActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18752.EdGraphPin_6130'
End Object
ObjectRef=DecalActor'/Game/Maps/begin_DCE.begin_DCE:PersistentLevel.Instruction'
Pins(0)=EdGraphPin'EdGraphPin_4640'
NodePosX=1168
NodePosY=496
NodeGuid=5899A4CE4862ED3D44065E8C8A1B1ED4
End Object

```

```

Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34687"
Begin Object Class=EdGraphPin Name="EdGraphPin_6135"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6136"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6137"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6138"
End Object
Begin Object Name="EdGraphPin_6135"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_5326'
End Object
Begin Object Name="EdGraphPin_6136"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_6165'
End Object
Begin Object Name="EdGraphPin_6137"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18752.EdGraphPin_6129'
End Object
Begin Object Name="EdGraphPin_6138"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_3.Inst_3'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_6135'
Pins(1)=EdGraphPin'EdGraphPin_6136'
Pins(2)=EdGraphPin'EdGraphPin_6137'
Pins(3)=EdGraphPin'EdGraphPin_6138'
NodePosX=1584
NodePosY=384
NodeGuid=58C3357C48AE527B112B8A9A9E6FD9B3
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18725"
Begin Object Class=EdGraphPin Name="EdGraphPin_6147"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6148"
End Object
Begin Object Name="EdGraphPin_6147"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_6155'
End Object
Begin Object Name="EdGraphPin_6148"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_6820.EdGraphPin_4637'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_6147'
Pins(1)=EdGraphPin'EdGraphPin_6148'
NodePosX=1584
NodePosY=592
NodeGuid=69EC71404B9B709234ECC8993C870827
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_6820"
Begin Object Class=EdGraphPin Name="EdGraphPin_4637"
End Object
Begin Object Name="EdGraphPin_4637"
PinName="DecalActor-1"
PinFriendlyName="DecalActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18725.EdGraphPin_6148'
End Object
ObjectRef=DecalActor'/Game/Maps/begin_DCE.begin_DCE:PersistentLevel.Instruction'
Pins(0)=EdGraphPin'EdGraphPin_4637'
NodePosX=1376
NodePosY=592
NodeGuid=A72799FF40A102C8B79EECB16D70DA79
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34616"
Begin Object Class=EdGraphPin Name="EdGraphPin_6153"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6154"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6155"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6156"
End Object
Begin Object Name="EdGraphPin_6153"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_6166'
LinkedTo(1)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_5327'
End Object
Begin Object Name="EdGraphPin_6154"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_129.EdGraphPin_5465'
    End Object
Begin Object Name="EdGraphPin_6155"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18725.EdGraphPin_6147'
End Object
Begin Object Name="EdGraphPin_6156"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Instructions/Inst_6_1.Inst_6_1'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_6153'
Pins(1)=EdGraphPin'EdGraphPin_6154'
Pins(2)=EdGraphPin'EdGraphPin_6155'
Pins(3)=EdGraphPin'EdGraphPin_6156'
NodePosX=1856
NodePosY=480
NodeGuid=74B9DE2746F957DCC23948BA4178D218
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_129"
    Begin Object Class=EdGraphPin Name="EdGraphPin_5465"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5466"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5467"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5468"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_5469"
    End Object
    Begin Object Name="EdGraphPin_5465"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_6154'
    End Object
    Begin Object Name="EdGraphPin_5466"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_5467"
        PinName="Counter"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_5468"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_5469"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
        bHidden=True
    End Object
    VariableReference=(MemberName="Counter",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_5465'
    Pins(1)=EdGraphPin'EdGraphPin_5466'
    Pins(2)=EdGraphPin'EdGraphPin_5467'
    Pins(3)=EdGraphPin'EdGraphPin_5468'
    Pins(4)=EdGraphPin'EdGraphPin_5469'
    NodePosX=2096
    NodePosY=512
    ErrorType=1
    ErrorMessage="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be found"
    NodeGuid=2951B25A440BC59B5B261183999C54A7
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_35521"
    Begin Object Class=EdGraphPin Name="EdGraphPin_6165"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6166"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6167"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6168"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6169"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_6170"
    End Object
    Begin Object Name="EdGraphPin_6165"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_6100'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_6118'
        LinkedTo(2)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_6136'
    End Object

```

```

End Object
Begin Object Name="EdGraphPin_6166"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_6153'
End Object
Begin Object Name="EdGraphPin_6167"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
    DefaultObject=Default__KismetSystemLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_6168"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_6169"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="30"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_6170"
    PinName="LatentInfo"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"
    AutogeneratedDefaultValue="LatentInfo"
    bHidden=True
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_6165'
Pins(1)=EdGraphPin'EdGraphPin_6166'
Pins(2)=EdGraphPin'EdGraphPin_6167'
Pins(3)=EdGraphPin'EdGraphPin_6168'
Pins(4)=EdGraphPin'EdGraphPin_6169'
Pins(5)=EdGraphPin'EdGraphPin_6170'
NodePosX=1712
NodePosY=192
NodeGuid=FBF975854E56617825AA39A5B3C45315
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3098"
Begin Object Class=EdGraphPin Name="EdGraphPin_6183"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6184"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6185"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6186"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6187"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6188"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6189"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6190"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6191"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6192"
End Object
Begin Object Name="EdGraphPin_6183"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_6184"
    PinName="Milliseconds"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6185"
    PinName="Seconds"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6186"
    PinName="Minutes"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6187"
    PinName="Hours12"
    Direction=EGPD_Output
    PinType=(PinCategory="int")

```

```

        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_6188"
    PinName="Hours24"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6189"
    PinName="Day"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6190"
    PinName="Month"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6191"
    PinName="Year"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_6192"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_6218'
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="RealWorldTime__GetCurrentOSTime")
Pins(0)=EdGraphPin'EdGraphPin_6183'
Pins(1)=EdGraphPin'EdGraphPin_6184'
Pins(2)=EdGraphPin'EdGraphPin_6185'
Pins(3)=EdGraphPin'EdGraphPin_6186'
Pins(4)=EdGraphPin'EdGraphPin_6187'
Pins(5)=EdGraphPin'EdGraphPin_6188'
Pins(6)=EdGraphPin'EdGraphPin_6189'
Pins(7)=EdGraphPin'EdGraphPin_6190'
Pins(8)=EdGraphPin'EdGraphPin_6191'
Pins(9)=EdGraphPin'EdGraphPin_6192'
NodePosX=144
NodePosY=-2064
NodeGuid=9057071747B70170030E4DA19760F8D5
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3099"
Begin Object Class=EdGraphPin Name="EdGraphPin_6213"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6214"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6215"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6216"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6217"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6218"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6219"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_6220"
End Object
Begin Object Name="EdGraphPin_6213"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_Event_327.EdGraphPin_6040'
End Object
Begin Object Name="EdGraphPin_6214"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_6215"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_6216"
    PinName="SaveDirectory"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_2466.EdGraphPin_5552'
End Object
Begin Object Name="EdGraphPin_6217"
    PinName="JoyfulFileName"
    PinType=(PinCategory="string")
    DefaultValue="start_time.txt"
End Object

```

```

Begin Object Name="EdGraphPin_6218"
  PinName="SaveText"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3098.EdGraphPin_6192'
End Object
Begin Object Name="EdGraphPin_6219"
  PinName="AllowOverWriting"
  PinType=(PinCategory="bool")
  DefaultValue="true"
  AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_6220"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="FileIO__SaveStringTextToFile")
Pins(0)=EdGraphPin'EdGraphPin_6213'
Pins(1)=EdGraphPin'EdGraphPin_6214'
Pins(2)=EdGraphPin'EdGraphPin_6215'
Pins(3)=EdGraphPin'EdGraphPin_6216'
Pins(4)=EdGraphPin'EdGraphPin_6217'
Pins(5)=EdGraphPin'EdGraphPin_6218'
Pins(6)=EdGraphPin'EdGraphPin_6219'
Pins(7)=EdGraphPin'EdGraphPin_6220'
NodePosX=544
NodePosY=-1664
NodeGuid=E7E488A34C17F0E3C9602198BDE344F2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_2466"
  Begin Object Class=EdGraphPin Name="EdGraphPin_5552"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_5553"
    End Object
  Begin Object Name="EdGraphPin_5552"
    PinName="File_Path"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_6216'
  End Object
  Begin Object Name="EdGraphPin_5553"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/begin_DCE.begin_DCE_C')
    bHidden=True
  End Object
  VariableReference=(MemberName="File_Path",bSelfContext=True)
  Pins(0)=EdGraphPin'EdGraphPin_5552'
  Pins(1)=EdGraphPin'EdGraphPin_5553'
  NodePosX=16
  NodePosY=-1728
  NodeGuid=32B6C472423FBA1313E044880A98C0D6
End Object

```

C.2 Training Level of the Virtual DCE Study

```

Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2305"
Begin Object Class=EdGraphPin Name="EdGraphPin_34459"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34458"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34457"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34456"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34455"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34454"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34453"
End Object
Begin Object Name="EdGraphPin_34459"
  PinName="bTeleport"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
  bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34458"
  PinName="SweepHitResult"
  Direction=EGPD_Output
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
  bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34457"
  PinName="bSweep"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
  bAdvancedView=True
End Object

```

```

Begin Object Name="EdGraphPin_34456"
  PinName="DeltaRotation"
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
  DefaultValue="0, 0, 0"
  AutogeneratedDefaultValue="0, 0, 0"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2306.EdGraphPin_34484'
End Object
Begin Object Name="EdGraphPin_34455"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SceneComponent')
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_122.EdGraphPin_34474'
End Object
Begin Object Name="EdGraphPin_34454"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34453"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_33392'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.SceneComponent',MemberName="K2_AddLocalRotation")
Pins(0)=EdGraphPin'EdGraphPin_34453'
Pins(1)=EdGraphPin'EdGraphPin_34454'
Pins(2)=EdGraphPin'EdGraphPin_34455'
Pins(3)=EdGraphPin'EdGraphPin_34456'
Pins(4)=EdGraphPin'EdGraphPin_34457'
Pins(5)=EdGraphPin'EdGraphPin_34458'
Pins(6)=EdGraphPin'EdGraphPin_34459'
NodePosX=-2864
NodePosY=4112
NodeGuid=ABCFE3BE4EB9AC48A172E8845057BFCC
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_122"
  Begin Object Class=EdGraphPin Name="EdGraphPin_34475"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34474"
    End Object
  Begin Object Name="EdGraphPin_34475"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_355.EdGraphPin_32716'
  End Object
  Begin Object Name="EdGraphPin_34474"
    PinName="StaticMeshComponent"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_34455'
  End Object
  VariableReference=(MemberParent=Class'/Script/Engine.StaticMeshActor',MemberName="StaticMeshComponent")
  Pins(0)=EdGraphPin'EdGraphPin_34474'
  Pins(1)=EdGraphPin'EdGraphPin_34475'
  NodePosX=-3808
  NodePosY=4176
  NodeGuid=26565D5143A12B10D923448071AE1176
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2306"
  Begin Object Class=EdGraphPin Name="EdGraphPin_34484"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34483"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34482"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34481"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34480"
    End Object
  Begin Object Name="EdGraphPin_34484"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_34456'
  End Object
  Begin Object Name="EdGraphPin_34483"
    PinName="Yaw"
    PinFriendlyName="Z (Yaw)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_InputAxisKeyEvent_39.EdGraphPin_32806'
  End Object
  Begin Object Name="EdGraphPin_34482"
    PinName="Pitch"
    PinFriendlyName="Y (Pitch)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
  End Object
  Begin Object Name="EdGraphPin_34481"
    PinName="Roll"
    PinFriendlyName="X (Roll)"

```



```

        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
    End Object
Begin Object Name="EdGraphPin_34480"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="MakeRotator")
Pins(0)=EdGraphPin'EdGraphPin_34480'
Pins(1)=EdGraphPin'EdGraphPin_34481'
Pins(2)=EdGraphPin'EdGraphPin_34482'
Pins(3)=EdGraphPin'EdGraphPin_34483'
Pins(4)=EdGraphPin'EdGraphPin_34484'
NodePosX=-3520
NodePosY=4224
NodeGuid=262A43634C6DF8ED9AA7F7B16E12843D
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_3834"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34497"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34496"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34495"
        End Object
    Begin Object Name="EdGraphPin_34497"
        PinName="DeltaSeconds"
        PinToolTip="Delta Seconds\nFloat"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
    End Object
    Begin Object Name="EdGraphPin_34496"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_32967'
    End Object
    Begin Object Name="EdGraphPin_34495"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick"))
    End Object
    EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick")
    bOverrideFunction=True
    Pins(0)=EdGraphPin'EdGraphPin_34495'
    Pins(1)=EdGraphPin'EdGraphPin_34496'
    Pins(2)=EdGraphPin'EdGraphPin_34497'
    NodePosX=-3824
    NodePosY=3552
    NodeGuid=122F52F54A7CBF784DFD888FA3DD7D6B
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_30"
    Begin Object Class=EdGraphPin Name="EdGraphPin_33393"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_33392"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_33391"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_33390"
        End Object
    Begin Object Name="EdGraphPin_33393"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_33392"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_34453'
    End Object
    Begin Object Name="EdGraphPin_33391"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_3020.EdGraphPin_33384'
    End Object
    Begin Object Name="EdGraphPin_33390"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_32970'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_33390'
    Pins(1)=EdGraphPin'EdGraphPin_33391'
    Pins(2)=EdGraphPin'EdGraphPin_33392'
    Pins(3)=EdGraphPin'EdGraphPin_33393'
    NodePosX=-3040
    NodePosY=3680

```

```

NodeGuid=3706B87A43324112D21438D3C0DE48D
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_26"
Begin Object Class=EdGraphPin Name="EdGraphPin_32738"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32737"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32736"
End Object
Begin Object Name="EdGraphPin_32738"
PinName="OtherActor"
PinToolTip="Other Actor\nActor Reference"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_32737"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_409.EdGraphPin_32994'
End Object
Begin Object Name="EdGraphPin_32736"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.level00_C',MemberName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBe
End Object
DelegatePropertyName="OnActorBeginOverlap"
DelegateOwnerClass=Class'/Script/Engine.Actor'
EventOwner=TriggerSphere'/Game/Maps/level00.level00.PersistentLevel.TriggerSphereA'
EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorBeginOverlapSignature___DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBeginOverlapSignature___DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_32736'
Pins(1)=EdGraphPin'EdGraphPin_32737'
Pins(2)=EdGraphPin'EdGraphPin_32738'
NodePosX=-4224
NodePosY=336
ErrorType=1
ErrorMsg="Error Found more than one function with the same name BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBeginOverlapSignature___DelegateSignature; second occurrence at OnActorBeginOverlap (T
NodeGuid=141896754BEF236211D030B31C693425
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_27"
Begin Object Class=EdGraphPin Name="EdGraphPin_32749"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32748"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32747"
End Object
Begin Object Name="EdGraphPin_32749"
PinName="OtherActor"
PinToolTip="Other Actor\nActor Reference"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_32748"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_956.EdGraphPin_33108'
End Object
Begin Object Name="EdGraphPin_32747"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.level00_C',MemberName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEn
End Object
DelegatePropertyName="OnActorEndOverlap"
DelegateOwnerClass=Class'/Script/Engine.Actor'
EventOwner=TriggerSphere'/Game/Maps/level00.level00.PersistentLevel.TriggerSphereA'
EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorEndOverlapSignature___DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEndOverlapSignature___DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_32747'
Pins(1)=EdGraphPin'EdGraphPin_32748'
Pins(2)=EdGraphPin'EdGraphPin_32749'
NodePosX=-4224
NodePosY=448
ErrorType=1
ErrorMsg="Error Found more than one function with the same name BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEndOverlapSignature___DelegateSignature; second occurrence at OnActorEndOverlap (Trigg
NodeGuid=E15BF8264B7E0207EC84EA8CF90F515C
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1069"
Begin Object Class=EdGraphPin Name="EdGraphPin_33379"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33378"
End Object
Begin Object Name="EdGraphPin_33379"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_33378"
PinName="insideA"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_32983'

```

```

End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33378'
Pins(1)=EdGraphPin'EdGraphPin_33379'
NodePosX=-3616
NodePosY=3776
NodeGuid=CD6A91C5411EE0FBD87977865CCFEF17
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_409"
Begin Object Class=EdGraphPin Name="EdGraphPin_32998"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32997"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32996"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32995"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32994"
End Object
Begin Object Name="EdGraphPin_32998"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level100.level100_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_32997"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_32996"
PinName="insideA"
PinType=(PinCategory="bool")
DefaultValue="true"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_32995"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_32994"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_26.EdGraphPin_32737'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_32994'
Pins(1)=EdGraphPin'EdGraphPin_32995'
Pins(2)=EdGraphPin'EdGraphPin_32996'
Pins(3)=EdGraphPin'EdGraphPin_32997'
Pins(4)=EdGraphPin'EdGraphPin_32998'
NodePosX=-3902
NodePosY=352
NodeGuid=29986DA1463E5E87624BF58722D68D05
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2212"
Begin Object Class=EdGraphPin Name="EdGraphPin_34510"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34509"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34508"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34507"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34506"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34505"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34504"
End Object
Begin Object Name="EdGraphPin_34510"
PinName="bTeleport"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34509"
PinName="SweepHitResult"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34508"
PinName="bSweep"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34507"
PinName="DeltaRotation"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')

```

```

        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2275.EdGraphPin_34535'
    End Object
    Begin Object Name="EdGraphPin_34506"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SceneComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_386.EdGraphPin_34525'
    End Object
    Begin Object Name="EdGraphPin_34505"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_34504"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_32984'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.SceneComponent',MemberName="K2_AddLocalRotation")
    Pins(0)=EdGraphPin'EdGraphPin_34504'
    Pins(1)=EdGraphPin'EdGraphPin_34505'
    Pins(2)=EdGraphPin'EdGraphPin_34506'
    Pins(3)=EdGraphPin'EdGraphPin_34507'
    Pins(4)=EdGraphPin'EdGraphPin_34508'
    Pins(5)=EdGraphPin'EdGraphPin_34509'
    Pins(6)=EdGraphPin'EdGraphPin_34510'
    NodePosX=-3216
    NodePosY=3888
    NodeGuid=4C05123F4A414D7272FC89801D3DA36D
    AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_386"
Begin Object Class=EdGraphPin Name="EdGraphPin_34526"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34525"
End Object
Begin Object Name="EdGraphPin_34526"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_804.EdGraphPin_32713'
End Object
Begin Object Name="EdGraphPin_34525"
    PinName="StaticMeshComponent"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_34506'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.StaticMeshActor',MemberName="StaticMeshComponent")
Pins(0)=EdGraphPin'EdGraphPin_34525'
Pins(1)=EdGraphPin'EdGraphPin_34526'
NodePosX=-3808
NodePosY=3952
NodeGuid=26438D724EC3B61F249C65A8D8106110
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2275"
Begin Object Class=EdGraphPin Name="EdGraphPin_34535"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34534"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34533"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34532"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34531"
End Object
Begin Object Name="EdGraphPin_34535"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_34507'
End Object
Begin Object Name="EdGraphPin_34534"
    PinName="Yaw"
    PinFriendlyName="Z (Yaw)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_InputAxisKeyEvent_92.EdGraphPin_32817'
End Object
Begin Object Name="EdGraphPin_34533"
    PinName="Pitch"
    PinFriendlyName="Y (Pitch)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_34532"
    PinName="Roll"
    PinFriendlyName="X (Roll)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"

```

```

End Object
Begin Object Name="EdGraphPin_34531"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="MakeRotator")
Pins(0)=EdGraphPin'EdGraphPin_34531'
Pins(1)=EdGraphPin'EdGraphPin_34532'
Pins(2)=EdGraphPin'EdGraphPin_34533'
Pins(3)=EdGraphPin'EdGraphPin_34534'
Pins(4)=EdGraphPin'EdGraphPin_34535'
NodePosX=-3520
NodePosY=4032
NodeGuid=BF6078064E55F551987B2CB4EF42D1DB
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2546"
Begin Object Class=EdGraphPin Name="EdGraphPin_32985"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32984"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32983"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32982"
End Object
Begin Object Name="EdGraphPin_32985"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_32984"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_34504'
End Object
Begin Object Name="EdGraphPin_32983"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1069.EdGraphPin_33378'
End Object
Begin Object Name="EdGraphPin_32982"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_32971'
End Object
Pins(0)=EdGraphPin'EdGraphPin_32982'
Pins(1)=EdGraphPin'EdGraphPin_32983'
Pins(2)=EdGraphPin'EdGraphPin_32984'
Pins(3)=EdGraphPin'EdGraphPin_32985'
NodePosX=-3440
NodePosY=3680
NodeGuid=D4722047431DFC3FAE1C749385E3077F
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_408"
Begin Object Class=EdGraphPin Name="EdGraphPin_32887"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32886"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32885"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32884"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32883"
End Object
Begin Object Name="EdGraphPin_32887"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_32886"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_32885"
    PinName="insideB"
    PinType=(PinCategory="bool")
    DefaultValue="true"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_32884"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object

```

```

Begin Object Name="EdGraphPin_32883"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_91.EdGraphPin_32780'
End Object
VariableReference=(MemberName="insideB",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_32883'
Pins(1)=EdGraphPin'EdGraphPin_32884'
Pins(2)=EdGraphPin'EdGraphPin_32885'
Pins(3)=EdGraphPin'EdGraphPin_32886'
Pins(4)=EdGraphPin'EdGraphPin_32887'
NodePosX=-3390
NodePosY=352
NodeGuid=55E749F14FB36DD0B07F659F47E31E6E
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_91"
Begin Object Class=EdGraphPin Name="EdGraphPin_32781"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32780"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32779"
End Object
Begin Object Name="EdGraphPin_32781"
    PinName="OtherActor"
    PinToolTip="Other Actor\nActor Reference"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_32780"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_408.EdGraphPin_32883'
End Object
Begin Object Name="EdGraphPin_32779"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.level00_C',MemberName="BndEvt__TriggerSphere2_6_K2Node_ActorBoundEvent_91_ActorBeginOverlapSignature__DelegateSignature")
End Object
DelegatePropertyName="OnActorBeginOverlap"
DelegateOwnerClass=Class'/Script/Engine.Actor'
EventOwner=TriggerSphere'/Game/Maps/level00.level00:PersistentLevel.TriggerSphereB'
EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorBeginOverlapSignature__DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt__TriggerSphere2_6_K2Node_ActorBoundEvent_91_ActorBeginOverlapSignature__DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_32779'
Pins(1)=EdGraphPin'EdGraphPin_32780'
Pins(2)=EdGraphPin'EdGraphPin_32781'
NodePosX=-3712
NodePosY=336
NodeGuid=ABC6BAB54E0CFBEF215E3E8FD793D003
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_111"
Begin Object Class=EdGraphPin Name="EdGraphPin_32792"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32791"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32790"
End Object
Begin Object Name="EdGraphPin_32792"
    PinName="OtherActor"
    PinToolTip="Other Actor\nActor Reference"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_32791"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_65.EdGraphPin_33093'
End Object
Begin Object Name="EdGraphPin_32790"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.level00_C',MemberName="BndEvt__TriggerSphere2_6_K2Node_ActorBoundEvent_111_ActorEndOverlapSignature__DelegateSignature")
End Object
DelegatePropertyName="OnActorEndOverlap"
DelegateOwnerClass=Class'/Script/Engine.Actor'
EventOwner=TriggerSphere'/Game/Maps/level00.level00:PersistentLevel.TriggerSphereB'
EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorEndOverlapSignature__DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt__TriggerSphere2_6_K2Node_ActorBoundEvent_111_ActorEndOverlapSignature__DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_32790'
Pins(1)=EdGraphPin'EdGraphPin_32791'
Pins(2)=EdGraphPin'EdGraphPin_32792'
NodePosX=-3712
NodePosY=448
NodeGuid=358F1AD84364259032E978863FF04755
End Object
Begin Object Class=K2Node_ExecutionSequence Name="K2Node_ExecutionSequence_298"
Begin Object Class=EdGraphPin Name="EdGraphPin_32971"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32970"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32969"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32968"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32967"
End Object
Begin Object Name="EdGraphPin_32971"
    PinName="then_3"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_32982'
End Object
Begin Object Name="EdGraphPin_32970"
    PinName="then_2"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_33390'
End Object
Begin Object Name="EdGraphPin_32969"
    PinName="then_1"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_15716.EdGraphPin_34819'
End Object
Begin Object Name="EdGraphPin_32968"
    PinName="then_0"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_34837'
End Object
Begin Object Name="EdGraphPin_32967"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_Event_3834.EdGraphPin_34496'
End Object
Pins(0)=EdGraphPin'EdGraphPin_32967'
Pins(1)=EdGraphPin'EdGraphPin_32968'
Pins(2)=EdGraphPin'EdGraphPin_32969'
Pins(3)=EdGraphPin'EdGraphPin_32970'
Pins(4)=EdGraphPin'EdGraphPin_32971'
NodePosX=-3616
NodePosY=3552
NodeGuid=9620367345E4B9C658880A983557D510
End Object
Begin Object Class=K2Node_InputAxisKeyEvent Name="K2Node_InputAxisKeyEvent_39"
Begin Object Class=EdGraphPin Name="EdGraphPin_32806"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32805"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32804"
End Object
Begin Object Name="EdGraphPin_32806"
    PinName="AxisValue"
    PinToolTip="Axis Value\nFloat"
    Direction=EGPD_Output
    PinType=(PinCategory="float")
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2306.EdGraphPin_34483'
End Object
Begin Object Name="EdGraphPin_32805"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_32804"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.level00_C',MemberName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21"))
End Object
AxisKey=Gamepad_RightY
EventReference=(MemberParent=Package'"/Script/Engine')
CustomFunctionName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21"
Pins(0)=EdGraphPin'EdGraphPin_32804'
Pins(1)=EdGraphPin'EdGraphPin_32805'
Pins(2)=EdGraphPin'EdGraphPin_32806'
NodePosX=-3776
NodePosY=4240
ErrorType=1
ErrorMsg="Error Found more than one function with the same name InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21; second occurrence at Gamepad Right Thumbstick Y-Axis \nError Found more than one fu
NodeGuid=B46F001B4E93E6D546F2158874A2287F
End Object
Begin Object Class=K2Node_InputAxisKeyEvent Name="K2Node_InputAxisKeyEvent_92"
Begin Object Class=EdGraphPin Name="EdGraphPin_32817"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32816"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32815"
End Object
Begin Object Name="EdGraphPin_32817"
    PinName="AxisValue"
    PinToolTip="Axis Value\nFloat"
    Direction=EGPD_Output
    PinType=(PinCategory="float")
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2275.EdGraphPin_34534'
End Object
Begin Object Name="EdGraphPin_32816"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")

```

```

End Object
Begin Object Name="EdGraphPin_32815"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level00.Level00_C',MemberName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_92"))
End Object
AxisKey=Gamepad_RightY
EventReference=(MemberParent=Package'"/Script/Engine')
CustomFunctionName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_92"
Pins(0)=EdGraphPin'EdGraphPin_32815'
Pins(1)=EdGraphPin'EdGraphPin_32816'
Pins(2)=EdGraphPin'EdGraphPin_32817'
NodePosX=-3776
NodePosY=4016
NodeGuid=545412E24D24015E1C551C96711DF95D
End Object
Begin Object Class=K2Node_SpawnActorFromClass Name="K2Node_SpawnActorFromClass_561"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34553"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34552"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34551"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34550"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34549"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34548"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34547"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34546"
        End Object
    Begin Object Name="EdGraphPin_34553"
        PinName="Instigator"
        PinToolTip="Instigator\nPawn Reference\n\nPawn responsible for damage caused by this actor."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Pawn')
    End Object
    Begin Object Name="EdGraphPin_34552"
        PinName="ReturnValue"
        PinToolTip="Return Value\nActor Reference\n\nThe spawned Actor"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    End Object
    Begin Object Name="EdGraphPin_34551"
        PinName="Owner"
        PinToolTip="Owner\nActor Reference\n\nCan be left empty; primarily used for replication (bNetUseOwnerRelevancy and bOnlyRelevantToOwner), or visibility (PrimitiveComponent's bOwnerNoSee/bOnlyOwnerSee)"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_34550"
        PinName="CollisionHandlingOverride"
        PinToolTip="Collision Handling Override\nESpawnActorCollisionHandlingMethod Enum\n\nSpecifies how to handle collisions at the spawn point. If undefined, uses actor class settings."
        PinType=(PinCategory="byte",PinSubCategoryObject=Enum'/Script/Engine.ESpawnActorCollisionHandlingMethod')
        DefaultValue="Undefined"
    End Object
    Begin Object Name="EdGraphPin_34549"
        PinName="SpawnTransform"
        PinToolTip="Spawn Transform\n\nThe transform to spawn the Actor with"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16657.EdGraphPin_34571'
    End Object
    Begin Object Name="EdGraphPin_34548"
        PinName="Class"
        PinToolTip="Class\nActor Class\n\nThe Actor class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/Engine.Actor')
        DefaultObject=Class'/Script/Engine.Actor'
    End Object
    Begin Object Name="EdGraphPin_34547"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_34546"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_32849'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_34546'
    Pins(1)=EdGraphPin'EdGraphPin_34547'
    Pins(2)=EdGraphPin'EdGraphPin_34548'
    Pins(3)=EdGraphPin'EdGraphPin_34549'
    Pins(4)=EdGraphPin'EdGraphPin_34550'
    Pins(5)=EdGraphPin'EdGraphPin_34551'
    Pins(6)=EdGraphPin'EdGraphPin_34552'
    Pins(7)=EdGraphPin'EdGraphPin_34553'
    NodePosX=-3248
    NodePosY=1664
    ErrorType=1
    ErrorMessage="Error Spawn node SpawnActor NONE must have a class specified."
    NodeGuid=ABC5D6024B8F11B43CFDA79459DA53C9
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16657"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34571"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34570"

```



```

End Object
Begin Object Name="EdGraphPin_34571"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
    LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_561.EdGraphPin_34549'
End Object
Begin Object Name="EdGraphPin_34570"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_309.EdGraphPin_32841'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="GetTransform",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34570'
Pins(1)=EdGraphPin'EdGraphPin_34571'
NodePosX=-3488
NodePosY=1824
NodeGuid=108DA33D4576C7C87B984BBD6D742CAB
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_204"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32918"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32917"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32916"
        End Object
    Begin Object Name="EdGraphPin_32918"
        PinName="Key"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
        DefaultValue="AnyKey"
    End Object
    Begin Object Name="EdGraphPin_32917"
        PinName="Released"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_32916"
        PinName="Pressed"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_32847'
    End Object
    InputActionName="Jump"
    Pins(0)=EdGraphPin'EdGraphPin_32916'
    Pins(1)=EdGraphPin'EdGraphPin_32917'
    Pins(2)=EdGraphPin'EdGraphPin_32918'
    NodePosX=-3808
    NodePosY=1616
    NodeGuid=B6FC70E8404F420C860470BA5AA5D5A6
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1845"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32911"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32910"
        End Object
    Begin Object Name="EdGraphPin_32911"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level100.level100_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_32910"
        PinName="insideA"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_32848'
    End Object
    VariableReference=(MemberName="insideA",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_32910'
    Pins(1)=EdGraphPin'EdGraphPin_32911'
    NodePosX=-3744
    NodePosY=1760
    NodeGuid=CEF1D76D49E3277221A74BA0F4014E07
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2330"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32850"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32849"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32848"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32847"
        End Object
    Begin Object Name="EdGraphPin_32850"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_32849"
        PinName="then"
        PinFriendlyName="true"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_561.EdGraphPin_34546'
    End Object
Begin Object Name="EdGraphPin_32848"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1845.EdGraphPin_32910'
End Object
Begin Object Name="EdGraphPin_32847"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputAction_204.EdGraphPin_32916'
End Object
Pins(0)=EdGraphPin'EdGraphPin_32847'
Pins(1)=EdGraphPin'EdGraphPin_32848'
Pins(2)=EdGraphPin'EdGraphPin_32849'
Pins(3)=EdGraphPin'EdGraphPin_32850'
NodePosX=-3552
NodePosY=1616
NodeGuid=BCD58C50429F74D63D1996B7A0547495
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_1"
Begin Object Class=EdGraphPin Name="EdGraphPin_34016"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34015"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34014"
End Object
Begin Object Name="EdGraphPin_34016"
    PinName="[]"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4243.EdGraphPin_32761'
End Object
Begin Object Name="EdGraphPin_34015"
    PinName="[]"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_752.EdGraphPin_32767'
End Object
Begin Object Name="EdGraphPin_34014"
    PinName="Array"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint',bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_34577'
End Object
NumInputs=2
Pins(0)=EdGraphPin'EdGraphPin_34014'
Pins(1)=EdGraphPin'EdGraphPin_34015'
Pins(2)=EdGraphPin'EdGraphPin_34016'
NodePosX=-3984
NodePosY=1136
NodeGuid=FD958BAE04E4576C8C63664874072BF16
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_54"
Begin Object Class=EdGraphPin Name="EdGraphPin_34579"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34578"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34577"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34576"
End Object
Begin Object Name="EdGraphPin_34579"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19647.EdGraphPin_34603'
End Object
Begin Object Name="EdGraphPin_34578"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4509.EdGraphPin_34596'
End Object
Begin Object Name="EdGraphPin_34577"
    PinName="TargetArray"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint',bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_34014'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_34576"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_34576'
Pins(1)=EdGraphPin'EdGraphPin_34577'
Pins(2)=EdGraphPin'EdGraphPin_34578'
Pins(3)=EdGraphPin'EdGraphPin_34579'

```

```

NodePosX=-3552
NodePosY=1168
NodeGuid=2D1BBB234D916C1224954599539624A6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4507"
Begin Object Class=EdGraphPin Name="EdGraphPin_34589"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34588"
End Object
Begin Object Name="EdGraphPin_34589"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4509.EdGraphPin_34595'
End Object
Begin Object Name="EdGraphPin_34588"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="RandomBool")
Pins(0)=EdGraphPin'EdGraphPin_34588'
Pins(1)=EdGraphPin'EdGraphPin_34589'
NodePosX=-3824
NodePosY=1200
NodeGuid=FEB3DFAF4E9ABDCE297277AB67C65049
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4509"
Begin Object Class=EdGraphPin Name="EdGraphPin_34596"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34595"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34594"
End Object
Begin Object Name="EdGraphPin_34596"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_34578'
End Object
Begin Object Name="EdGraphPin_34595"
PinName="InBool"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4507.EdGraphPin_34589'
End Object
Begin Object Name="EdGraphPin_34594"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Conv_BoolToInt")
Pins(0)=EdGraphPin'EdGraphPin_34594'
Pins(1)=EdGraphPin'EdGraphPin_34595'
Pins(2)=EdGraphPin'EdGraphPin_34596'
NodePosX=-3664
NodePosY=1213
NodeGuid=B016691B4369488447FC448EE3EFA0D6
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_752"
Begin Object Class=EdGraphPin Name="EdGraphPin_32767"
End Object
Begin Object Name="EdGraphPin_32767"
PinName="TargetPoint-1"
PinFriendlyName="TargetPoint-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_34015'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_34678'
End Object
ObjectRef=TargetPoint'/Game/Maps/level00.level00.PersistentLevel.TargetPoint1'
Pins(0)=EdGraphPin'EdGraphPin_32767'
NodePosX=-4224
NodePosY=976
NodeGuid=07C0AE64EDCC02820BB9C800F68C5F8
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4243"
Begin Object Class=EdGraphPin Name="EdGraphPin_32761"
End Object
Begin Object Name="EdGraphPin_32761"
PinName="TargetPoint-1"
PinFriendlyName="TargetPoint-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_34016'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_22927.EdGraphPin_34690'
End Object
ObjectRef=TargetPoint'/Game/Maps/level00.level00.PersistentLevel.TargetPoint2'

```

```

Pins(0)=EdGraphPin'EdGraphPin_32761'
NodePosX=-4224
NodePosY=1360
NodeGuid=437FF39F4365EB23F30D91BDC0D283DD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_19647"
Begin Object Class=EdGraphPin Name="EdGraphPin_34604"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34603"
End Object
Begin Object Name="EdGraphPin_34604"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_34612'
End Object
Begin Object Name="EdGraphPin_34603"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_34579'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34603'
Pins(1)=EdGraphPin'EdGraphPin_34604'
NodePosX=-3344
NodePosY=1136
NodeGuid=AC09606142CCA9AEB5BD926B713038
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5325"
Begin Object Class=EdGraphPin Name="EdGraphPin_34616"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34615"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34614"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34613"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34612"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34611"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34610"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34609"
End Object
Begin Object Name="EdGraphPin_34616"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34615"
PinName="bTeleport"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34614"
PinName="SweepHitResult"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_34613"
PinName="bSweep"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34612"
PinName="NewLocation"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
DefaultValue="0, 0, 0"
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19647.EdGraphPin_34604'
End Object
Begin Object Name="EdGraphPin_34611"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_494.EdGraphPin_32719'
End Object
Begin Object Name="EdGraphPin_34610"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_387.EdGraphPin_33135'
End Object
Begin Object Name="EdGraphPin_34609"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_33218'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)

```

```

Pins(0)=EdGraphPin'EdGraphPin_34609'
Pins(1)=EdGraphPin'EdGraphPin_34610'
Pins(2)=EdGraphPin'EdGraphPin_34611'
Pins(3)=EdGraphPin'EdGraphPin_34612'
Pins(4)=EdGraphPin'EdGraphPin_34613'
Pins(5)=EdGraphPin'EdGraphPin_34614'
Pins(6)=EdGraphPin'EdGraphPin_34615'
Pins(7)=EdGraphPin'EdGraphPin_34616'
NodePosX=-3056
NodePosY=1088
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node SetActorLocation from being scheduled"
NodeGuid=E1C1FB5844482AD6C6C2FE87EEB5925E
End Object
Begin Object Class=K2Node_ExecutionSequence Name="K2Node_ExecutionSequence_918"
Begin Object Class=EdGraphPin Name="EdGraphPin_33219"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33218"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33217"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33216"
End Object
Begin Object Name="EdGraphPin_33219"
PinName="then_2"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_32955'
End Object
Begin Object Name="EdGraphPin_33218"
PinName="then_1"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_34609'
End Object
Begin Object Name="EdGraphPin_33217"
PinName="then_0"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_7291.EdGraphPin_35176'
End Object
Begin Object Name="EdGraphPin_33216"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputKey_219.EdGraphPin_33468'
LinkedTo(1)=EdGraphPin'K2Node_Event_4370.EdGraphPin_34673'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33216'
Pins(1)=EdGraphPin'EdGraphPin_33217'
Pins(2)=EdGraphPin'EdGraphPin_33218'
Pins(3)=EdGraphPin'EdGraphPin_33219'
NodePosX=-3792
NodePosY=992
NodeGuid=AE47D4E34DA672511FAB76A5006D6C3D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6583"
Begin Object Class=EdGraphPin Name="EdGraphPin_34637"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34636"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34635"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34634"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34633"
End Object
Begin Object Name="EdGraphPin_34637"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_32956'
End Object
Begin Object Name="EdGraphPin_34636"
PinName="ErrorTolerance"
PinType=(PinCategory="float")
DefaultValue="0.1"
AutogeneratedDefaultValue="0.000100"
End Object
Begin Object Name="EdGraphPin_34635"
PinName="B"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
DefaultValue="0, 0, 0"
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6584.EdGraphPin_34685'
End Object
Begin Object Name="EdGraphPin_34634"
PinName="A"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
DefaultValue="0, 0, 0"
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_34679'
End Object
Begin Object Name="EdGraphPin_34633"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')

```

```

        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_VectorVector")
    Pins(0)=EdGraphPin'EdGraphPin_34633'
    Pins(1)=EdGraphPin'EdGraphPin_34634'
    Pins(2)=EdGraphPin'EdGraphPin_34635'
    Pins(3)=EdGraphPin'EdGraphPin_34636'
    Pins(4)=EdGraphPin'EdGraphPin_34637'
    NodePosX=-3040
    NodePosY=880
    NodeGuid=D352C6914F2DA6AC68AAADB2E877896D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4225"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34655"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34654"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34653"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34652"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34651"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34650"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34649"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34648"
        End Object
    Begin Object Name="EdGraphPin_34655"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_34654"
        PinName="bTeleport"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_34653"
        PinName="SweepHitResult"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
    End Object
    Begin Object Name="EdGraphPin_34652"
        PinName="bSweep"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_34651"
        PinName="NewLocation"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22927.EdGraphPin_34691'
    End Object
    Begin Object Name="EdGraphPin_34650"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_854.EdGraphPin_32733'
    End Object
    Begin Object Name="EdGraphPin_34649"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_34648"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_32957'
    End Object
    FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_34648'
    Pins(1)=EdGraphPin'EdGraphPin_34649'
    Pins(2)=EdGraphPin'EdGraphPin_34650'
    Pins(3)=EdGraphPin'EdGraphPin_34651'
    Pins(4)=EdGraphPin'EdGraphPin_34652'
    Pins(5)=EdGraphPin'EdGraphPin_34653'
    Pins(6)=EdGraphPin'EdGraphPin_34654'
    Pins(7)=EdGraphPin'EdGraphPin_34655'
    NodePosX=-2448
    NodePosY=1280
    NodeGuid=2CBAC8A44C97DBAA474540B7C4DA9A80
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_608"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32958"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32957"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_32956"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_32955"
End Object
Begin Object Name="EdGraphPin_32958"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_34696'
End Object
Begin Object Name="EdGraphPin_32957"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_34648'
End Object
Begin Object Name="EdGraphPin_32956"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_34637'
End Object
Begin Object Name="EdGraphPin_32955"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_33219'
End Object
Pins(0)=EdGraphPin'EdGraphPin_32955'
Pins(1)=EdGraphPin'EdGraphPin_32956'
Pins(2)=EdGraphPin'EdGraphPin_32957'
Pins(3)=EdGraphPin'EdGraphPin_32958'
NodePosX=-2880
NodePosY=976
NodeGuid=E2EFA8954E282AA678CEF2AC29763BCF
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_4370"
Begin Object Class=EdGraphPin Name="EdGraphPin_34673"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34672"
End Object
Begin Object Name="EdGraphPin_34673"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_33216'
End Object
Begin Object Name="EdGraphPin_34672"
  PinName="OutputDelegate"
  Direction=EGPD_Output
  PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay"))
End Object
EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_34672'
Pins(1)=EdGraphPin'EdGraphPin_34673'
NodePosX=-4128
NodePosY=736
NodeGuid=BB8317544B04CBACACFFC90EE03526B
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_219"
Begin Object Class=EdGraphPin Name="EdGraphPin_33470"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33469"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33468"
End Object
Begin Object Name="EdGraphPin_33470"
  PinName="Key"
  Direction=EGPD_Output
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
  DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33469"
  PinName="Released"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33468"
  PinName="Pressed"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_33216'
End Object
InputKey=Six
Pins(0)=EdGraphPin'EdGraphPin_33468'
Pins(1)=EdGraphPin'EdGraphPin_33469'
Pins(2)=EdGraphPin'EdGraphPin_33470'
NodePosX=-3920
NodePosY=992
NodeGuid=838FD21E49794D15FF4EA88962656BB3
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6585"
Begin Object Class=EdGraphPin Name="EdGraphPin_34679"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34678"

```

```

End Object
Begin Object Name="EdGraphPin_34679"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_34634'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_34699'
End Object
Begin Object Name="EdGraphPin_34678"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_752.EdGraphPin_32767'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34678'
Pins(1)=EdGraphPin'EdGraphPin_34679'
NodePosX=-3280
NodePosY=768
NodeGuid=0D00825440DE7C5375312C919D192541
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6584"
Begin Object Class=EdGraphPin Name="EdGraphPin_34685"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34684"
End Object
Begin Object Name="EdGraphPin_34685"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_34635'
End Object
Begin Object Name="EdGraphPin_34684"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_494.EdGraphPin_32719'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34684'
Pins(1)=EdGraphPin'EdGraphPin_34685'
NodePosX=-3280
NodePosY=864
NodeGuid=57BC68BA4E3CE9C1263FC6B2F8E1C878
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22927"
Begin Object Class=EdGraphPin Name="EdGraphPin_34691"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34690"
End Object
Begin Object Name="EdGraphPin_34691"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_34651'
End Object
Begin Object Name="EdGraphPin_34690"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4243.EdGraphPin_32761'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34690'
Pins(1)=EdGraphPin'EdGraphPin_34691'
NodePosX=-3392
NodePosY=1328
NodeGuid=141FC21E42341193E260F2A4C0A40B9F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4224"
Begin Object Class=EdGraphPin Name="EdGraphPin_34703"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34702"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34701"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34700"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34699"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34698"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34697"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34696"
End Object
Begin Object Name="EdGraphPin_34703"
    PinName="ReturnValue"

```



```

        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
Begin Object Name="EdGraphPin_34702"
    PinName="bTeleport"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34701"
    PinName="SweepHitResult"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_34700"
    PinName="bSweep"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34699"
    PinName="NewLocation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_34679'
End Object
Begin Object Name="EdGraphPin_34698"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_854.EdGraphPin_32733'
End Object
Begin Object Name="EdGraphPin_34697"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34696"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_32958'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34696'
Pins(1)=EdGraphPin'EdGraphPin_34697'
Pins(2)=EdGraphPin'EdGraphPin_34698'
Pins(3)=EdGraphPin'EdGraphPin_34699'
Pins(4)=EdGraphPin'EdGraphPin_34700'
Pins(5)=EdGraphPin'EdGraphPin_34701'
Pins(6)=EdGraphPin'EdGraphPin_34702'
Pins(7)=EdGraphPin'EdGraphPin_34703'
NodePosX=-2448
NodePosY=944
NodeGuid=6B98AEFC48C5120FB84C6880120F8A97
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4545"
Begin Object Class=EdGraphPin Name="EdGraphPin_32826"
End Object
Begin Object Name="EdGraphPin_32826"
    PinName="TriggerSphere-1"
    PinFriendlyName="TriggerSphere-1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_34746'
End Object
ObjectRef=TriggerSphere'/Game/Maps/Level100.Level100.PersistentLevel.TriggerSphereB'
Pins(0)=EdGraphPin'EdGraphPin_32826'
NodePosX=-2128
NodePosY=1424
NodeGuid=40AD93AA4FB068196E3741A59128E96B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22080"
Begin Object Class=EdGraphPin Name="EdGraphPin_34727"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34726"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34725"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34724"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34723"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34722"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34721"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34720"
End Object
Begin Object Name="EdGraphPin_34727"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"

```

```

End Object
Begin Object Name="EdGraphPin_34726"
    PinName="bTeleport"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34725"
    PinName="SweepHitResult"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_34724"
    PinName="bSweep"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34723"
    PinName="NewLocation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    DefaultValue="0, 120.000000, 143.000000"
    AutogeneratedDefaultValue="0, 0, 0"
End Object
Begin Object Name="EdGraphPin_34722"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4546.EdGraphPin_32829'
End Object
Begin Object Name="EdGraphPin_34721"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34720"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_34745'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34720'
Pins(1)=EdGraphPin'EdGraphPin_34721'
Pins(2)=EdGraphPin'EdGraphPin_34722'
Pins(3)=EdGraphPin'EdGraphPin_34723'
Pins(4)=EdGraphPin'EdGraphPin_34724'
Pins(5)=EdGraphPin'EdGraphPin_34725'
Pins(6)=EdGraphPin'EdGraphPin_34726'
Pins(7)=EdGraphPin'EdGraphPin_34727'
NodePosX=-1488
NodePosY=1184
NodeGuid=964F1F4242E712F2E38740B6A0F3C9CE
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22929"
Begin Object Class=EdGraphPin Name="EdGraphPin_34751"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34750"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34749"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34748"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34747"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34746"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34745"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34744"
End Object
Begin Object Name="EdGraphPin_34751"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34750"
    PinName="bTeleport"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34749"
    PinName="SweepHitResult"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_34748"
    PinName="bSweep"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_34747"
    PinName="NewLocation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')

```



```

    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.Level00_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_33111"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_33110"
    PinName="insideA"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_33109"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33108"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_27.EdGraphPin_32748'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33108'
Pins(1)=EdGraphPin'EdGraphPin_33109'
Pins(2)=EdGraphPin'EdGraphPin_33110'
Pins(3)=EdGraphPin'EdGraphPin_33111'
Pins(4)=EdGraphPin'EdGraphPin_33112'
NodePosX=-3909
NodePosY=464
NodeGuid=A8D3DD36411481663946090FDF9003A
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22079"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34772"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34771"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34770"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34769"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34768"
        End Object
    Begin Object Name="EdGraphPin_34772"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_387.EdGraphPin_33136'
    End Object
    Begin Object Name="EdGraphPin_34771"
        PinName="ErrorTolerance"
        PinType=(PinCategory="float")
        DefaultValue="0.1"
        AutogeneratedDefaultValue="0.000100"
    End Object
    Begin Object Name="EdGraphPin_34770"
        PinName="B"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_21981.EdGraphPin_34784'
    End Object
    Begin Object Name="EdGraphPin_34769"
        PinName="A"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        DefaultValue="0, -65.000000,144.000000"
        AutogeneratedDefaultValue="0, 0, 0"
    End Object
    Begin Object Name="EdGraphPin_34768"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_VectorVector")
    Pins(0)=EdGraphPin'EdGraphPin_34768'
    Pins(1)=EdGraphPin'EdGraphPin_34769'
    Pins(2)=EdGraphPin'EdGraphPin_34770'
    Pins(3)=EdGraphPin'EdGraphPin_34771'
    Pins(4)=EdGraphPin'EdGraphPin_34772'
    NodePosX=-2192
    NodePosY=800
    NodeGuid=CFDC365E4515EACF8D9E56AD90708D91
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_21981"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34784"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34783"

```

```

End Object
Begin Object Name="EdGraphPin_34784"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22079.EdGraphPin_34770'
End Object
Begin Object Name="EdGraphPin_34783"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_470.EdGraphPin_32758'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_34783'
Pins(1)=EdGraphPin'EdGraphPin_34784'
NodePosX=-2400
NodePosY=816
NodeGuid=790E8F8648EC5940E9D89E94BC977E37
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_387"
Begin Object Class=EdGraphPin Name="EdGraphPin_33138"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33137"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33136"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33135"
End Object
Begin Object Name="EdGraphPin_33138"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33137"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_34744'
End Object
Begin Object Name="EdGraphPin_33136"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22079.EdGraphPin_34772'
End Object
Begin Object Name="EdGraphPin_33135"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_34610'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33135'
Pins(1)=EdGraphPin'EdGraphPin_33136'
Pins(2)=EdGraphPin'EdGraphPin_33137'
Pins(3)=EdGraphPin'EdGraphPin_33138'
NodePosX=-2144
NodePosY=1136
NodeGuid=FB8C8DC44E65AC4E6F5B4F93D839EAC4
End Object
Begin Object Class=K2Node_SpawnActorFromClass Name="K2Node_SpawnActorFromClass_805"
Begin Object Class=EdGraphPin Name="EdGraphPin_34796"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34795"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34794"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34793"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34792"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34791"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34790"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34789"
End Object
Begin Object Name="EdGraphPin_34796"
    PinName="Instigator"
    PinToolTip="Instigator\nPawn Reference\n\nPawn responsible for damage caused by this actor."
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Pawn')
End Object
Begin Object Name="EdGraphPin_34795"
    PinName="ReturnValue"
    PinToolTip="Return Value\nActor Reference\n\nThe spawned Actor"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_34794"
    PinName="Owner"
    PinToolTip="Owner\nActor Reference\n\nCan be left empty; primarily used for replication (bNetUseOwnerRelevancy and bOnlyRelevantToOwner), or visibility (PrimitiveComponent's bOwnerNoSee/bOnlyOwnerSee)"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')

```

```

        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_34793"
        PinName="CollisionHandlingOverride"
        PinToolTip="Collision Handling Override\nSpawnActorCollisionHandlingMethod Enum\n\nSpecifies how to handle collisions at the spawn point. If undefined, uses actor class settings."
        PinType=(PinCategory="byte",PinSubCategoryObject=Enum'/Script/Engine.ESpawnActorCollisionHandlingMethod')
        DefaultValue="Undefined"
    End Object
    Begin Object Name="EdGraphPin_34792"
        PinName="SpawnTransform"
        PinToolTip="Spawn Transform\n\nThe transform to spawn the Actor with"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19425.EdGraphPin_34814'
    End Object
    Begin Object Name="EdGraphPin_34791"
        PinName="Class"
        PinToolTip="Class\nActor Class\n\nThe Actor class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/Engine.Actor')
        DefaultObject=Class'/Script/Engine.Actor'
    End Object
    Begin Object Name="EdGraphPin_34790"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_34789"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_33200'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_34789'
    Pins(1)=EdGraphPin'EdGraphPin_34790'
    Pins(2)=EdGraphPin'EdGraphPin_34791'
    Pins(3)=EdGraphPin'EdGraphPin_34792'
    Pins(4)=EdGraphPin'EdGraphPin_34793'
    Pins(5)=EdGraphPin'EdGraphPin_34794'
    Pins(6)=EdGraphPin'EdGraphPin_34795'
    Pins(7)=EdGraphPin'EdGraphPin_34796'
    NodePosX=-3232
    NodePosY=2064
    ErrorType=1
    ErrorMessage="Error Spawn node SpawnActor NONE must have a class specified."
    NodeGuid=045F5ECF4C22385992C3B6820E29685C
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_19425"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34814"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34813"
        End Object
    Begin Object Name="EdGraphPin_34814"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
        LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_805.EdGraphPin_34792'
    End Object
    Begin Object Name="EdGraphPin_34813"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_361.EdGraphPin_32844'
    End Object
    bIsPureFunc=True
    bIsConstFunc=True
    FunctionReference=(MemberName="GetTransform",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_34813'
    Pins(1)=EdGraphPin'EdGraphPin_34814'
    NodePosX=-3472
    NodePosY=2208
    NodeGuid=94249EE0483945DF427D599B49A9F296
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_561"
    Begin Object Class=EdGraphPin Name="EdGraphPin_33818"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_33817"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_33816"
        End Object
    Begin Object Name="EdGraphPin_33818"
        PinName="Key"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
        DefaultValue="AnyKey"
    End Object
    Begin Object Name="EdGraphPin_33817"
        PinName="Released"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_33816"
        PinName="Pressed"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_33198'
    End Object
    InputActionName="Jump"
    Pins(0)=EdGraphPin'EdGraphPin_33816'

```

```

Pins(1)=EdGraphPin'EdGraphPin_33817'
Pins(2)=EdGraphPin'EdGraphPin_33818'
NodePosX=-3792
NodePosY=2000
NodeGuid=93A6F14547A60E1378350CAE99B42395
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_526"
Begin Object Class=EdGraphPin Name="EdGraphPin_33201"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33200"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33199"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33198"
End Object
Begin Object Name="EdGraphPin_33201"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33200"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_805.EdGraphPin_34789'
End Object
Begin Object Name="EdGraphPin_33199"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1846.EdGraphPin_33210'
End Object
Begin Object Name="EdGraphPin_33198"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputAction_561.EdGraphPin_33816'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33198'
Pins(1)=EdGraphPin'EdGraphPin_33199'
Pins(2)=EdGraphPin'EdGraphPin_33200'
Pins(3)=EdGraphPin'EdGraphPin_33201'
NodePosX=-3536
NodePosY=2000
NodeGuid=ACEE52AD4D512882776AABA39356F4D8
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1846"
Begin Object Class=EdGraphPin Name="EdGraphPin_33211"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33210"
End Object
Begin Object Name="EdGraphPin_33211"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_33210"
PinName="insideB"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_33199'
End Object
VariableReference=(MemberName="insideB",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33210'
Pins(1)=EdGraphPin'EdGraphPin_33211'
NodePosX=-3744
NodePosY=2144
NodeGuid=3CCB424C45806C2762F9E29A74D22412
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_361"
Begin Object Class=EdGraphPin Name="EdGraphPin_32844"
End Object
Begin Object Name="EdGraphPin_32844"
PinName="TriggerSphere-1"
PinFriendlyName="TriggerSphere-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19425.EdGraphPin_34813'
End Object
ObjectRef=TriggerSphere'/Game/Maps/level00.level00:PersistentLevel.TriggerSphereB'
Pins(0)=EdGraphPin'EdGraphPin_32844'
NodePosX=-3744
NodePosY=2240
NodeGuid=B1F7EE884A7668608760AEB32FA18C23
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_309"
Begin Object Class=EdGraphPin Name="EdGraphPin_32841"
End Object
Begin Object Name="EdGraphPin_32841"
PinName="TriggerSphere-1"
PinFriendlyName="TriggerSphere-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16657.EdGraphPin_34570'
End Object
ObjectRef=TriggerSphere'/Game/Maps/level00.level00.PersistentLevel.TriggerSphereA'
Pins(0)=EdGraphPin'EdGraphPin_32841'
NodePosX=-3776
NodePosY=1856
NodeGuid=F18BA8014A68A5E8F28B2A9E06482255
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_459"
Begin Object Class=EdGraphPin Name="EdGraphPin_33246"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33245"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33244"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33243"
End Object
Begin Object Name="EdGraphPin_33246"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33245"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95953.EdGraphPin_34867'
End Object
Begin Object Name="EdGraphPin_33244"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_3037.EdGraphPin_33279'
End Object
Begin Object Name="EdGraphPin_33243"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputAction_1247.EdGraphPin_33255'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33243'
Pins(1)=EdGraphPin'EdGraphPin_33244'
Pins(2)=EdGraphPin'EdGraphPin_33245'
Pins(3)=EdGraphPin'EdGraphPin_33246'
NodePosX=-3408
NodePosY=3008
NodeGuid=E2577AB64B43FA66814BF99110948952
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_1247"
Begin Object Class=EdGraphPin Name="EdGraphPin_33257"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33256"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33255"
End Object
Begin Object Name="EdGraphPin_33257"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33256"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33255"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_459.EdGraphPin_33243'
End Object
InputActionName="Jump"
Pins(0)=EdGraphPin'EdGraphPin_33255'
Pins(1)=EdGraphPin'EdGraphPin_33256'
Pins(2)=EdGraphPin'EdGraphPin_33257'
NodePosX=-3616
NodePosY=2912
NodeGuid=8515BA75459CF065ABD5B38641AA8332
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_2987"
Begin Object Class=EdGraphPin Name="EdGraphPin_33826"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33825"
End Object
Begin Object Name="EdGraphPin_33826"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_33825"
PinName="insideA"
Direction=EGPD_Output
PinType=(PinCategory="bool")

```



```

        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin' K2Node_IfThenElse_458.EdGraphPin_33295'
    End Object
    VariableReference=(MemberName="insideA",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_33825'
    Pins(1)=EdGraphPin'EdGraphPin_33826'
    NodePosX=-3616
    NodePosY=2784
    NodeGuid=1F992F3848ED43AF73564C98BD112EB7
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_3037"
    Begin Object Class=EdGraphPin Name="EdGraphPin_33280"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33279"
            End Object
        End Object
        Begin Object Name="EdGraphPin_33280"
            PinName="self"
            PinFriendlyName="Target"
            PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level100.Level100_C')
            bHidden=True
        End Object
        Begin Object Name="EdGraphPin_33279"
            PinName="insideB"
            Direction=EGPD_Output
            PinType=(PinCategory="bool")
            AutogeneratedDefaultValue="false"
            LinkedTo(0)=EdGraphPin' K2Node_IfThenElse_459.EdGraphPin_33244'
        End Object
        VariableReference=(MemberName="insideB",bSelfContext=True)
        Pins(0)=EdGraphPin'EdGraphPin_33279'
        Pins(1)=EdGraphPin'EdGraphPin_33280'
        NodePosX=-3616
        NodePosY=3072
        NodeGuid=E2BBE4E34AD57E3A0349D7A8A636FF3F
    End Object
    Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_1946"
        Begin Object Class=EdGraphPin Name="EdGraphPin_33287"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33286"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33285"
            End Object
        Begin Object Name="EdGraphPin_33287"
            PinName="Key"
            Direction=EGPD_Output
            PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
            DefaultValue="AnyKey"
        End Object
        Begin Object Name="EdGraphPin_33286"
            PinName="Released"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
        End Object
        Begin Object Name="EdGraphPin_33285"
            PinName="Pressed"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
            LinkedTo(0)=EdGraphPin' K2Node_IfThenElse_458.EdGraphPin_33294'
        End Object
        InputActionName="Jump"
        Pins(0)=EdGraphPin'EdGraphPin_33285'
        Pins(1)=EdGraphPin'EdGraphPin_33286'
        Pins(2)=EdGraphPin'EdGraphPin_33287'
        NodePosX=-3616
        NodePosY=2640
        NodeGuid=3EEE32734275D0B874C997981C80FB6B
    End Object
    Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_458"
        Begin Object Class=EdGraphPin Name="EdGraphPin_33297"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33296"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33295"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_33294"
            End Object
        Begin Object Name="EdGraphPin_33297"
            PinName="else"
            PinFriendlyName="false"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
        End Object
        Begin Object Name="EdGraphPin_33296"
            PinName="then"
            PinFriendlyName="true"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
            LinkedTo(0)=EdGraphPin' K2Node_CallFunction_95953.EdGraphPin_34867'
        End Object
        Begin Object Name="EdGraphPin_33295"
            PinName="Condition"
            PinType=(PinCategory="bool")
            DefaultValue="false"
            AutogeneratedDefaultValue="true"
            LinkedTo(0)=EdGraphPin' K2Node_VariableGet_2987.EdGraphPin_33825'
        End Object
        Begin Object Name="EdGraphPin_33294"

```

```

        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_InputAction_1946.EdGraphPin_33285'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_33294'
    Pins(1)=EdGraphPin'EdGraphPin_33295'
    Pins(2)=EdGraphPin'EdGraphPin_33296'
    Pins(3)=EdGraphPin'EdGraphPin_33297'
    NodePosX=-3408
    NodePosY=2656
    NodeGuid=F8C798684589C4CFB59B08AB0005E0BD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_15716"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34824"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34823"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34822"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34821"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34820"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34819"
    End Object
    Begin Object Name="EdGraphPin_34824"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
    End Object
    Begin Object Name="EdGraphPin_34823"
        PinName="bRemovePrefixString"
        PinType=(PinCategory="bool")
        DefaultValue="true"
        AutogeneratedDefaultValue="true"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_34822"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_34821"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_34820"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_34819"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_32969'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetCurrentLevelName")
    Pins(0)=EdGraphPin'EdGraphPin_34819'
    Pins(1)=EdGraphPin'EdGraphPin_34820'
    Pins(2)=EdGraphPin'EdGraphPin_34821'
    Pins(3)=EdGraphPin'EdGraphPin_34822'
    Pins(4)=EdGraphPin'EdGraphPin_34823'
    Pins(5)=EdGraphPin'EdGraphPin_34824'
    NodePosX=-3232
    NodePosY=3536
    NodeGuid=CF4D3666499F2266A1FC9487C07263B5
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3887"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34842"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34841"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34840"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34839"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34838"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34837"
    End Object
    Begin Object Name="EdGraphPin_34842"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_34841"
        PinName="NewMaxMoveSpeed"
        PinType=(PinCategory="float")
        DefaultValue="125"
        AutogeneratedDefaultValue="0.0"
    End Object

```

```

Begin Object Name="EdGraphPin_34840"
  PinName="TheCharacter"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3888.EdGraphPin_34858'
End Object
Begin Object Name="EdGraphPin_34839"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
  DefaultObject=Default__VictoryBPFunctionLibrary
  bHidden=True
End Object
Begin Object Name="EdGraphPin_34838"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34837"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_32968'
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="CharacterMovement___SetMaxMoveSpeed")
Pins(0)=EdGraphPin'EdGraphPin_34837'
Pins(1)=EdGraphPin'EdGraphPin_34838'
Pins(2)=EdGraphPin'EdGraphPin_34839'
Pins(3)=EdGraphPin'EdGraphPin_34840'
Pins(4)=EdGraphPin'EdGraphPin_34841'
Pins(5)=EdGraphPin'EdGraphPin_34842'
NodePosX=-2992
NodePosY=3376
NodeGuid=7746D01C4EB21F22E5A6CAB1F7DC4E49
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3888"
  Begin Object Class=EdGraphPin Name="EdGraphPin_34858"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34857"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34856"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34855"
    End Object
  Begin Object Name="EdGraphPin_34858"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_34840'
  End Object
  Begin Object Name="EdGraphPin_34857"
    PinName="PlayerIndex"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_34856"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_34855"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetPlayerCharacter")
  Pins(0)=EdGraphPin'EdGraphPin_34855'
  Pins(1)=EdGraphPin'EdGraphPin_34856'
  Pins(2)=EdGraphPin'EdGraphPin_34857'
  Pins(3)=EdGraphPin'EdGraphPin_34858'
  NodePosX=-3552
  NodePosY=3408
  NodeGuid=C89A75924FE15DAC23588B99281E5D60
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_95953"
  Begin Object Class=EdGraphPin Name="EdGraphPin_34874"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34873"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34872"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34871"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34870"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34869"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34868"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34867"
    End Object
  Begin Object Name="EdGraphPin_34874"
    PinName="StartTime"
    PinType=(PinCategory="float")
    DefaultValue="0.000000"

```

```

        AutogeneratedDefaultValue="0.000000"
        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_34873"
    PinName="PitchMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34872"
    PinName="VolumeMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34871"
    PinName="Sound"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
    DefaultObject=SoundWave'/Game/Mario_Coin.Mario_Coin'
End Object
Begin Object Name="EdGraphPin_34870"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34869"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34868"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34867"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_458.EdGraphPin_33296'
    LinkedTo(1)=EdGraphPin'K2Node_IfThenElse_459.EdGraphPin_33245'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
Pins(0)=EdGraphPin'EdGraphPin_34867'
Pins(1)=EdGraphPin'EdGraphPin_34868'
Pins(2)=EdGraphPin'EdGraphPin_34869'
Pins(3)=EdGraphPin'EdGraphPin_34870'
Pins(4)=EdGraphPin'EdGraphPin_34871'
Pins(5)=EdGraphPin'EdGraphPin_34872'
Pins(6)=EdGraphPin'EdGraphPin_34873'
Pins(7)=EdGraphPin'EdGraphPin_34874'
NodePosX=-3168
NodePosY=2816
NodeGuid=475C13FA48BF5B0A1B53E4851DE2A10A
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4546"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32829"
        End Object
        Begin Object Name="EdGraphPin_32829"
            PinName="TriggerSphere-1"
            PinFriendlyName="TriggerSphere-1"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
            LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22880.EdGraphPin_34722'
        End Object
        ObjectRef=TriggerSphere'/Game/Maps/level00.level00.PersistentLevel.TriggerSphereA'
        Pins(0)=EdGraphPin'EdGraphPin_32829'
        NodePosX=-1712
        NodePosY=1424
        NodeGuid=6F24517E4ABBC2355159E09E5DCC3C63
    End Object
    Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_3020"
        Begin Object Class=EdGraphPin Name="EdGraphPin_33385"
            End Object
            Begin Object Class=EdGraphPin Name="EdGraphPin_33384"
                End Object
                Begin Object Name="EdGraphPin_33385"
                    PinName="self"
                    PinFriendlyName="Target"
                    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00.C')
                    bHidden=True
                End Object
                Begin Object Name="EdGraphPin_33384"
                    PinName="insideB"
                    Direction=EGPD_Output
                    PinType=(PinCategory="bool")
                    AutogeneratedDefaultValue="false"
                    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_33391'
                End Object
                VariableReference=(MemberName="insideB",bSelfContext=True)
                Pins(0)=EdGraphPin'EdGraphPin_33384'
                Pins(1)=EdGraphPin'EdGraphPin_33385'
                NodePosX=-3216

```

```

NodePosY=3776
NodeGuid=866844834CD442539663518717CD4CBC
End Object
Begin Object Class=K2Node_Select Name="K2Node_Select_6"
  Begin Object Class=EdGraphPin Name="EdGraphPin_34052"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34051"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34050"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34049"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34048"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34047"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34046"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34045"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34044"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34043"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34042"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34041"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34040"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34039"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34038"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34037"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34036"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34035"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34034"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34033"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34032"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34031"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34030"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34029"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34028"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34027"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34026"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34025"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34024"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_34023"
  End Object
  Begin Object Name="EdGraphPin_34052"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="name")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3669.EdGraphPin_34907'
  End Object
  Begin Object Name="EdGraphPin_34051"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4397.EdGraphPin_34894'
  End Object
  Begin Object Name="EdGraphPin_34050"
    PinName="Option 27"
    PinType=(PinCategory="name")
    DefaultValue="level28"
  End Object
  Begin Object Name="EdGraphPin_34049"
    PinName="Option 26"
    PinType=(PinCategory="name")
    DefaultValue="level27"
  End Object
  Begin Object Name="EdGraphPin_34048"
    PinName="Option 25"
    PinType=(PinCategory="name")
    DefaultValue="level26"
  End Object
  Begin Object Name="EdGraphPin_34047"
    PinName="Option 24"
    PinType=(PinCategory="name")
    DefaultValue="level25"
  End Object
  Begin Object Name="EdGraphPin_34046"

```

```

        PinName="Option 23"
        PinType=(PinCategory="name")
        DefaultValue="level24"
    End Object
Begin Object Name="EdGraphPin_34045"
    PinName="Option 22"
    PinType=(PinCategory="name")
    DefaultValue="level23"
End Object
Begin Object Name="EdGraphPin_34044"
    PinName="Option 21"
    PinType=(PinCategory="name")
    DefaultValue="level22"
End Object
Begin Object Name="EdGraphPin_34043"
    PinName="Option 20"
    PinType=(PinCategory="name")
    DefaultValue="level21"
End Object
Begin Object Name="EdGraphPin_34042"
    PinName="Option 19"
    PinType=(PinCategory="name")
    DefaultValue="level20"
End Object
Begin Object Name="EdGraphPin_34041"
    PinName="Option 18"
    PinType=(PinCategory="name")
    DefaultValue="level19"
End Object
Begin Object Name="EdGraphPin_34040"
    PinName="Option 17"
    PinType=(PinCategory="name")
    DefaultValue="level18"
End Object
Begin Object Name="EdGraphPin_34039"
    PinName="Option 16"
    PinType=(PinCategory="name")
    DefaultValue="level17"
End Object
Begin Object Name="EdGraphPin_34038"
    PinName="Option 15"
    PinType=(PinCategory="name")
    DefaultValue="level16"
End Object
Begin Object Name="EdGraphPin_34037"
    PinName="Option 14"
    PinType=(PinCategory="name")
    DefaultValue="level15"
End Object
Begin Object Name="EdGraphPin_34036"
    PinName="Option 13"
    PinType=(PinCategory="name")
    DefaultValue="level14"
End Object
Begin Object Name="EdGraphPin_34035"
    PinName="Option 12"
    PinType=(PinCategory="name")
    DefaultValue="level13"
End Object
Begin Object Name="EdGraphPin_34034"
    PinName="Option 11"
    PinType=(PinCategory="name")
    DefaultValue="level12"
End Object
Begin Object Name="EdGraphPin_34033"
    PinName="Option 10"
    PinType=(PinCategory="name")
    DefaultValue="level11"
End Object
Begin Object Name="EdGraphPin_34032"
    PinName="Option 9"
    PinType=(PinCategory="name")
    DefaultValue="level10"
End Object
Begin Object Name="EdGraphPin_34031"
    PinName="Option 8"
    PinType=(PinCategory="name")
    DefaultValue="level09"
End Object
Begin Object Name="EdGraphPin_34030"
    PinName="Option 7"
    PinType=(PinCategory="name")
    DefaultValue="level08"
End Object
Begin Object Name="EdGraphPin_34029"
    PinName="Option 6"
    PinType=(PinCategory="name")
    DefaultValue="level07"
End Object
Begin Object Name="EdGraphPin_34028"
    PinName="Option 5"
    PinType=(PinCategory="name")
    DefaultValue="level06"
End Object
Begin Object Name="EdGraphPin_34027"
    PinName="Option 4"
    PinType=(PinCategory="name")

```

```

        DefaultValue="level05"
    End Object
    Begin Object Name="EdGraphPin_34026"
        PinName="Option 3"
        PinType=(PinCategory="name")
        DefaultValue="level04"
    End Object
    Begin Object Name="EdGraphPin_34025"
        PinName="Option 2"
        PinType=(PinCategory="name")
        DefaultValue="level03"
    End Object
    Begin Object Name="EdGraphPin_34024"
        PinName="Option 1"
        PinType=(PinCategory="name")
        DefaultValue="level02"
    End Object
    Begin Object Name="EdGraphPin_34023"
        PinName="Option 0"
        PinType=(PinCategory="name")
        DefaultValue="level01"
    End Object
    NumOptionPins=28
    IndexPinType=(PinCategory="int",PinSubCategory=)
    Pins(0)=EdGraphPin'EdGraphPin_34023'
    Pins(1)=EdGraphPin'EdGraphPin_34024'
    Pins(2)=EdGraphPin'EdGraphPin_34025'
    Pins(3)=EdGraphPin'EdGraphPin_34026'
    Pins(4)=EdGraphPin'EdGraphPin_34027'
    Pins(5)=EdGraphPin'EdGraphPin_34028'
    Pins(6)=EdGraphPin'EdGraphPin_34029'
    Pins(7)=EdGraphPin'EdGraphPin_34030'
    Pins(8)=EdGraphPin'EdGraphPin_34031'
    Pins(9)=EdGraphPin'EdGraphPin_34032'
    Pins(10)=EdGraphPin'EdGraphPin_34033'
    Pins(11)=EdGraphPin'EdGraphPin_34034'
    Pins(12)=EdGraphPin'EdGraphPin_34035'
    Pins(13)=EdGraphPin'EdGraphPin_34036'
    Pins(14)=EdGraphPin'EdGraphPin_34037'
    Pins(15)=EdGraphPin'EdGraphPin_34038'
    Pins(16)=EdGraphPin'EdGraphPin_34039'
    Pins(17)=EdGraphPin'EdGraphPin_34040'
    Pins(18)=EdGraphPin'EdGraphPin_34041'
    Pins(19)=EdGraphPin'EdGraphPin_34042'
    Pins(20)=EdGraphPin'EdGraphPin_34043'
    Pins(21)=EdGraphPin'EdGraphPin_34044'
    Pins(22)=EdGraphPin'EdGraphPin_34045'
    Pins(23)=EdGraphPin'EdGraphPin_34046'
    Pins(24)=EdGraphPin'EdGraphPin_34047'
    Pins(25)=EdGraphPin'EdGraphPin_34048'
    Pins(26)=EdGraphPin'EdGraphPin_34049'
    Pins(27)=EdGraphPin'EdGraphPin_34050'
    Pins(28)=EdGraphPin'EdGraphPin_34051'
    Pins(29)=EdGraphPin'EdGraphPin_34052'
    NodePosX=1888
    NodePosY=1072
    NodeGuid=23715408407F42663B34CA926AC86E7B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4397"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34894"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34893"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34892"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34891"
    End Object
    Begin Object Name="EdGraphPin_34894"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_Select_6.EdGraphPin_34051'
    End Object
    Begin Object Name="EdGraphPin_34893"
        PinName="Max"
        PinType=(PinCategory="int")
        DefaultValue="27"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_34892"
        PinName="Min"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_34891"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="RandomIntegerInRange")
    Pins(0)=EdGraphPin'EdGraphPin_34891'
    Pins(1)=EdGraphPin'EdGraphPin_34892'

```

```

Pins(2)=EdGraphPin'EdGraphPin_34893'
Pins(3)=EdGraphPin'EdGraphPin_34894'
NodePosX=1568
NodePosY=1872
NodeGuid=5D11E7C646148E78B50306A9A01C2BB9
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3669"
Begin Object Class=EdGraphPin Name="EdGraphPin_34909"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34908"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34907"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34906"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34905"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34904"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34903"
End Object
Begin Object Name="EdGraphPin_34909"
PinName="Options"
PinType=(PinCategory="string")
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34908"
PinName="bAbsolute"
PinType=(PinCategory="bool")
DefaultValue="true"
AutogeneratedDefaultValue="true"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_34907"
PinName="LevelName"
PinType=(PinCategory="name")
DefaultValue="None"
AutogeneratedDefaultValue="None"
LinkedTo(0)=EdGraphPin'K2Node_Select_6.EdGraphPin_34052'
End Object
Begin Object Name="EdGraphPin_34906"
PinName="WorldContextObject"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
bHidden=True
End Object
Begin Object Name="EdGraphPin_34905"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
DefaultObject=Default__GameplayStatics
bHidden=True
End Object
Begin Object Name="EdGraphPin_34904"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_34903"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_35231'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="OpenLevel")
Pins(0)=EdGraphPin'EdGraphPin_34903'
Pins(1)=EdGraphPin'EdGraphPin_34904'
Pins(2)=EdGraphPin'EdGraphPin_34905'
Pins(3)=EdGraphPin'EdGraphPin_34906'
Pins(4)=EdGraphPin'EdGraphPin_34907'
Pins(5)=EdGraphPin'EdGraphPin_34908'
Pins(6)=EdGraphPin'EdGraphPin_34909'
NodePosX=2416
NodePosY=960
NodeGuid=07E850114820C92E130679A011E60ADC
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_470"
Begin Object Class=EdGraphPin Name="EdGraphPin_32758"
End Object
Begin Object Name="EdGraphPin_32758"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_21981.EdGraphPin_34783'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/level00.level00:PersistentLevel.Cube1'
Pins(0)=EdGraphPin'EdGraphPin_32758'
NodePosX=-2704
NodePosY=848
NodeGuid=9D1AC53543B391522F676EA47F828237
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_494"
Begin Object Class=EdGraphPin Name="EdGraphPin_32719"
End Object
Begin Object Name="EdGraphPin_32719"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"

```



```

        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6584.EdGraphPin_34684'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_34611'
    End Object
    ObjectRef=StaticMeshActor'/Game/Maps/level100.level100:PersistentLevel.Cube1'
    Pins(0)=EdGraphPin'EdGraphPin_32719'
    NodePosX=-3504
    NodePosY=976
    NodeGuid=4726992B413582C608F466BE652766FF
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_355"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32716"
    End Object
    Begin Object Name="EdGraphPin_32716"
        PinName="StaticMeshActor-1"
        PinFriendlyName="StaticMeshActor-1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_122.EdGraphPin_34475'
    End Object
    ObjectRef=StaticMeshActor'/Game/Maps/level100.level100:PersistentLevel.Cube1'
    Pins(0)=EdGraphPin'EdGraphPin_32716'
    NodePosX=-4080
    NodePosY=4176
    NodeGuid=6E094EBD4E285AF3559DD2AF1AB17DD3
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_854"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32733"
    End Object
    Begin Object Name="EdGraphPin_32733"
        PinName="StaticMeshActor13"
        PinFriendlyName="StaticMeshActor13"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_34698'
        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_34650'
    End Object
    ObjectRef=StaticMeshActor'/Game/Maps/level100.level100:PersistentLevel.Cube2_13'
    Pins(0)=EdGraphPin'EdGraphPin_32733'
    NodePosX=-2736
    NodePosY=1328
    NodeGuid=E1B1977C494C37263CABBD86A3784E1B
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_804"
    Begin Object Class=EdGraphPin Name="EdGraphPin_32713"
    End Object
    Begin Object Name="EdGraphPin_32713"
        PinName="StaticMeshActor13"
        PinFriendlyName="StaticMeshActor13"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_386.EdGraphPin_34526'
    End Object
    ObjectRef=StaticMeshActor'/Game/Maps/level100.level100:PersistentLevel.Cube2_13'
    Pins(0)=EdGraphPin'EdGraphPin_32713'
    NodePosX=-4064
    NodePosY=3952
    NodeGuid=77A4995C44C570C8C1A751958531651C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6810"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34929"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34928"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34927"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34926"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34925"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34924"
    End Object
    Begin Object Name="EdGraphPin_34929"
        PinName="LatentInfo"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
        DefaultValue="LatentInfo"
        AutogeneratedDefaultValue="LatentInfo"
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_34928"
        PinName="Duration"
        PinType=(PinCategory="float")
        DefaultValue="1"
        AutogeneratedDefaultValue="0.2"
    End Object
    Begin Object Name="EdGraphPin_34927"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_34926"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
        DefaultObject=Default__KismetSystemLibrary
        bHidden=True
    End Object

```

```

End Object
Begin Object Name="EdGraphPin_34925"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_35230'
End Object
Begin Object Name="EdGraphPin_34924"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputKey_529.EdGraphPin_33501'
    LinkedTo(1)=EdGraphPin'K2Node_InputKey_462.EdGraphPin_33510'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_34924'
Pins(1)=EdGraphPin'EdGraphPin_34925'
Pins(2)=EdGraphPin'EdGraphPin_34926'
Pins(3)=EdGraphPin'EdGraphPin_34927'
Pins(4)=EdGraphPin'EdGraphPin_34928'
Pins(5)=EdGraphPin'EdGraphPin_34929'
NodePosX=1424
NodePosY=976
NodeGuid=E299941D4B8B8000D2C4DF89546D75DA
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_529"
Begin Object Class=EdGraphPin Name="EdGraphPin_33503"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33502"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33501"
End Object
Begin Object Name="EdGraphPin_33503"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33502"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33501"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6810.EdGraphPin_34924'
End Object
InputKey=Gamepad_Special_Right
Pins(0)=EdGraphPin'EdGraphPin_33501'
Pins(1)=EdGraphPin'EdGraphPin_33502'
Pins(2)=EdGraphPin'EdGraphPin_33503'
NodePosX=1168
NodePosY=864
NodeGuid=56BD014D46EB4A66A8C1A5935ACC31FE
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_462"
Begin Object Class=EdGraphPin Name="EdGraphPin_33512"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33511"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33510"
End Object
Begin Object Name="EdGraphPin_33512"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33511"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33510"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6810.EdGraphPin_34924'
End Object
InputKey=Q
Pins(0)=EdGraphPin'EdGraphPin_33510'
Pins(1)=EdGraphPin'EdGraphPin_33511'
Pins(2)=EdGraphPin'EdGraphPin_33512'
NodePosX=1296
NodePosY=1056
NodeGuid=1CB7CA624FA6C5693C0007ABA1FB43C8
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_96184"
Begin Object Class=EdGraphPin Name="EdGraphPin_34947"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34946"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34945"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34944"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34943"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34942"
End Object
Begin Object Name="EdGraphPin_34947"
    PinName="LatentInfo"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"
    AutogeneratedDefaultValue="LatentInfo"
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34946"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="15"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_34945"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34944"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
    DefaultObject=Default__KismetSystemLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34943"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95294.EdGraphPin_34960'
End Object
Begin Object Name="EdGraphPin_34942"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_351.EdGraphPin_33784'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_34942'
Pins(1)=EdGraphPin'EdGraphPin_34943'
Pins(2)=EdGraphPin'EdGraphPin_34944'
Pins(3)=EdGraphPin'EdGraphPin_34945'
Pins(4)=EdGraphPin'EdGraphPin_34946'
Pins(5)=EdGraphPin'EdGraphPin_34947'
NodePosX=-304
NodePosY=352
NodeGuid=92437509456F047329223891AE851898
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_95294"
Begin Object Class=EdGraphPin Name="EdGraphPin_34963"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34962"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34961"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34960"
End Object
Begin Object Name="EdGraphPin_34963"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Instructions/Inst_7_1.Inst_7_1'
End Object
Begin Object Name="EdGraphPin_34962"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_58080.EdGraphPin_34972'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_58081.EdGraphPin_34978'
End Object
Begin Object Name="EdGraphPin_34961"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4726.EdGraphPin_35110'
End Object
Begin Object Name="EdGraphPin_34960"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_96184.EdGraphPin_34943'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_4727.EdGraphPin_35135'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_34960'
Pins(1)=EdGraphPin'EdGraphPin_34961'
Pins(2)=EdGraphPin'EdGraphPin_34962'
Pins(3)=EdGraphPin'EdGraphPin_34963'
NodePosX=-48
NodePosY=560
NodeGuid=98E04C7341D96A0BD759C3A303907AE4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_58080"
Begin Object Class=EdGraphPin Name="EdGraphPin_34973"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34972"
End Object
Begin Object Name="EdGraphPin_34973"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_25082.EdGraphPin_32776'
End Object
Begin Object Name="EdGraphPin_34972"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95294.EdGraphPin_34962'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_34972'
Pins(1)=EdGraphPin'EdGraphPin_34973'
NodePosX=-304
NodePosY=656
NodeGuid=3C1E12E3427322647A213FA8C693E974
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_25082"
Begin Object Class=EdGraphPin Name="EdGraphPin_32776"
End Object
Begin Object Name="EdGraphPin_32776"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_58080.EdGraphPin_34973'
End Object
ObjectRef=DecalActor'/Game/Maps/level00.level00.PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_32776'
NodePosX=-528
NodePosY=656
NodeGuid=BB0C435445C14844039ABD90260E288A
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_25083"
Begin Object Class=EdGraphPin Name="EdGraphPin_32773"
End Object
Begin Object Name="EdGraphPin_32773"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_58081.EdGraphPin_34979'
End Object
ObjectRef=DecalActor'/Game/Maps/level00.level00.PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_32773'
NodePosX=-528
NodePosY=720
NodeGuid=060F1A8E4BFE53661AB47388FCD6B766
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_58081"
Begin Object Class=EdGraphPin Name="EdGraphPin_34979"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34978"
End Object
Begin Object Name="EdGraphPin_34979"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_25083.EdGraphPin_32773'
End Object
Begin Object Name="EdGraphPin_34978"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95294.EdGraphPin_34962'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_34978'
Pins(1)=EdGraphPin'EdGraphPin_34979'
NodePosX=-304
NodePosY=720
NodeGuid=744636C745965600888B7982016A0FA7
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_93408"
Begin Object Class=EdGraphPin Name="EdGraphPin_34989"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34988"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34987"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34986"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34985"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_34984"
End Object
Begin Object Name="EdGraphPin_34989"
    PinName="LatentInfo"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"

```

```

        AutogeneratedDefaultValue="LatentInfo"
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_34988"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="120"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_34987"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34986"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
    DefaultObject=Default__KismetSystemLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_34985"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18556.EdGraphPin_35152'
End Object
Begin Object Name="EdGraphPin_34984"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_7291.EdGraphPin_35177'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_34984'
Pins(1)=EdGraphPin'EdGraphPin_34985'
Pins(2)=EdGraphPin'EdGraphPin_34986'
Pins(3)=EdGraphPin'EdGraphPin_34987'
Pins(4)=EdGraphPin'EdGraphPin_34988'
Pins(5)=EdGraphPin'EdGraphPin_34989'
NodePosX=-3072
NodePosY=576
NodeGuid=566C4077496B24838FBCA4B33454010C
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_36"
Begin Object Class=EdGraphPin Name="EdGraphPin_35005"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35004"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35003"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35002"
End Object
Begin Object Name="EdGraphPin_35005"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33632'
End Object
Begin Object Name="EdGraphPin_35004"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="1"
End Object
Begin Object Name="EdGraphPin_35003"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_148.EdGraphPin_33645'
End Object
Begin Object Name="EdGraphPin_35002"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Add_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_35002'
Pins(1)=EdGraphPin'EdGraphPin_35003'
Pins(2)=EdGraphPin'EdGraphPin_35004'
Pins(3)=EdGraphPin'EdGraphPin_35005'
NodePosX=-2624
NodePosY=352
NodeGuid=C18717A64D47EEF2587B7A8F55D081B0
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_117"
Begin Object Class=EdGraphPin Name="EdGraphPin_33634"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33633"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33632"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_33631"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33630"
End Object
Begin Object Name="EdGraphPin_33634"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.Level00_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_33633"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_35015'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_35027'
End Object
Begin Object Name="EdGraphPin_33632"
    PinName="Counter"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_35005'
End Object
Begin Object Name="EdGraphPin_33631"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_33675'
End Object
Begin Object Name="EdGraphPin_33630"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputKey_588.EdGraphPin_33699'
    LinkedTo(1)=EdGraphPin'K2Node_InputKey_1035.EdGraphPin_33708'
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33630'
Pins(1)=EdGraphPin'EdGraphPin_33631'
Pins(2)=EdGraphPin'EdGraphPin_33632'
Pins(3)=EdGraphPin'EdGraphPin_33633'
Pins(4)=EdGraphPin'EdGraphPin_33634'
NodePosX=-2464
NodePosY=240
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
NodeGuid=782A27D248A58144A1E1019147AFDE1F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_148"
Begin Object Class=EdGraphPin Name="EdGraphPin_33646"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33645"
End Object
Begin Object Name="EdGraphPin_33646"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.Level00_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_33645"
    PinName="Counter"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_35003'
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33645'
Pins(1)=EdGraphPin'EdGraphPin_33646'
NodePosX=-2800
NodePosY=432
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Get Counter \\nError The property associated with Counter could not be fo
NodeGuid=4F936BC94EAE035580D48C990B54ECA0
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3077"
Begin Object Class=EdGraphPin Name="EdGraphPin_35017"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35016"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35015"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35014"
End Object
Begin Object Name="EdGraphPin_35017"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_33676'
End Object
Begin Object Name="EdGraphPin_35016"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="1"

```

```

    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35015"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33633'
End Object
Begin Object Name="EdGraphPin_35014"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_35014'
Pins(1)=EdGraphPin'EdGraphPin_35015'
Pins(2)=EdGraphPin'EdGraphPin_35016'
Pins(3)=EdGraphPin'EdGraphPin_35017'
NodePosX=-2256
NodePosY=240
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=404A467343F937DF3BD131A51489BA58
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3076"
Begin Object Class=EdGraphPin Name="EdGraphPin_35029"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35028"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35027"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35026"
End Object
Begin Object Name="EdGraphPin_35029"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_33688'
End Object
Begin Object Name="EdGraphPin_35028"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="2"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35027"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33633'
End Object
Begin Object Name="EdGraphPin_35026"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_35026'
Pins(1)=EdGraphPin'EdGraphPin_35027'
Pins(2)=EdGraphPin'EdGraphPin_35028'
Pins(3)=EdGraphPin'EdGraphPin_35029'
NodePosX=-2256
NodePosY=320
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=0666588340FEAD3D6D3374AD2DA6B40
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_87"
Begin Object Class=EdGraphPin Name="EdGraphPin_33678"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33677"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33676"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33675"
End Object
Begin Object Name="EdGraphPin_33678"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_33687'
End Object
Begin Object Name="EdGraphPin_33677"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_35044'
End Object
Begin Object Name="EdGraphPin_33676"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_35017'
End Object
Begin Object Name="EdGraphPin_33675"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33631'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33675'
Pins(1)=EdGraphPin'EdGraphPin_33676'
Pins(2)=EdGraphPin'EdGraphPin_33677'
Pins(3)=EdGraphPin'EdGraphPin_33678'
NodePosX=-2096
NodePosY=208
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=F2B83B224D964F8FB7EAE888FE09E271
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_88"
Begin Object Class=EdGraphPin Name="EdGraphPin_33690"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33689"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33688"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33687"
End Object
Begin Object Name="EdGraphPin_33690"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18556.EdGraphPin_35152'
End Object
Begin Object Name="EdGraphPin_33689"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_35056'
End Object
Begin Object Name="EdGraphPin_33688"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_35029'
End Object
Begin Object Name="EdGraphPin_33687"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_33678'
End Object
Pins(0)=EdGraphPin'EdGraphPin_33687'
Pins(1)=EdGraphPin'EdGraphPin_33688'
Pins(2)=EdGraphPin'EdGraphPin_33689'
Pins(3)=EdGraphPin'EdGraphPin_33690'
NodePosX=-1904
NodePosY=288
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=A38650A6422DCC7DE2ED6AE1891CAE7
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_588"
Begin Object Class=EdGraphPin Name="EdGraphPin_33701"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33700"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33699"
End Object
Begin Object Name="EdGraphPin_33701"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33700"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33699"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33630'
End Object
InputKey=Gamepad_FaceButton_Right
Pins(0)=EdGraphPin'EdGraphPin_33699'
Pins(1)=EdGraphPin'EdGraphPin_33700'
Pins(2)=EdGraphPin'EdGraphPin_33701'

```



```

NodePosX=-2832
NodePosY=224
NodeGuid=E2AEC2EC47915085851A91BE0756D8EE
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_1035"
Begin Object Class=EdGraphPin Name="EdGraphPin_33710"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33709"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33708"
End Object
Begin Object Name="EdGraphPin_33710"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_33709"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33708"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_33630'
End Object
InputKey=I
Pins(0)=EdGraphPin'EdGraphPin_33708'
Pins(1)=EdGraphPin'EdGraphPin_33709'
Pins(2)=EdGraphPin'EdGraphPin_33710'
NodePosX=-2704
NodePosY=64
NodeGuid=56AE12B340B9349F0623528652502A2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19724"
Begin Object Class=EdGraphPin Name="EdGraphPin_35039"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35038"
End Object
Begin Object Name="EdGraphPin_35039"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7582.EdGraphPin_32801'
End Object
Begin Object Name="EdGraphPin_35038"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_35046'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35038'
Pins(1)=EdGraphPin'EdGraphPin_35039'
NodePosX=-1904
NodePosY=-112
NodeGuid=A7FA048D41D80DB5EA5A7BA35631374
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7582"
Begin Object Class=EdGraphPin Name="EdGraphPin_32801"
End Object
Begin Object Name="EdGraphPin_32801"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19724.EdGraphPin_35039'
End Object
ObjectRef=DecalActor'/Game/Maps/Level00.Level00:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_32801'
NodePosX=-2112
NodePosY=-112
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=887786AD4B4317DC9DD76AA6E67EAF36
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34650"
Begin Object Class=EdGraphPin Name="EdGraphPin_35047"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35046"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35045"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35044"
End Object
Begin Object Name="EdGraphPin_35047"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_4_2.Inst_4_2'
End Object
Begin Object Name="EdGraphPin_35046"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')

```

```

        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19724.EdGraphPin_35038'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19725.EdGraphPin_35080'
    End Object
Begin Object Name="EdGraphPin_35045"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_35044"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_33677'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_35044'
Pins(1)=EdGraphPin'EdGraphPin_35045'
Pins(2)=EdGraphPin'EdGraphPin_35046'
Pins(3)=EdGraphPin'EdGraphPin_35047'
NodePosX=-1696
NodePosY=-160
NodeGuid=CA9C4CC643A30259AFE4B5B1164D4DDA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34651"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35059"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35058"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35057"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35056"
        End Object
    Begin Object Name="EdGraphPin_35059"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Instructions/Inst_5_2.Inst_5_2'
    End Object
    Begin Object Name="EdGraphPin_35058"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19739.EdGraphPin_35086'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19740.EdGraphPin_35092'
    End Object
    Begin Object Name="EdGraphPin_35057"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_35056"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_33689'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_35056'
    Pins(1)=EdGraphPin'EdGraphPin_35057'
    Pins(2)=EdGraphPin'EdGraphPin_35058'
    Pins(3)=EdGraphPin'EdGraphPin_35059'
    NodePosX=-1472
    NodePosY=-32
    NodeGuid=179D0ABB460D6AB55EAA598B52918E81
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34616"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35071"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35070"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35069"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35068"
        End Object
    Begin Object Name="EdGraphPin_35071"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Instructions/Inst_7_1.Inst_7_1'
    End Object
    Begin Object Name="EdGraphPin_35070"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19578.EdGraphPin_35098'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_35104'
    End Object
    Begin Object Name="EdGraphPin_35069"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_129.EdGraphPin_33867'
    End Object
    Begin Object Name="EdGraphPin_35068"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18556.EdGraphPin_35153'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_35068'
    Pins(1)=EdGraphPin'EdGraphPin_35069'

```

```

Pins(2)=EdGraphPin'EdGraphPin_35070'
Pins(3)=EdGraphPin'EdGraphPin_35071'
NodePosX=-1232
NodePosY=96
NodeGuid=D9BAB5AF4860F7A394ABD4904AEDB26D
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_351"
Begin Object Class=EdGraphPin Name="EdGraphPin_33787"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33786"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33785"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33784"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33783"
End Object
Begin Object Name="EdGraphPin_33787"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_33786"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_33785"
PinName="Counter"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_33784"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_96184.EdGraphPin_34942'
End Object
Begin Object Name="EdGraphPin_33783"
PinName="execute"
PinType=(PinCategory="exec")
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33783'
Pins(1)=EdGraphPin'EdGraphPin_33784'
Pins(2)=EdGraphPin'EdGraphPin_33785'
Pins(3)=EdGraphPin'EdGraphPin_33786'
Pins(4)=EdGraphPin'EdGraphPin_33787'
NodePosX=-528
NodePosY=160
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in 'begin_DCE_C'.\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
NodeGuid=F7B26AD3471C27E49919CABD8B95D580
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7583"
Begin Object Class=EdGraphPin Name="EdGraphPin_32838"
End Object
Begin Object Name="EdGraphPin_32838"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19725.EdGraphPin_35081'
End Object
ObjectRef=DecalActor'/Game/Maps/level00.level00:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_32838'
NodePosX=-2112
NodePosY=-48
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=17BA10384E2B84D4362C98AA6474F9DC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19725"
Begin Object Class=EdGraphPin Name="EdGraphPin_35081"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35080"
End Object
Begin Object Name="EdGraphPin_35081"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7583.EdGraphPin_32838'
End Object
Begin Object Name="EdGraphPin_35080"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_35046'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35080'

```

```

Pins(1)=EdGraphPin'EdGraphPin_35081'
NodePosX=-1904
NodePosY=-48
NodeGuid=5B415D1A4A0821BA0779A3ACBE3DB2E2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19739"
Begin Object Class=EdGraphPin Name="EdGraphPin_35087"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35086"
End Object
Begin Object Name="EdGraphPin_35087"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7599.EdGraphPin_32770'
End Object
Begin Object Name="EdGraphPin_35086"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_35058'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35086'
Pins(1)=EdGraphPin'EdGraphPin_35087'
NodePosX=-1696
NodePosY=16
NodeGuid=60D5EBEF405CAFE9886DA7A772B8E1B4
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7599"
Begin Object Class=EdGraphPin Name="EdGraphPin_32770"
End Object
Begin Object Name="EdGraphPin_32770"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19739.EdGraphPin_35087'
End Object
ObjectRef=DecalActor'/Game/Maps/Level00.Level00:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_32770'
NodePosX=-1904
NodePosY=16
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=3C65370F4D63F8DCAD9C51BBCA9948E4
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7600"
Begin Object Class=EdGraphPin Name="EdGraphPin_32764"
End Object
Begin Object Name="EdGraphPin_32764"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19740.EdGraphPin_35093'
End Object
ObjectRef=DecalActor'/Game/Maps/Level00.Level00:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_32764'
NodePosX=-1904
NodePosY=80
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=7397757D471DE7D5C14F98A40766F089
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19740"
Begin Object Class=EdGraphPin Name="EdGraphPin_35093"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35092"
End Object
Begin Object Name="EdGraphPin_35093"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7600.EdGraphPin_32764'
End Object
Begin Object Name="EdGraphPin_35092"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_35058'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35092'
Pins(1)=EdGraphPin'EdGraphPin_35093'
NodePosX=-1696
NodePosY=80
NodeGuid=50CC19F644493FC2D4077AB20C95A165
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19578"
Begin Object Class=EdGraphPin Name="EdGraphPin_35099"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35098"
End Object
Begin Object Name="EdGraphPin_35099"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_6825.EdGraphPin_32832'
    End Object
Begin Object Name="EdGraphPin_35098"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_35070'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35098'
Pins(1)=EdGraphPin'EdGraphPin_35099'
NodePosX=-1488
NodePosY=144
NodeGuid=3A6753614936879EBBA5398034D1E386
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_6825"
Begin Object Class=EdGraphPin Name="EdGraphPin_32832"
End Object
Begin Object Name="EdGraphPin_32832"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19578.EdGraphPin_35099'
End Object
ObjectRef=DecalActor'/Game/Maps/Level00.Level00:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_32832'
NodePosX=-1696
NodePosY=144
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=8BC611A2449C96402623E889A78A4F59
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7379"
Begin Object Class=EdGraphPin Name="EdGraphPin_32835"
End Object
Begin Object Name="EdGraphPin_32835"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_35105'
End Object
ObjectRef=DecalActor'/Game/Maps/Level00.Level00:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_32835'
NodePosX=-1696
NodePosY=208
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=63570D2A46F16469A5394188F5B142DD
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18737"
Begin Object Class=EdGraphPin Name="EdGraphPin_35105"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35104"
End Object
Begin Object Name="EdGraphPin_35105"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_7379.EdGraphPin_32835'
End Object
Begin Object Name="EdGraphPin_35104"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_35070'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_35104'
Pins(1)=EdGraphPin'EdGraphPin_35105'
NodePosX=-1488
NodePosY=208
NodeGuid=BFF2DA3644F9FF55E622E688C585E045
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4726"
Begin Object Class=EdGraphPin Name="EdGraphPin_35117"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35116"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35115"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35114"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35113"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35112"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35111"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35110"
End Object

```

```

Begin Object Name="EdGraphPin_35117"
  PinName="StartTime"
  PinType=(PinCategory="float")
  DefaultValue="0.000000"
  AutogeneratedDefaultValue="0.000000"
  bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_35116"
  PinName="PitchMultiplier"
  PinType=(PinCategory="float")
  DefaultValue="1.000000"
  AutogeneratedDefaultValue="1.000000"
  bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_35115"
  PinName="VolumeMultiplier"
  PinType=(PinCategory="float")
  DefaultValue="1.000000"
  AutogeneratedDefaultValue="1.000000"
  bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_35114"
  PinName="Sound"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
  DefaultObject=SoundWave'/Game/Start_begin_exp.Start_begin_exp'
End Object
Begin Object Name="EdGraphPin_35113"
  PinName="WorldContextObject"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_35112"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
  DefaultObject=Default__GameplayStatics
  bHidden=True
End Object
Begin Object Name="EdGraphPin_35111"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4727.EdGraphPin_35134'
End Object
Begin Object Name="EdGraphPin_35110"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95294.EdGraphPin_34961'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
Pins(0)=EdGraphPin'EdGraphPin_35110'
Pins(1)=EdGraphPin'EdGraphPin_35111'
Pins(2)=EdGraphPin'EdGraphPin_35112'
Pins(3)=EdGraphPin'EdGraphPin_35113'
Pins(4)=EdGraphPin'EdGraphPin_35114'
Pins(5)=EdGraphPin'EdGraphPin_35115'
Pins(6)=EdGraphPin'EdGraphPin_35116'
Pins(7)=EdGraphPin'EdGraphPin_35117'
NodePosX=192
NodePosY=672
NodeGuid=2356805A44E578EA0B6C5CBCFEC865F7
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4727"
  Begin Object Class=EdGraphPin Name="EdGraphPin_35139"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_35138"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_35137"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_35136"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_35135"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_35134"
    End Object
  Begin Object Name="EdGraphPin_35139"
    PinName="LatentInfo"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
    DefaultValue="LatentInfo"
    AutogeneratedDefaultValue="LatentInfo"
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_35138"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="10"
    AutogeneratedDefaultValue="0.2"
  End Object
  Begin Object Name="EdGraphPin_35137"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_35136"
    PinName="self"
    PinFriendlyName="Target"

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
        DefaultObject=Default__KismetSystemLibrary
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_35135"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_95294.EdGraphPin_34960'
End Object
Begin Object Name="EdGraphPin_35134"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4726.EdGraphPin_35111'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_35134'
Pins(1)=EdGraphPin'EdGraphPin_35135'
Pins(2)=EdGraphPin'EdGraphPin_35136'
Pins(3)=EdGraphPin'EdGraphPin_35137'
Pins(4)=EdGraphPin'EdGraphPin_35138'
Pins(5)=EdGraphPin'EdGraphPin_35139'
NodePosX=128
NodePosY=384
NodeGuid=1A4FC49D43318F0399705A981937F21F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_18556"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35159"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35158"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35157"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35156"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35155"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35154"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35153"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35152"
        End Object
    Begin Object Name="EdGraphPin_35159"
        PinName="StartTime"
        PinType=(PinCategory="float")
        DefaultValue="0.000000"
        AutogeneratedDefaultValue="0.000000"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_35158"
        PinName="PitchMultiplier"
        PinType=(PinCategory="float")
        DefaultValue="1.000000"
        AutogeneratedDefaultValue="1.000000"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_35157"
        PinName="VolumeMultiplier"
        PinType=(PinCategory="float")
        DefaultValue="1.000000"
        AutogeneratedDefaultValue="1.000000"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_35156"
        PinName="Sound"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
        DefaultObject=SoundWave'/Game/Start_begin_exp.Start_begin_exp'
    End Object
    Begin Object Name="EdGraphPin_35155"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_35154"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_35153"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_35068'
    End Object
    Begin Object Name="EdGraphPin_35152"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_93408.EdGraphPin_34985'
        LinkedTo(1)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_33690'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
    Pins(0)=EdGraphPin'EdGraphPin_35152'
    Pins(1)=EdGraphPin'EdGraphPin_35153'

```

```

Pins(2)=EdGraphPin'EdGraphPin_35154'
Pins(3)=EdGraphPin'EdGraphPin_35155'
Pins(4)=EdGraphPin'EdGraphPin_35156'
Pins(5)=EdGraphPin'EdGraphPin_35157'
Pins(6)=EdGraphPin'EdGraphPin_35158'
Pins(7)=EdGraphPin'EdGraphPin_35159'
NodePosX=-1488
NodePosY=320
NodeGuid=A0055CB44E309A2719507B8427F61651
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_129"
Begin Object Class=EdGraphPin Name="EdGraphPin_33871"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33870"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33869"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33868"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_33867"
End Object
Begin Object Name="EdGraphPin_33871"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_33870"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_33869"
PinName="Counter"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_33868"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_33867"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_35069'
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_33867'
Pins(1)=EdGraphPin'EdGraphPin_33868'
Pins(2)=EdGraphPin'EdGraphPin_33869'
Pins(3)=EdGraphPin'EdGraphPin_33870'
Pins(4)=EdGraphPin'EdGraphPin_33871'
NodePosX=-992
NodePosY=128
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
NodeGuid=6193ED244A29A030B9902C9F8B1D4C8A
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_7291"
Begin Object Class=EdGraphPin Name="EdGraphPin_35183"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35182"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35181"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35180"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35179"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35178"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35177"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35176"
End Object
Begin Object Name="EdGraphPin_35183"
PinName="StartTime"
PinType=(PinCategory="float")
DefaultValue="0.000000"
AutogeneratedDefaultValue="0.000000"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_35182"
PinName="PitchMultiplier"
PinType=(PinCategory="float")
DefaultValue="1.000000"
AutogeneratedDefaultValue="1.000000"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_35181"
PinName="VolumeMultiplier"

```



```

        PinType=(PinCategory="float")
        DefaultValue="1.000000"
        AutogeneratedDefaultValue="1.000000"
        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_35180"
    PinName="Sound"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
    DefaultObject=SoundWave'/Game/More_instructions.More_instructions'
End Object
Begin Object Name="EdGraphPin_35179"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_35178"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_35177"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_93408.EdGraphPin_34984'
End Object
Begin Object Name="EdGraphPin_35176"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_33217'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
Pins(0)=EdGraphPin'EdGraphPin_35176'
Pins(1)=EdGraphPin'EdGraphPin_35177'
Pins(2)=EdGraphPin'EdGraphPin_35178'
Pins(3)=EdGraphPin'EdGraphPin_35179'
Pins(4)=EdGraphPin'EdGraphPin_35180'
Pins(5)=EdGraphPin'EdGraphPin_35181'
Pins(6)=EdGraphPin'EdGraphPin_35182'
Pins(7)=EdGraphPin'EdGraphPin_35183'
NodePosX=-3552
NodePosY=592
NodeGuid=2BFC44CC4D9902298D6F978A82B2BE1C
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3098"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35209"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35208"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35207"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35206"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35205"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35204"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35203"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35202"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35201"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35200"
        End Object
    Begin Object Name="EdGraphPin_35209"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_35235'
    End Object
    Begin Object Name="EdGraphPin_35208"
        PinName="Year"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_35207"
        PinName="Month"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_35206"
        PinName="Day"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_35205"
        PinName="Hours24"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_35204"
    PinName="Hours12"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35203"
    PinName="Minutes"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35202"
    PinName="Seconds"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35201"
    PinName="Milliseconds"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_35200"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default___VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="RealWorldTime__GetCurrentOSTime")
Pins(0)=EdGraphPin'EdGraphPin_35200'
Pins(1)=EdGraphPin'EdGraphPin_35201'
Pins(2)=EdGraphPin'EdGraphPin_35202'
Pins(3)=EdGraphPin'EdGraphPin_35203'
Pins(4)=EdGraphPin'EdGraphPin_35204'
Pins(5)=EdGraphPin'EdGraphPin_35205'
Pins(6)=EdGraphPin'EdGraphPin_35206'
Pins(7)=EdGraphPin'EdGraphPin_35207'
Pins(8)=EdGraphPin'EdGraphPin_35208'
Pins(9)=EdGraphPin'EdGraphPin_35209'
NodePosX=1456
NodePosY=288
NodeGuid=1524C652485AB06EE030C889F0FD4BA9
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3099"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35237"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35236"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35235"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35234"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35233"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35232"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35231"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35230"
    End Object
    Begin Object Name="EdGraphPin_35237"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_35236"
        PinName="AllowOverWriting"
        PinType=(PinCategory="bool")
        DefaultValue="true"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_35235"
        PinName="SaveText"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3098.EdGraphPin_35209'
    End Object
    Begin Object Name="EdGraphPin_35234"
        PinName="JoyfulFileName"
        PinType=(PinCategory="string")
        DefaultValue="start_time_DCE.txt"
    End Object
    Begin Object Name="EdGraphPin_35233"

```

```

        PinName="SaveDirectory"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_2466.EdGraphPin_34008'
    End Object
    Begin Object Name="EdGraphPin_35232"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
        DefaultObject=Default__VictoryBPFFunctionLibrary
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_35231"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3669.EdGraphPin_34903'
    End Object
    Begin Object Name="EdGraphPin_35230"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6810.EdGraphPin_34925'
    End Object
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="FileIO__SaveStringTextToFile")
    Pins(0)=EdGraphPin'EdGraphPin_35230'
    Pins(1)=EdGraphPin'EdGraphPin_35231'
    Pins(2)=EdGraphPin'EdGraphPin_35232'
    Pins(3)=EdGraphPin'EdGraphPin_35233'
    Pins(4)=EdGraphPin'EdGraphPin_35234'
    Pins(5)=EdGraphPin'EdGraphPin_35235'
    Pins(6)=EdGraphPin'EdGraphPin_35236'
    Pins(7)=EdGraphPin'EdGraphPin_35237'
    NodePosX=1824
    NodePosY=816
    NodeGuid=C2C8847243D9A5DCB731EEAE42F01BC0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_2466"
    Begin Object Class=EdGraphPin Name="EdGraphPin_34009"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_34008"
    End Object
    Begin Object Name="EdGraphPin_34009"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level00.level00_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_34008"
        PinName="File_Path"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3099.EdGraphPin_35233'
    End Object
    VariableReference=(MemberName="File_Path",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_34008'
    Pins(1)=EdGraphPin'EdGraphPin_34009'
    NodePosX=1184
    NodePosY=672
    NodeGuid=411819E5447D2C1BA69395A904153A8F
End Object

```

C.3 Sample Choice Set Level of the Virtual DCE Study

```

Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2305"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39750"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39749"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39748"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39747"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39746"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39745"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39744"
    End Object
    Begin Object Name="EdGraphPin_39750"
        PinName="bTeleport"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_39749"
        PinName="SweepHitResult"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_39748"
        PinName="bSweep"
        PinType=(PinCategory="bool")
    End Object

```

```

        DefaultValue="false"
        AutogeneratedDefaultValue="false"
        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_39747"
    PinName="DeltaRotation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2306.EdGraphPin_39775'
End Object
Begin Object Name="EdGraphPin_39746"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SceneComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_122.EdGraphPin_39765'
End Object
Begin Object Name="EdGraphPin_39745"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39744"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_37000'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.SceneComponent',MemberName="K2_AddLocalRotation")
Pins(0)=EdGraphPin'EdGraphPin_39744'
Pins(1)=EdGraphPin'EdGraphPin_39745'
Pins(2)=EdGraphPin'EdGraphPin_39746'
Pins(3)=EdGraphPin'EdGraphPin_39747'
Pins(4)=EdGraphPin'EdGraphPin_39748'
Pins(5)=EdGraphPin'EdGraphPin_39749'
Pins(6)=EdGraphPin'EdGraphPin_39750'
NodePosX=-2880
NodePosY=3456
NodeGuid=ABCFE3BE4EB9AC48A172E8845057BFCC
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_122"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39766"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39765"
        End Object
    Begin Object Name="EdGraphPin_39766"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_5014.EdGraphPin_35972'
    End Object
    Begin Object Name="EdGraphPin_39765"
        PinName="StaticMeshComponent"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_39746'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.StaticMeshActor',MemberName="StaticMeshComponent")
    Pins(0)=EdGraphPin'EdGraphPin_39765'
    Pins(1)=EdGraphPin'EdGraphPin_39766'
    NodePosX=-3824
    NodePosY=3520
    NodeGuid=26565D5143A12B1DD923448071AE1176
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2306"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39775"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39774"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39773"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39772"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39771"
        End Object
    Begin Object Name="EdGraphPin_39775"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_39747'
    End Object
    Begin Object Name="EdGraphPin_39774"
        PinName="Yaw"
        PinFriendlyName="Z (Yaw)"
        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
        LinkedTo(0)=EdGraphPin'K2Node_InputAxisKeyEvent_39.EdGraphPin_35824'
    End Object
    Begin Object Name="EdGraphPin_39773"
        PinName="Pitch"
        PinFriendlyName="Y (Pitch)"
        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"

```

```

End Object
Begin Object Name="EdGraphPin_39772"
    PinName="Roll"
    PinFriendlyName="X (Roll)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_39771"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="MakeRotator")
Pins(0)=EdGraphPin'EdGraphPin_39771'
Pins(1)=EdGraphPin'EdGraphPin_39772'
Pins(2)=EdGraphPin'EdGraphPin_39773'
Pins(3)=EdGraphPin'EdGraphPin_39774'
Pins(4)=EdGraphPin'EdGraphPin_39775'
NodePosX=-3536
NodePosY=3568
NodeGuid=262A43634C6DF8ED9AA7F7B16E12843D
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_3834"
Begin Object Class=EdGraphPin Name="EdGraphPin_39788"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39787"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39786"
End Object
Begin Object Name="EdGraphPin_39788"
    PinName="DeltaSeconds"
    PinToolTip="Delta Seconds\nFloat"
    Direction=EGPD_Output
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_39787"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_38528'
End Object
Begin Object Name="EdGraphPin_39786"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick"))
End Object
EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_39786'
Pins(1)=EdGraphPin'EdGraphPin_39787'
Pins(2)=EdGraphPin'EdGraphPin_39788'
NodePosX=-3840
NodePosY=2896
NodeGuid=122F52F54A7CBF784DFDB88FA3D07D6B
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_30"
Begin Object Class=EdGraphPin Name="EdGraphPin_37001"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37000"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36999"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36998"
End Object
Begin Object Name="EdGraphPin_37001"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_37000"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2305.EdGraphPin_39744'
End Object
Begin Object Name="EdGraphPin_36999"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_3020.EdGraphPin_36179'
End Object
Begin Object Name="EdGraphPin_36998"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_38531'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36998'
Pins(1)=EdGraphPin'EdGraphPin_36999'

```

```

Pins(2)=EdGraphPin'EdGraphPin_37000'
Pins(3)=EdGraphPin'EdGraphPin_37001'
NodePosX=-3056
NodePosY=3024
NodeGuid=3706B87A433324112D21438D3C0DE48D
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_26"
Begin Object Class=EdGraphPin Name="EdGraphPin_35756"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35755"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35754"
End Object
Begin Object Name="EdGraphPin_35756"
PinName="OtherActor"
PinToolTip="Other Actor\nActor Reference"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_35755"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_409.EdGraphPin_38657'
End Object
Begin Object Name="EdGraphPin_35754"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level01.envA_C',MemberName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBeginOverlapSignature___DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBeginOverlapSignature___DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_35754'
Pins(1)=EdGraphPin'EdGraphPin_35755'
Pins(2)=EdGraphPin'EdGraphPin_35756'
NodePosX=-4208
ErrorType=1
ErrorMsg="Error Found more than one function with the same name BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_5_ActorBeginOverlapSignature___DelegateSignature; second occurrence at OnActorBeginOverlap (TriggerSphere)"
NodeGuid=141896754BEF236211D03D831C693425
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_27"
Begin Object Class=EdGraphPin Name="EdGraphPin_35767"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35766"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_35765"
End Object
Begin Object Name="EdGraphPin_35767"
PinName="OtherActor"
PinToolTip="Other Actor\nActor Reference"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_35766"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_956.EdGraphPin_36983'
End Object
Begin Object Name="EdGraphPin_35765"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level01.envA_C',MemberName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEndOverlapSignature___DelegateSignature")
bInternalEvent=True
CustomFunctionName="BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEndOverlapSignature___DelegateSignature"
Pins(0)=EdGraphPin'EdGraphPin_35765'
Pins(1)=EdGraphPin'EdGraphPin_35766'
Pins(2)=EdGraphPin'EdGraphPin_35767'
NodePosX=-4208
NodePosY=112
ErrorType=1
ErrorMsg="Error Found more than one function with the same name BndEvt___TriggerSphere_1_K2Node_ActorBoundEvent_9_ActorEndOverlapSignature___DelegateSignature; second occurrence at OnActorEndOverlap (TriggerSphere)"
NodeGuid=E15BF8264B7E0207EC84E8CF90F515C
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1069"
Begin Object Class=EdGraphPin Name="EdGraphPin_36954"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36953"
End Object
Begin Object Name="EdGraphPin_36954"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_36953"
PinName="insideA"
Direction=EGPD_Output

```

```

PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_36936'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36953'
Pins(1)=EdGraphPin'EdGraphPin_36954'
NodePosX=-3536
NodePosY=3200
NodeGuid=CD6A91C5411EE0FBD87977865CCFEF17
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_409"
Begin Object Class=EdGraphPin Name="EdGraphPin_38661"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38660"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38659"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38658"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38657"
End Object
Begin Object Name="EdGraphPin_38661"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.enva_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_38660"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_38659"
PinName="insideA"
PinType=(PinCategory="bool")
DefaultValue="true"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_38658"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_38657"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_26.EdGraphPin_35755'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38657'
Pins(1)=EdGraphPin'EdGraphPin_38658'
Pins(2)=EdGraphPin'EdGraphPin_38659'
Pins(3)=EdGraphPin'EdGraphPin_38660'
Pins(4)=EdGraphPin'EdGraphPin_38661'
NodePosX=-3886
NodePosY=16
NodeGuid=299B6DA1463E5E87624BF58722D68D05
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2212"
Begin Object Class=EdGraphPin Name="EdGraphPin_39801"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39800"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39799"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39798"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39797"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39796"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39795"
End Object
Begin Object Name="EdGraphPin_39801"
PinName="bTeleport"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_39800"
PinName="SweepHitResult"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_39799"
PinName="bSweep"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
bAdvancedView=True
End Object

```

```

Begin Object Name="EdGraphPin_39798"
  PinName="DeltaRotation"
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
  DefaultValue="0, 0, 0"
  AutogeneratedDefaultValue="0, 0, 0"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2275.EdGraphPin_39826'
End Object
Begin Object Name="EdGraphPin_39797"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SceneComponent')
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_386.EdGraphPin_39816'
End Object
Begin Object Name="EdGraphPin_39796"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39795"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_36937'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.SceneComponent',MemberName="K2_AddLocalRotation")
Pins(0)=EdGraphPin'EdGraphPin_39795'
Pins(1)=EdGraphPin'EdGraphPin_39796'
Pins(2)=EdGraphPin'EdGraphPin_39797'
Pins(3)=EdGraphPin'EdGraphPin_39798'
Pins(4)=EdGraphPin'EdGraphPin_39799'
Pins(5)=EdGraphPin'EdGraphPin_39800'
Pins(6)=EdGraphPin'EdGraphPin_39801'
NodePosX=-3232
NodePosY=3232
NodeGuid=4C05123F4A414D7272FC89801D3DA36D
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_386"
  Begin Object Class=EdGraphPin Name="EdGraphPin_39817"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_39816"
    End Object
  Begin Object Name="EdGraphPin_39817"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4840.EdGraphPin_35969'
  End Object
  Begin Object Name="EdGraphPin_39816"
    PinName="StaticMeshComponent"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_39797'
  End Object
  VariableReference=(MemberParent=Class'/Script/Engine.StaticMeshActor',MemberName="StaticMeshComponent")
  Pins(0)=EdGraphPin'EdGraphPin_39816'
  Pins(1)=EdGraphPin'EdGraphPin_39817'
  NodePosX=-3824
  NodePosY=3296
  NodeGuid=26438D724EC3861F249C65A8D8106110
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2275"
  Begin Object Class=EdGraphPin Name="EdGraphPin_39826"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_39825"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_39824"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_39823"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_39822"
    End Object
  Begin Object Name="EdGraphPin_39826"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Rotator')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_39798'
  End Object
  Begin Object Name="EdGraphPin_39825"
    PinName="Yaw"
    PinFriendlyName="Z (Yaw)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_InputAxisKeyEvent_92.EdGraphPin_35835'
  End Object
  Begin Object Name="EdGraphPin_39824"
    PinName="Pitch"
    PinFriendlyName="Y (Pitch)"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
  End Object
  Begin Object Name="EdGraphPin_39823"
    PinName="Roll"
    PinFriendlyName="X (Roll)"

```



```

        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
    End Object
Begin Object Name="EdGraphPin_39822"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="MakeRotator")
Pins(0)=EdGraphPin'EdGraphPin_39822'
Pins(1)=EdGraphPin'EdGraphPin_39823'
Pins(2)=EdGraphPin'EdGraphPin_39824'
Pins(3)=EdGraphPin'EdGraphPin_39825'
Pins(4)=EdGraphPin'EdGraphPin_39826'
NodePosX=-3536
NodePosY=3376
NodeGuid=BF6078064E55F551987B2CB4EF42D1DB
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2546"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36938"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36937"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36936"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36935"
        End Object
    Begin Object Name="EdGraphPin_36938"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_36937"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2212.EdGraphPin_39795'
    End Object
    Begin Object Name="EdGraphPin_36936"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1069.EdGraphPin_36953'
    End Object
    Begin Object Name="EdGraphPin_36935"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_38532'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_36935'
    Pins(1)=EdGraphPin'EdGraphPin_36936'
    Pins(2)=EdGraphPin'EdGraphPin_36937'
    Pins(3)=EdGraphPin'EdGraphPin_36938'
    NodePosX=-3456
    NodePosY=3024
    NodeGuid=D4722047431DFC3FAE1C749385E3077F
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_408"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38451"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38450"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38449"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38448"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38447"
        End Object
    Begin Object Name="EdGraphPin_38451"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_38450"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_38449"
        PinName="insideB"
        PinType=(PinCategory="bool")
        DefaultValue="true"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_38448"
        PinName="then"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_38447"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin' K2Node_ActorBoundEvent_91.EdGraphPin_35798'
End Object
VariableReference=(MemberName="insideB",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38447'
Pins(1)=EdGraphPin'EdGraphPin_38448'
Pins(2)=EdGraphPin'EdGraphPin_38449'
Pins(3)=EdGraphPin'EdGraphPin_38450'
Pins(4)=EdGraphPin'EdGraphPin_38451'
NodePosX=-3374
NodePosY=16
NodeGuid=55E749F14FB36D0DB07F659F47E31E6E
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_91"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35799"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35798"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35797"
        End Object
    Begin Object Name="EdGraphPin_35799"
        PinName="OtherActor"
        PinToolTip="Other Actor\nActor Reference"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    End Object
    Begin Object Name="EdGraphPin_35798"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin' K2Node_VariableSet_408.EdGraphPin_38447'
    End Object
    Begin Object Name="EdGraphPin_35797"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level01.envA_C',MemberName="BndEvt___TriggerSphere2_6_K2Node_ActorBoundEvent_91_ActorBeginOverlapSignature__DelegateSignature")
    End Object
    DelegatePropertyName="OnActorBeginOverlap"
    DelegateOwnerClass=Class'/Script/Engine.Actor'
    EventOwner=TriggerSphere'/Game/Maps/level01.level01.PersistentLevel.TriggerSphereB'
    EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorBeginOverlapSignature__DelegateSignature")
    bInternalEvent=True
    CustomFunctionName="BndEvt___TriggerSphere2_6_K2Node_ActorBoundEvent_91_ActorBeginOverlapSignature__DelegateSignature"
    Pins(0)=EdGraphPin'EdGraphPin_35797'
    Pins(1)=EdGraphPin'EdGraphPin_35798'
    Pins(2)=EdGraphPin'EdGraphPin_35799'
    NodePosX=-3696
    NodeGuid=ABC6BABS4E0CFBEF215E3E8FD793D003
End Object
Begin Object Class=K2Node_ActorBoundEvent Name="K2Node_ActorBoundEvent_111"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35810"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35809"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35808"
        End Object
    Begin Object Name="EdGraphPin_35810"
        PinName="OtherActor"
        PinToolTip="Other Actor\nActor Reference"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    End Object
    Begin Object Name="EdGraphPin_35809"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin' K2Node_VariableSet_65.EdGraphPin_36329'
    End Object
    Begin Object Name="EdGraphPin_35808"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level01.envA_C',MemberName="BndEvt___TriggerSphere2_6_K2Node_ActorBoundEvent_111_ActorEndOverlapSignature__DelegateSignature")
    End Object
    DelegatePropertyName="OnActorEndOverlap"
    DelegateOwnerClass=Class'/Script/Engine.Actor'
    EventOwner=TriggerSphere'/Game/Maps/level01.level01.PersistentLevel.TriggerSphereB'
    EventReference=(MemberParent=Package'"/Script/Engine"',MemberName="ActorEndOverlapSignature__DelegateSignature")
    bInternalEvent=True
    CustomFunctionName="BndEvt___TriggerSphere2_6_K2Node_ActorBoundEvent_111_ActorEndOverlapSignature__DelegateSignature"
    Pins(0)=EdGraphPin'EdGraphPin_35808'
    Pins(1)=EdGraphPin'EdGraphPin_35809'
    Pins(2)=EdGraphPin'EdGraphPin_35810'
    NodePosX=-3696
    NodePosY=112
    NodeGuid=358F1ADB4364259032E978863FF04755
End Object
Begin Object Class=K2Node_ExecutionSequence Name="K2Node_ExecutionSequence_298"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38532"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38531"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38530"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38529"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38528"
End Object
Begin Object Name="EdGraphPin_38532"
    PinName="then_3"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2546.EdGraphPin_36935'
End Object
Begin Object Name="EdGraphPin_38531"
    PinName="then_2"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_36998'
End Object
Begin Object Name="EdGraphPin_38530"
    PinName="then_1"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_15716.EdGraphPin_40110'
End Object
Begin Object Name="EdGraphPin_38529"
    PinName="then_0"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_40128'
End Object
Begin Object Name="EdGraphPin_38528"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_Event_3834.EdGraphPin_39787'
End Object
Pins(0)=EdGraphPin'EdGraphPin_38528'
Pins(1)=EdGraphPin'EdGraphPin_38529'
Pins(2)=EdGraphPin'EdGraphPin_38530'
Pins(3)=EdGraphPin'EdGraphPin_38531'
Pins(4)=EdGraphPin'EdGraphPin_38532'
NodePosX=-3632
NodePosY=2896
NodeGuid=9620367345E4B9C658880A983557D510
End Object
Begin Object Class=K2Node_InputAxisKeyEvent Name="K2Node_InputAxisKeyEvent_39"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35824"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35823"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35822"
    End Object
    Begin Object Name="EdGraphPin_35824"
        PinName="AxisValue"
        PinToolTip="Axis Value\nFloat"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2306.EdGraphPin_39774'
    End Object
    Begin Object Name="EdGraphPin_35823"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_35822"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C',MemberName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21"))
    End Object
    AxisKey=Gamepad_RightY
    EventReference=(MemberParent=Package'"/Script/Engine'')
    CustomFunctionName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21"
    Pins(0)=EdGraphPin'EdGraphPin_35822'
    Pins(1)=EdGraphPin'EdGraphPin_35823'
    Pins(2)=EdGraphPin'EdGraphPin_35824'
    NodePosX=-3792
    NodePosY=3584
    ErrorType=1
    ErrorMessage="Error Found more than one function with the same name InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_21; second occurrence at Gamepad Right Thumbstick Y-Axis \nError Found more than one fu
    NodeGuid=B46F001B4E93E6D546F2158874A2287F
End Object
Begin Object Class=K2Node_InputAxisKeyEvent Name="K2Node_InputAxisKeyEvent_92"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35835"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35834"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_35833"
    End Object
    Begin Object Name="EdGraphPin_35835"
        PinName="AxisValue"
        PinToolTip="Axis Value\nFloat"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2275.EdGraphPin_39825'
    End Object
    Begin Object Name="EdGraphPin_35834"
        PinName="then"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_35833"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C',MemberName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_92"))
End Object
AxisKey=Gamepad_RightY
EventReference=(MemberParent=Package'"/Script/Engine'')
CustomFunctionName="InpAxisKeyEvt_Gamepad_RightY_K2Node_InputAxisKeyEvent_92"
Pins(0)=EdGraphPin'EdGraphPin_35833'
Pins(1)=EdGraphPin'EdGraphPin_35834'
Pins(2)=EdGraphPin'EdGraphPin_35835'
NodePosX=-3792
NodePosY=3360
NodeGuid=545412E24D24015E1C551C96711DF95D
End Object
Begin Object Class=K2Node_SpawnActorFromClass Name="K2Node_SpawnActorFromClass_561"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39844"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39843"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39842"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39841"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39840"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39839"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39838"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39837"
        End Object
    Begin Object Name="EdGraphPin_39844"
        PinName="Instigator"
        PinToolTip="Instigator\nPawn Reference\n\nPawn responsible for damage caused by this actor."
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Pawn')
    End Object
    Begin Object Name="EdGraphPin_39843"
        PinName="ReturnValue"
        PinToolTip="Return Value\nActor Reference\n\nThe spawned Actor"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/StarterContent/Blueprints/Blueprint_Effect_Explosion.Blueprint_Effect_Explosion_C')
    End Object
    Begin Object Name="EdGraphPin_39842"
        PinName="Owner"
        PinToolTip="Owner\nActor Reference\n\nCan be left empty; primarily used for replication (bNetUseOwnerRelevancy and bOnlyRelevantToOwner), or visibility (PrimitiveComponent's bOwnerNoSee/bOnlyOwnerSee)"
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_39841"
        PinName="CollisionHandlingOverride"
        PinToolTip="Collision Handling Override\nESpawnActorCollisionHandlingMethod Enum\n\nSpecifies how to handle collisions at the spawn point. If undefined, uses actor class settings."
        PinType=(PinCategory="byte",PinSubCategoryObject=Enum'/Script/Engine.ESpawnActorCollisionHandlingMethod')
        DefaultValue="Undefined"
    End Object
    Begin Object Name="EdGraphPin_39840"
        PinName="SpawnTransform"
        PinToolTip="Spawn Transform\nTransform\n\nThe transform to spawn the Actor with"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16657.EdGraphPin_39862'
    End Object
    Begin Object Name="EdGraphPin_39839"
        PinName="Class"
        PinToolTip="Class\nActor Class\n\nThe Actor class you want to spawn"
        PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/Engine.Actor')
        DefaultObject=BlueprintGeneratedClass'/Game/StarterContent/Blueprints/Blueprint_Effect_Explosion.Blueprint_Effect_Explosion_C'
    End Object
    Begin Object Name="EdGraphPin_39838"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3028.EdGraphPin_41922'
    End Object
    Begin Object Name="EdGraphPin_39837"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_38311'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_39837'
    Pins(1)=EdGraphPin'EdGraphPin_39838'
    Pins(2)=EdGraphPin'EdGraphPin_39839'
    Pins(3)=EdGraphPin'EdGraphPin_39840'
    Pins(4)=EdGraphPin'EdGraphPin_39841'
    Pins(5)=EdGraphPin'EdGraphPin_39842'
    Pins(6)=EdGraphPin'EdGraphPin_39843'
    Pins(7)=EdGraphPin'EdGraphPin_39844'
    NodePosX=-3232
    NodePosY=1792
    ErrorType=1
    ErrorMessage="Error Spawn node SpawnActor NONE must have a class specified."
    NodeGuid=ABC5D6024B8F11B43CFDA79459DA53C9
    AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16657"

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_39862"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39861"
End Object
Begin Object Name="EdGraphPin_39862"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
    LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_561.EdGraphPin_39840'
End Object
Begin Object Name="EdGraphPin_39861"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_309.EdGraphPin_35966'
End Object
    bIsPureFunc=True
    bIsConstFunc=True
    FunctionReference=(MemberName="GetTransform",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_39861'
    Pins(1)=EdGraphPin'EdGraphPin_39862'
    NodePosX=-3472
    NodePosY=1952
    NodeGuid=108DA33D4576C7C87B984BBD6D742CAB
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_204"
Begin Object Class=EdGraphPin Name="EdGraphPin_36856"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36855"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36854"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36854"
End Object
Begin Object Name="EdGraphPin_36856"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36855"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36854"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_38309'
End Object
    InputActionName="Jump"
    Pins(0)=EdGraphPin'EdGraphPin_36854'
    Pins(1)=EdGraphPin'EdGraphPin_36855'
    Pins(2)=EdGraphPin'EdGraphPin_36856'
    NodePosX=-3792
    NodePosY=1744
    NodeGuid=B6FC70E8404F420C860470BA5AA5D5A6
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1845"
Begin Object Class=EdGraphPin Name="EdGraphPin_36864"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36863"
End Object
Begin Object Name="EdGraphPin_36864"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36863"
    PinName="insideA"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2330.EdGraphPin_38310'
End Object
    VariableReference=(MemberName="insideA",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_36863'
    Pins(1)=EdGraphPin'EdGraphPin_36864'
    NodePosX=-3728
    NodePosY=1888
    NodeGuid=CEFD76D49E3277221A748A0F4014E07
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2330"
Begin Object Class=EdGraphPin Name="EdGraphPin_38312"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38311"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38310"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38309"
End Object
Begin Object Name="EdGraphPin_38312"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object

```

```

Begin Object Name="EdGraphPin_38311"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_561.EdGraphPin_39837'
End Object
Begin Object Name="EdGraphPin_38310"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1845.EdGraphPin_36863'
End Object
Begin Object Name="EdGraphPin_38309"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputAction_204.EdGraphPin_36854'
End Object
Pins(0)=EdGraphPin'EdGraphPin_38309'
Pins(1)=EdGraphPin'EdGraphPin_38310'
Pins(2)=EdGraphPin'EdGraphPin_38311'
Pins(3)=EdGraphPin'EdGraphPin_38312'
NodePosX=-3536
NodePosY=1744
NodeGuid=BCD58C50429F74D63D1996B7A0547495
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_1"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39478"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39477"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39476"
        End Object
    Begin Object Name="EdGraphPin_39478"
        PinName="[1]"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_4243.EdGraphPin_35874'
    End Object
    Begin Object Name="EdGraphPin_39477"
        PinName="[0]"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_752.EdGraphPin_35871'
    End Object
    Begin Object Name="EdGraphPin_39476"
        PinName="Array"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint',bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_39868'
    End Object
    NumInputs=2
    Pins(0)=EdGraphPin'EdGraphPin_39476'
    Pins(1)=EdGraphPin'EdGraphPin_39477'
    Pins(2)=EdGraphPin'EdGraphPin_39478'
    NodePosX=-3984
    NodePosY=1136
    NodeGuid=FD958AE04E4576C8C63664874072BF16
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_54"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39870"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39869"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39868"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39867"
        End Object
    Begin Object Name="EdGraphPin_39870"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19647.EdGraphPin_39894'
    End Object
    Begin Object Name="EdGraphPin_39869"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4509.EdGraphPin_39887'
    End Object
    Begin Object Name="EdGraphPin_39868"
        PinName="TargetArray"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint',bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_39476'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_39867"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_39867'

```

```

Pins(1)=EdGraphPin'EdGraphPin_39868'
Pins(2)=EdGraphPin'EdGraphPin_39869'
Pins(3)=EdGraphPin'EdGraphPin_39870'
NodePosX=-3552
NodePosY=1168
NodeGuid=2D18BB234D916C1224954599539624A6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4507"
Begin Object Class=EdGraphPin Name="EdGraphPin_39880"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39879"
End Object
Begin Object Name="EdGraphPin_39880"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4509.EdGraphPin_39886'
End Object
Begin Object Name="EdGraphPin_39879"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="RandomBool")
Pins(0)=EdGraphPin'EdGraphPin_39879'
Pins(1)=EdGraphPin'EdGraphPin_39880'
NodePosX=-3824
NodePosY=1200
NodeGuid=FEB3DFAF4E9ABDCE297277AB67C65049
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4509"
Begin Object Class=EdGraphPin Name="EdGraphPin_39887"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39886"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39885"
End Object
Begin Object Name="EdGraphPin_39887"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="int")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_39869'
End Object
Begin Object Name="EdGraphPin_39886"
PinName="InBool"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4507.EdGraphPin_39880'
End Object
Begin Object Name="EdGraphPin_39885"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Conv_BoolToInt")
Pins(0)=EdGraphPin'EdGraphPin_39885'
Pins(1)=EdGraphPin'EdGraphPin_39886'
Pins(2)=EdGraphPin'EdGraphPin_39887'
NodePosX=-3664
NodePosY=1213
NodeGuid=B016691B4369488447FC448EE3EFA0D6
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_752"
Begin Object Class=EdGraphPin Name="EdGraphPin_35871"
End Object
Begin Object Name="EdGraphPin_35871"
PinName="TargetPoint-1"
PinFriendlyName="TargetPoint-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_39477'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_39969'
End Object
ObjectRef=TargetPoint'/Game/Maps/level01.level01:PersistentLevel.TargetPoint1'
Pins(0)=EdGraphPin'EdGraphPin_35871'
NodePosX=-4224
NodePosY=976
NodeGuid=07C0AE64EDCC02820BB9C800F68C5F8
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4243"
Begin Object Class=EdGraphPin Name="EdGraphPin_35874"
End Object
Begin Object Name="EdGraphPin_35874"
PinName="TargetPoint-1"
PinFriendlyName="TargetPoint-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TargetPoint')
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1.EdGraphPin_39478'

```

```

        LinkedTo(1)=EdGraphPin'K2Node_CallFunction_22927.EdGraphPin_39981'
    End Object
    ObjectRef=TargetPoint'/Game/Maps/level01.level01:PersistentLevel.TargetPoint2'
    Pins(0)=EdGraphPin'EdGraphPin_35874'
    NodePosX=-4224
    NodePosY=1360
    NodeGuid=437FF39F4365EB23F30D91BDC0D283DD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_19647"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39895"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39894"
    End Object
    Begin Object Name="EdGraphPin_39895"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_39903'
    End Object
    Begin Object Name="EdGraphPin_39894"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_54.EdGraphPin_39870'
    End Object
    bIsPureFunc=True
    bIsConstFunc=True
    FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_39894'
    Pins(1)=EdGraphPin'EdGraphPin_39895'
    NodePosX=-3344
    NodePosY=1136
    NodeGuid=AC09606142CCA9AEB58D926B713038
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5325"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39907"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39906"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39905"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39904"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39903"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39902"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39901"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39900"
    End Object
    Begin Object Name="EdGraphPin_39907"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39906"
        PinName="bTeleport"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39905"
        PinName="SweepHitResult"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
    End Object
    Begin Object Name="EdGraphPin_39904"
        PinName="bSweep"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39903"
        PinName="NewLocation"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19647.EdGraphPin_39895'
    End Object
    Begin Object Name="EdGraphPin_39902"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_5138.EdGraphPin_36026'
    End Object
    Begin Object Name="EdGraphPin_39901"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_387.EdGraphPin_36971'
    End Object
    Begin Object Name="EdGraphPin_39900"
        PinName="execute"
        PinType=(PinCategory="exec")

```



```

    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_38149'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39900'
Pins(1)=EdGraphPin'EdGraphPin_39901'
Pins(2)=EdGraphPin'EdGraphPin_39902'
Pins(3)=EdGraphPin'EdGraphPin_39903'
Pins(4)=EdGraphPin'EdGraphPin_39904'
Pins(5)=EdGraphPin'EdGraphPin_39905'
Pins(6)=EdGraphPin'EdGraphPin_39906'
Pins(7)=EdGraphPin'EdGraphPin_39907'
NodePosX=-3056
NodePosY=1088
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node SetActorLocation from being scheduled"
NodeGuid=E1C1FB5844482AD6C6C2FE87EEB5925E
End Object
Begin Object Class=K2Node_ExecutionSequence Name="K2Node_ExecutionSequence_918"
Begin Object Class=EdGraphPin Name="EdGraphPin_38150"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38149"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38148"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38147"
End Object
Begin Object Name="EdGraphPin_38150"
PinName="then_2"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_36752'
End Object
Begin Object Name="EdGraphPin_38149"
PinName="then_1"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_39900'
End Object
Begin Object Name="EdGraphPin_38148"
PinName="then_0"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_11402.EdGraphPin_40770'
End Object
Begin Object Name="EdGraphPin_38147"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputKey_219.EdGraphPin_36698'
LinkedTo(1)=EdGraphPin'K2Node_Event_4370.EdGraphPin_39964'
End Object
Pins(0)=EdGraphPin'EdGraphPin_38147'
Pins(1)=EdGraphPin'EdGraphPin_38148'
Pins(2)=EdGraphPin'EdGraphPin_38149'
Pins(3)=EdGraphPin'EdGraphPin_38150'
NodePosX=-3792
NodePosY=992
NodeGuid=AE47D4E34DA672511FAB76A5006D6C3D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6583"
Begin Object Class=EdGraphPin Name="EdGraphPin_39928"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39927"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39926"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39925"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39924"
End Object
Begin Object Name="EdGraphPin_39928"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_36753'
End Object
Begin Object Name="EdGraphPin_39927"
PinName="ErrorTolerance"
PinType=(PinCategory="float")
DefaultValue="0.1"
AutogeneratedDefaultValue="0.000100"
End Object
Begin Object Name="EdGraphPin_39926"
PinName="B"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
DefaultValue="0, 0, 0"
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6584.EdGraphPin_39976'
End Object
Begin Object Name="EdGraphPin_39925"
PinName="A"
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
DefaultValue="0, 0, 0"
AutogeneratedDefaultValue="0, 0, 0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_39970'
End Object
Begin Object Name="EdGraphPin_39924"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_VectorVector")
    Pins(0)=EdGraphPin'EdGraphPin_39924'
    Pins(1)=EdGraphPin'EdGraphPin_39925'
    Pins(2)=EdGraphPin'EdGraphPin_39926'
    Pins(3)=EdGraphPin'EdGraphPin_39927'
    Pins(4)=EdGraphPin'EdGraphPin_39928'
    NodePosX=-3040
    NodePosY=880
    NodeGuid=D352C6914F2DA6AC68AADB2E877896D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4225"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39946"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39945"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39944"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39943"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39942"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39941"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39940"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39939"
        End Object
    Begin Object Name="EdGraphPin_39946"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39945"
        PinName="bTeleport"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39944"
        PinName="SweepHitResult"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
    End Object
    Begin Object Name="EdGraphPin_39943"
        PinName="bSweep"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_39942"
        PinName="NewLocation"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
        DefaultValue="0, 0, 0"
        AutogeneratedDefaultValue="0, 0, 0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22927.EdGraphPin_39982'
    End Object
    Begin Object Name="EdGraphPin_39941"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_4872.EdGraphPin_36020'
    End Object
    Begin Object Name="EdGraphPin_39940"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_39939"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_36754'
    End Object
    FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_39939'
    Pins(1)=EdGraphPin'EdGraphPin_39940'
    Pins(2)=EdGraphPin'EdGraphPin_39941'
    Pins(3)=EdGraphPin'EdGraphPin_39942'
    Pins(4)=EdGraphPin'EdGraphPin_39943'
    Pins(5)=EdGraphPin'EdGraphPin_39944'
    Pins(6)=EdGraphPin'EdGraphPin_39945'
    Pins(7)=EdGraphPin'EdGraphPin_39946'
    NodePosX=-2448
    NodePosY=1280
    NodeGuid=2CBAC8A44C97DBAA474540B7C4DA9A80
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_608"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36755"
        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_36754"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36753"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36752"
End Object
Begin Object Name="EdGraphPin_36755"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_39987'
End Object
Begin Object Name="EdGraphPin_36754"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_39939'
End Object
Begin Object Name="EdGraphPin_36753"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_39928'
End Object
Begin Object Name="EdGraphPin_36752"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_38150'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36752'
Pins(1)=EdGraphPin'EdGraphPin_36753'
Pins(2)=EdGraphPin'EdGraphPin_36754'
Pins(3)=EdGraphPin'EdGraphPin_36755'
NodePosX=-2880
NodePosY=976
NodeGuid=E2EFA8954E282AA678CEF2AC297638CF
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_4370"
Begin Object Class=EdGraphPin Name="EdGraphPin_39964"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39963"
End Object
Begin Object Name="EdGraphPin_39964"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_38147'
End Object
Begin Object Name="EdGraphPin_39963"
    PinName="OutputDelegate"
    Direction=EGPD_Output
    PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay"))
End Object
EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveBeginPlay")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_39963'
Pins(1)=EdGraphPin'EdGraphPin_39964'
NodePosX=-4080
NodePosY=816
NodeGuid=BB8317544B04CBACACFFCC90EE03526B
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_219"
Begin Object Class=EdGraphPin Name="EdGraphPin_36700"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36699"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36698"
End Object
Begin Object Name="EdGraphPin_36700"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36699"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36698"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_38147'
End Object
InputKey=Six
Pins(0)=EdGraphPin'EdGraphPin_36698'
Pins(1)=EdGraphPin'EdGraphPin_36699'
Pins(2)=EdGraphPin'EdGraphPin_36700'
NodePosX=-3920
NodePosY=992
NodeGuid=838FD21E49794D15FF4EA88962656BB3
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6585"

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_39970"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39969"
End Object
Begin Object Name="EdGraphPin_39970"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_39925'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_39990'
End Object
Begin Object Name="EdGraphPin_39969"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_752.EdGraphPin_35871'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39969'
Pins(1)=EdGraphPin'EdGraphPin_39970'
NodePosX=-3280
NodePosY=768
NodeGuid=0D00825440DE7C5375312C919D192541
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_6584"
Begin Object Class=EdGraphPin Name="EdGraphPin_39976"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39975"
End Object
Begin Object Name="EdGraphPin_39976"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6583.EdGraphPin_39926'
End Object
Begin Object Name="EdGraphPin_39975"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_5138.EdGraphPin_36026'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39975'
Pins(1)=EdGraphPin'EdGraphPin_39976'
NodePosX=-3280
NodePosY=864
NodeGuid=57BC68BA4E3CE9C1263FC6B2F8E1C878
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22927"
Begin Object Class=EdGraphPin Name="EdGraphPin_39982"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39981"
End Object
Begin Object Name="EdGraphPin_39982"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_39942'
End Object
Begin Object Name="EdGraphPin_39981"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4243.EdGraphPin_35874'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39981'
Pins(1)=EdGraphPin'EdGraphPin_39982'
NodePosX=-3392
NodePosY=1328
NodeGuid=141FC21E42341193E260F2A4C0A40B9F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4224"
Begin Object Class=EdGraphPin Name="EdGraphPin_39994"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39993"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39992"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39991"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39990"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39989"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39988"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39987"

```

```

End Object
Begin Object Name="EdGraphPin_39994"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_39993"
    PinName="bTeleport"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_39992"
    PinName="SweepHitResult"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_39991"
    PinName="bSweep"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_39990"
    PinName="NewLocation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    DefaultValue="0, 0, 0"
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6585.EdGraphPin_39970'
End Object
Begin Object Name="EdGraphPin_39989"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4872.EdGraphPin_36020'
End Object
Begin Object Name="EdGraphPin_39988"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39987"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_608.EdGraphPin_36755'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39987'
Pins(1)=EdGraphPin'EdGraphPin_39988'
Pins(2)=EdGraphPin'EdGraphPin_39989'
Pins(3)=EdGraphPin'EdGraphPin_39990'
Pins(4)=EdGraphPin'EdGraphPin_39991'
Pins(5)=EdGraphPin'EdGraphPin_39992'
Pins(6)=EdGraphPin'EdGraphPin_39993'
Pins(7)=EdGraphPin'EdGraphPin_39994'
NodePosX=-2448
NodePosY=944
NodeGuid=6B98AEFC48C5120FB84C6880120F8A97
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4545"
Begin Object Class=EdGraphPin Name="EdGraphPin_35918"
End Object
Begin Object Name="EdGraphPin_35918"
    PinName="TriggerSphere-1"
    PinFriendlyName="TriggerSphere-1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_40037'
End Object
ObjectRef=TriggerSphere'/Game/Maps/level01.level01:PersistentLevel.TriggerSphereB'
Pins(0)=EdGraphPin'EdGraphPin_35918'
NodePosX=-2128
NodePosY=1424
NodeGuid=40AD93AA4FB068196E3741A59128E96B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22080"
Begin Object Class=EdGraphPin Name="EdGraphPin_40018"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40017"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40016"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40015"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40014"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40013"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40012"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40011"
End Object
Begin Object Name="EdGraphPin_40018"
    PinName="ReturnValue"
    Direction=EGPD_Output

```

```

        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
Begin Object Name="EdGraphPin_40017"
    PinName="bTeleport"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_40016"
    PinName="SweepHitResult"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
End Object
Begin Object Name="EdGraphPin_40015"
    PinName="bSweep"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_40014"
    PinName="NewLocation"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    DefaultValue="0,120.000000,143.000000"
    AutogeneratedDefaultValue="0, 0, 0"
End Object
Begin Object Name="EdGraphPin_40013"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_4546.EdGraphPin_36014'
End Object
Begin Object Name="EdGraphPin_40012"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40011"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_40036'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_40011'
Pins(1)=EdGraphPin'EdGraphPin_40012'
Pins(2)=EdGraphPin'EdGraphPin_40013'
Pins(3)=EdGraphPin'EdGraphPin_40014'
Pins(4)=EdGraphPin'EdGraphPin_40015'
Pins(5)=EdGraphPin'EdGraphPin_40016'
Pins(6)=EdGraphPin'EdGraphPin_40017'
Pins(7)=EdGraphPin'EdGraphPin_40018'
NodePosX=-1488
NodePosY=1184
NodeGuid=964f1f4242e712f2e38740b6a0f3c9ce
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22929"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40042"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40041"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40040"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40039"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40038"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40037"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40036"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40035"
    End Object
    Begin Object Name="EdGraphPin_40042"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_40041"
        PinName="bTeleport"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_40040"
        PinName="SweepHitResult"
        Direction=EGPD_Output
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.HitResult')
    End Object
    Begin Object Name="EdGraphPin_40039"
        PinName="bSweep"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
End Object

```

```

Begin Object Name="EdGraphPin_40038"
  PinName="NewLocation"
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
  DefaultValue="0,-120.000000,143.000000"
  AutogeneratedDefaultValue="0, 0, 0"
End Object
Begin Object Name="EdGraphPin_40037"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
  LinkedTo(0)=EdGraphPin'K2Node_Literal_4545.EdGraphPin_35918'
End Object
Begin Object Name="EdGraphPin_40036"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22080.EdGraphPin_40011'
End Object
Begin Object Name="EdGraphPin_40035"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_387.EdGraphPin_36973'
End Object
FunctionReference=(MemberName="K2_SetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_40035'
Pins(1)=EdGraphPin'EdGraphPin_40036'
Pins(2)=EdGraphPin'EdGraphPin_40037'
Pins(3)=EdGraphPin'EdGraphPin_40038'
Pins(4)=EdGraphPin'EdGraphPin_40039'
Pins(5)=EdGraphPin'EdGraphPin_40040'
Pins(6)=EdGraphPin'EdGraphPin_40041'
Pins(7)=EdGraphPin'EdGraphPin_40042'
NodePosX=-1920
NodePosY=1184
NodeGuid=24E50F2E4B92D30D5595509A21FF5EB3
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_65"
  Begin Object Class=EdGraphPin Name="EdGraphPin_36333"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36332"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36331"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36330"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36329"
    End Object
  Begin Object Name="EdGraphPin_36333"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_36332"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_36331"
    PinName="insideB"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_36330"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
  End Object
  Begin Object Name="EdGraphPin_36329"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_111.EdGraphPin_35809'
  End Object
  VariableReference=(MemberName="insideB",bSelfContext=True)
  Pins(0)=EdGraphPin'EdGraphPin_36329'
  Pins(1)=EdGraphPin'EdGraphPin_36330'
  Pins(2)=EdGraphPin'EdGraphPin_36331'
  Pins(3)=EdGraphPin'EdGraphPin_36332'
  Pins(4)=EdGraphPin'EdGraphPin_36333'
  NodePosX=-3381
  NodePosY=128
  NodeGuid=DFCCA79C454858105C41C5A6A16149C1
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_956"
  Begin Object Class=EdGraphPin Name="EdGraphPin_36987"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36986"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36985"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36984"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_36983"

```

```

End Object
Begin Object Name="EdGraphPin_36987"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.enva_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36986"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_36985"
    PinName="insideA"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_36984"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36983"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ActorBoundEvent_27.EdGraphPin_35766'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36983'
Pins(1)=EdGraphPin'EdGraphPin_36984'
Pins(2)=EdGraphPin'EdGraphPin_36985'
Pins(3)=EdGraphPin'EdGraphPin_36986'
Pins(4)=EdGraphPin'EdGraphPin_36987'
NodePosX=-3893
NodePosY=128
NodeGuid=A8D3DD364114816639466090FDF9003A
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22079"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40063"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_40062"
            End Object
            Begin Object Class=EdGraphPin Name="EdGraphPin_40061"
                End Object
                Begin Object Class=EdGraphPin Name="EdGraphPin_40060"
                    End Object
                    Begin Object Class=EdGraphPin Name="EdGraphPin_40059"
                        End Object
                        Begin Object Name="EdGraphPin_40063"
                            PinName="ReturnValue"
                            Direction=EGPD_Output
                            PinType=(PinCategory="bool")
                            AutogeneratedDefaultValue="false"
                            LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_387.EdGraphPin_36972'
                        End Object
                        Begin Object Name="EdGraphPin_40062"
                            PinName="ErrorTolerance"
                            PinType=(PinCategory="float")
                            DefaultValue="0.1"
                            AutogeneratedDefaultValue="0.000100"
                        End Object
                        Begin Object Name="EdGraphPin_40061"
                            PinName="B"
                            PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
                            DefaultValue="0, 0, 0"
                            AutogeneratedDefaultValue="0, 0, 0"
                            LinkedTo(0)=EdGraphPin'K2Node_CallFunction_21981.EdGraphPin_40075'
                        End Object
                        Begin Object Name="EdGraphPin_40060"
                            PinName="A"
                            PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
                            DefaultValue="0,-65.000000,144.000000"
                            AutogeneratedDefaultValue="0, 0, 0"
                        End Object
                        Begin Object Name="EdGraphPin_40059"
                            PinName="self"
                            PinFriendlyName="Target"
                            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
                            DefaultObject=Default__KismetMathLibrary
                            bHidden=True
                        End Object
                        bIsPureFunc=True
                        FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_VectorVector")
                        Pins(0)=EdGraphPin'EdGraphPin_40059'
                        Pins(1)=EdGraphPin'EdGraphPin_40060'
                        Pins(2)=EdGraphPin'EdGraphPin_40061'
                        Pins(3)=EdGraphPin'EdGraphPin_40062'
                        Pins(4)=EdGraphPin'EdGraphPin_40063'
                        NodePosX=-2192
                        NodePosY=800
                        NodeGuid=CFDC365E4515EACF8D9E56AD90708D91
                    End Object
                    Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_21981"

```



```

Begin Object Class=EdGraphPin Name="EdGraphPin_40075"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40074"
End Object
Begin Object Name="EdGraphPin_40075"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Vector')
    AutogeneratedDefaultValue="0, 0, 0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22079.EdGraphPin_40061'
End Object
Begin Object Name="EdGraphPin_40074"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_2797.EdGraphPin_36023'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="K2_GetActorLocation",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_40074'
Pins(1)=EdGraphPin'EdGraphPin_40075'
NodePosX=-2400
NodePosY=816
NodeGuid=790E8F8648EC5940E9DB9E94BC977E37
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_387"
Begin Object Class=EdGraphPin Name="EdGraphPin_36974"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36973"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36972"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36971"
End Object
Begin Object Name="EdGraphPin_36974"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36973"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22929.EdGraphPin_40035'
End Object
Begin Object Name="EdGraphPin_36972"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22079.EdGraphPin_40063'
End Object
Begin Object Name="EdGraphPin_36971"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_39901'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36971'
Pins(1)=EdGraphPin'EdGraphPin_36972'
Pins(2)=EdGraphPin'EdGraphPin_36973'
Pins(3)=EdGraphPin'EdGraphPin_36974'
NodePosX=-2144
NodePosY=1136
NodeGuid=FB8C8DC44E65AC4E6F5B4F93D839EAC4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_7837"
Begin Object Class=EdGraphPin Name="EdGraphPin_36306"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36305"
End Object
Begin Object Name="EdGraphPin_36306"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.enva_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36305"
    PinName="insideA"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2834.EdGraphPin_36168'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36305'
Pins(1)=EdGraphPin'EdGraphPin_36306'
NodePosX=-2096
NodePosY=1792
NodeGuid=E0D3F7E54F8A358F151AF39957CC5EAC
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_972"
Begin Object Class=EdGraphPin Name="EdGraphPin_36796"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36795"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36794"
End Object
Begin Object Name="EdGraphPin_36796"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36795"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36794"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2834.EdGraphPin_36167'
End Object
    InputActionName="Jump"
    Pins(0)=EdGraphPin'EdGraphPin_36794'
    Pins(1)=EdGraphPin'EdGraphPin_36795'
    Pins(2)=EdGraphPin'EdGraphPin_36796'
    NodePosX=-2128
    NodePosY=1648
    NodeGuid=B2DFAFD34B267D001EC805BFFCEE910
End Object
Begin Object Class=K2Node_SpawnActorFromClass Name="K2Node_SpawnActorFromClass_805"
Begin Object Class=EdGraphPin Name="EdGraphPin_40087"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40086"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40085"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40084"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40083"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40082"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40081"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40080"
End Object
Begin Object Name="EdGraphPin_40087"
    PinName="Instigator"
    PinToolTip="Instigator\nPawn Reference\n\nPawn responsible for damage caused by this actor."
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Pawn')
End Object
Begin Object Name="EdGraphPin_40086"
    PinName="ReturnValue"
    PinToolTip="Return Value\nActor Reference\n\nThe spawned Actor"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
End Object
Begin Object Name="EdGraphPin_40085"
    PinName="Owner"
    PinToolTip="Owner\nActor Reference\n\nCan be left empty; primarily used for replication (bNetUseOwnerRelevancy and bOnlyRelevantToOwner), or visibility (PrimitiveComponent's bOwnerNoSee/bOnlyOwnerSee)"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40084"
    PinName="CollisionHandlingOverride"
    PinToolTip="Collision Handling Override\nESpawnActorCollisionHandlingMethod Enum\n\nSpecifies how to handle collisions at the spawn point. If undefined, uses actor class settings."
    PinType=(PinCategory="byte",PinSubCategoryObject=Enum'/Script/Engine.ESpawnActorCollisionHandlingMethod')
    DefaultValue="Undefined"
End Object
Begin Object Name="EdGraphPin_40083"
    PinName="SpawnTransform"
    PinToolTip="Spawn Transform\nTransform\n\nThe transform to spawn the Actor with"
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19425.EdGraphPin_40105'
End Object
Begin Object Name="EdGraphPin_40082"
    PinName="Class"
    PinToolTip="Class\nActor Class\n\nThe Actor class you want to spawn"
    PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/Engine.Actor')
    DefaultObject=Class'/Script/Engine.Actor'
End Object
Begin Object Name="EdGraphPin_40081"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40080"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_36277'
End Object
    Pins(0)=EdGraphPin'EdGraphPin_40080'
    Pins(1)=EdGraphPin'EdGraphPin_40081'
    Pins(2)=EdGraphPin'EdGraphPin_40082'
    Pins(3)=EdGraphPin'EdGraphPin_40083'
    Pins(4)=EdGraphPin'EdGraphPin_40084'
    Pins(5)=EdGraphPin'EdGraphPin_40085'
    Pins(6)=EdGraphPin'EdGraphPin_40086'

```

```

Pins(7)=EdGraphPin'EdGraphPin_40087'
NodePosX=-3216
NodePosY=2192
ErrorType=1
ErrorMsg="Error Spawn node SpawnActor NONE must have a class specified."
NodeGuid=045F5ECF4C22385992C3B6820E29685C
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_19425"
Begin Object Class=EdGraphPin Name="EdGraphPin_40105"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40104"
End Object
Begin Object Name="EdGraphPin_40105"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/CoreUObject.Transform')
LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_805.EdGraphPin_40083'
End Object
Begin Object Name="EdGraphPin_40104"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_361.EdGraphPin_35963'
End Object
bIsPureFunc=True
bIsConstFunc=True
FunctionReference=(MemberName="GetTransform",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_40104'
Pins(1)=EdGraphPin'EdGraphPin_40105'
NodePosX=-3456
NodePosY=2336
NodeGuid=94249EE0843945DF427D599849A9F296
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_561"
Begin Object Class=EdGraphPin Name="EdGraphPin_36787"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36786"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36785"
End Object
Begin Object Name="EdGraphPin_36787"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36786"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36785"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_36275'
End Object
InputActionName="Jump"
Pins(0)=EdGraphPin'EdGraphPin_36785'
Pins(1)=EdGraphPin'EdGraphPin_36786'
Pins(2)=EdGraphPin'EdGraphPin_36787'
NodePosX=-3776
NodePosY=2128
NodeGuid=93A6F14547A60E1378350CAE99842395
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_526"
Begin Object Class=EdGraphPin Name="EdGraphPin_36278"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36277"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36276"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36275"
End Object
Begin Object Name="EdGraphPin_36278"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36277"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_805.EdGraphPin_40080'
End Object
Begin Object Name="EdGraphPin_36276"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1846.EdGraphPin_36722'
End Object
Begin Object Name="EdGraphPin_36275"
PinName="execute"

```

```

        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_InputAction_561.EdGraphPin_36785'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_36275'
    Pins(1)=EdGraphPin'EdGraphPin_36276'
    Pins(2)=EdGraphPin'EdGraphPin_36277'
    Pins(3)=EdGraphPin'EdGraphPin_36278'
    NodePosX=-3520
    NodePosY=2128
    NodeGuid=ACEE52AD4D512882776AABA39356F4D8
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1846"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36723"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_36722"
            End Object
            Begin Object Name="EdGraphPin_36723"
                PinName="self"
                PinFriendlyName="Target"
                PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
                bHidden=True
            End Object
            Begin Object Name="EdGraphPin_36722"
                PinName="insideB"
                Direction=EGPD_Output
                PinType=(PinCategory="bool")
                AutogeneratedDefaultValue="false"
                LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_526.EdGraphPin_36276'
            End Object
            VariableReference=(MemberName="insideB",bSelfContext=True)
            Pins(0)=EdGraphPin'EdGraphPin_36722'
            Pins(1)=EdGraphPin'EdGraphPin_36723'
            NodePosX=-3728
            NodePosY=2272
            NodeGuid=3CCB424C45806C2762F9E29A74D22412
        End Object
        Begin Object Class=K2Node_Literal Name="K2Node_Literal_361"
            Begin Object Class=EdGraphPin Name="EdGraphPin_35963"
                End Object
                Begin Object Name="EdGraphPin_35963"
                    PinName="TriggerSphere-1"
                    PinFriendlyName="TriggerSphere-1"
                    Direction=EGPD_Output
                    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
                    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_19425.EdGraphPin_40104'
                End Object
                ObjectRef=TriggerSphere'/Game/Maps/level01.level01:PersistentLevel.TriggerSphereB'
                Pins(0)=EdGraphPin'EdGraphPin_35963'
                NodePosX=-3728
                NodePosY=2368
                NodeGuid=B1F7EE884A7668608760AEB32FA18C23
            End Object
            Begin Object Class=K2Node_Literal Name="K2Node_Literal_309"
                Begin Object Class=EdGraphPin Name="EdGraphPin_35966"
                    End Object
                    Begin Object Name="EdGraphPin_35966"
                        PinName="TriggerSphere-1"
                        PinFriendlyName="TriggerSphere-1"
                        Direction=EGPD_Output
                        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
                        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16657.EdGraphPin_39861'
                    End Object
                    ObjectRef=TriggerSphere'/Game/Maps/level01.level01:PersistentLevel.TriggerSphereA'
                    Pins(0)=EdGraphPin'EdGraphPin_35966'
                    NodePosX=-3760
                    NodePosY=1984
                    NodeGuid=F18BA8014A68A5E8F28B2A9E06482255
                End Object
                Begin Object Class=K2Node_Literal Name="K2Node_Literal_4840"
                    Begin Object Class=EdGraphPin Name="EdGraphPin_35969"
                        End Object
                        Begin Object Name="EdGraphPin_35969"
                            PinName="StaticMeshActor-1"
                            PinFriendlyName="StaticMeshActor-1"
                            Direction=EGPD_Output
                            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
                            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_386.EdGraphPin_39817'
                        End Object
                        ObjectRef=StaticMeshActor'/Game/Maps/level01.level01:PersistentLevel.1'
                        Pins(0)=EdGraphPin'EdGraphPin_35969'
                        NodePosX=-4080
                        NodePosY=3296
                        NodeGuid=786FCF22458B6B00CB5210A623932C3F
                    End Object
                    Begin Object Class=K2Node_Literal Name="K2Node_Literal_5014"
                        Begin Object Class=EdGraphPin Name="EdGraphPin_35972"
                            End Object
                            Begin Object Name="EdGraphPin_35972"
                                PinName="StaticMeshActor-1"
                                PinFriendlyName="StaticMeshActor-1"
                                Direction=EGPD_Output
                                PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
                                LinkedTo(0)=EdGraphPin'K2Node_VariableGet_122.EdGraphPin_39766'
                            End Object
                            ObjectRef=StaticMeshActor'/Game/Maps/level01.level01:PersistentLevel.2'
                            Pins(0)=EdGraphPin'EdGraphPin_35972'
                            NodePosX=-4080

```

```

NodePosY=3520
NodeGuid=9E0EAAA54A6A8654B83BC4FA25B21E7
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_459"
Begin Object Class=EdGraphPin Name="EdGraphPin_36290"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36289"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36288"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36287"
End Object
Begin Object Name="EdGraphPin_36290"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36289"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_7291.EdGraphPin_40158'
End Object
Begin Object Name="EdGraphPin_36288"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_3037.EdGraphPin_36635'
End Object
Begin Object Name="EdGraphPin_36287"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputAction_1247.EdGraphPin_36641'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36287'
Pins(1)=EdGraphPin'EdGraphPin_36288'
Pins(2)=EdGraphPin'EdGraphPin_36289'
Pins(3)=EdGraphPin'EdGraphPin_36290'
NodePosX=-3840
NodePosY=4320
NodeGuid=E2577AB64B43FA66814BF99110948952
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_1247"
Begin Object Class=EdGraphPin Name="EdGraphPin_36643"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36642"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36641"
End Object
Begin Object Name="EdGraphPin_36643"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36642"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36641"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_459.EdGraphPin_36287'
End Object
InputActionName="Jump"
Pins(0)=EdGraphPin'EdGraphPin_36641'
Pins(1)=EdGraphPin'EdGraphPin_36642'
Pins(2)=EdGraphPin'EdGraphPin_36643'
NodePosX=-4048
NodePosY=4224
NodeGuid=8515BA75459CF065ABD5B38641AA8332
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_2987"
Begin Object Class=EdGraphPin Name="EdGraphPin_36651"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36650"
End Object
Begin Object Name="EdGraphPin_36651"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_36650"
PinName="insideA"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_458.EdGraphPin_36603'
End Object
VariableReference=(MemberName="insideA",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36650'

```

```

Pins(1)=EdGraphPin'EdGraphPin_36651'
NodePosX=-4048
NodePosY=4096
NodeGuid=1F992F3848ED43AF73564C988D112EB7
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_3037"
Begin Object Class=EdGraphPin Name="EdGraphPin_36636"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36635"
End Object
Begin Object Name="EdGraphPin_36636"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_36635"
PinName="insideB"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_459.EdGraphPin_36288'
End Object
VariableReference=(MemberName="insideB",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36635'
Pins(1)=EdGraphPin'EdGraphPin_36636'
NodePosX=-4048
NodePosY=4384
NodeGuid=E2BBE4E34AD57E3A0349D7A8A636F3F
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_1946"
Begin Object Class=EdGraphPin Name="EdGraphPin_36628"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36627"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36626"
End Object
Begin Object Name="EdGraphPin_36628"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36627"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36626"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_458.EdGraphPin_36602'
End Object
InputActionName="Jump"
Pins(0)=EdGraphPin'EdGraphPin_36626'
Pins(1)=EdGraphPin'EdGraphPin_36627'
Pins(2)=EdGraphPin'EdGraphPin_36628'
NodePosX=-4048
NodePosY=3952
NodeGuid=3EEE32734275DD8874C997981C8DFB6B
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_458"
Begin Object Class=EdGraphPin Name="EdGraphPin_36605"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36604"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36603"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36602"
End Object
Begin Object Name="EdGraphPin_36605"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36604"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_7291.EdGraphPin_40158'
End Object
Begin Object Name="EdGraphPin_36603"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_2987.EdGraphPin_36650'
End Object
Begin Object Name="EdGraphPin_36602"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_InputAction_1946.EdGraphPin_36626'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36602'

```

```

Pins(1)=EdGraphPin'EdGraphPin_36603'
Pins(2)=EdGraphPin'EdGraphPin_36604'
Pins(3)=EdGraphPin'EdGraphPin_36605'
NodePosX=-3840
NodePosY=3968
NodeGuid=F8C798684589C4CFB59B08AB0005E0BD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_15716"
Begin Object Class=EdGraphPin Name="EdGraphPin_40115"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40114"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40113"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40112"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40111"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40110"
End Object
Begin Object Name="EdGraphPin_40115"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
End Object
Begin Object Name="EdGraphPin_40114"
PinName="bRemovePrefixString"
PinType=(PinCategory="bool")
DefaultValue="true"
AutogeneratedDefaultValue="true"
bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40113"
PinName="WorldContextObject"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
bHidden=True
End Object
Begin Object Name="EdGraphPin_40112"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
DefaultObject=Default__GameplayStatics
bHidden=True
End Object
Begin Object Name="EdGraphPin_40111"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5326.EdGraphPin_40230'
End Object
Begin Object Name="EdGraphPin_40110"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_38530'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetCurrentLevelName")
Pins(0)=EdGraphPin'EdGraphPin_40110'
Pins(1)=EdGraphPin'EdGraphPin_40111'
Pins(2)=EdGraphPin'EdGraphPin_40112'
Pins(3)=EdGraphPin'EdGraphPin_40113'
Pins(4)=EdGraphPin'EdGraphPin_40114'
Pins(5)=EdGraphPin'EdGraphPin_40115'
NodePosX=-3248
NodePosY=2880
NodeGuid=CF4D3666499F2266A1FC9487C07263B5
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3887"
Begin Object Class=EdGraphPin Name="EdGraphPin_40133"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40132"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40131"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40130"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40129"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40128"
End Object
Begin Object Name="EdGraphPin_40133"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_40132"
PinName="NewMaxMoveSpeed"
PinType=(PinCategory="float")
DefaultValue="125"
AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_40131"
PinName="TheCharacter"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3888.EdGraphPin_40149'

```

```

End Object
Begin Object Name="EdGraphPin_40130"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40129"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40128"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_298.EdGraphPin_38529'
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="CharacterMovement__SetMaxMoveSpeed")
Pins(0)=EdGraphPin'EdGraphPin_40128'
Pins(1)=EdGraphPin'EdGraphPin_40129'
Pins(2)=EdGraphPin'EdGraphPin_40130'
Pins(3)=EdGraphPin'EdGraphPin_40131'
Pins(4)=EdGraphPin'EdGraphPin_40132'
Pins(5)=EdGraphPin'EdGraphPin_40133'
NodePosX=-3008
NodePosY=2720
NodeGuid=7746D01C4EB21F22E5A6CAB1F7DC4E49
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3888"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40149"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40148"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40147"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40146"
        End Object
    Begin Object Name="EdGraphPin_40149"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_40131'
    End Object
    Begin Object Name="EdGraphPin_40148"
        PinName="PlayerIndex"
        PinType=(PinCategory="int")
        DefaultValue=0
        AutogeneratedDefaultValue=0
    End Object
    Begin Object Name="EdGraphPin_40147"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40146"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetPlayerCharacter")
    Pins(0)=EdGraphPin'EdGraphPin_40146'
    Pins(1)=EdGraphPin'EdGraphPin_40147'
    Pins(2)=EdGraphPin'EdGraphPin_40148'
    Pins(3)=EdGraphPin'EdGraphPin_40149'
    NodePosX=-3568
    NodePosY=2752
    NodeGuid=C89A75924FE15DAC23588B99281E5D60
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_7291"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40165"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40164"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40163"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40162"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40161"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40160"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40159"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40158"
        End Object
    Begin Object Name="EdGraphPin_40165"
        PinName="StartTime"
        PinType=(PinCategory="float")
        DefaultValue=0.000000
        AutogeneratedDefaultValue=0.000000
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_40164"

```



```

        PinName="PitchMultiplier"
        PinType=(PinCategory="float")
        DefaultValue="1.000000"
        AutogeneratedDefaultValue="1.000000"
        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_40163"
    PinName="VolumeMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40162"
    PinName="Sound"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
    DefaultObject=SoundWave'/Game/Mario_Coin.Mario_Coin'
End Object
Begin Object Name="EdGraphPin_40161"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40160"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40159"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4200.EdGraphPin_40596'
End Object
Begin Object Name="EdGraphPin_40158"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_458.EdGraphPin_36604'
    LinkedTo(1)=EdGraphPin'K2Node_IfThenElse_459.EdGraphPin_36289'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
Pins(0)=EdGraphPin'EdGraphPin_40158'
Pins(1)=EdGraphPin'EdGraphPin_40159'
Pins(2)=EdGraphPin'EdGraphPin_40160'
Pins(3)=EdGraphPin'EdGraphPin_40161'
Pins(4)=EdGraphPin'EdGraphPin_40162'
Pins(5)=EdGraphPin'EdGraphPin_40163'
Pins(6)=EdGraphPin'EdGraphPin_40164'
Pins(7)=EdGraphPin'EdGraphPin_40165'
NodePosX=-3600
NodePosY=4128
NodeGuid=475C13FA488F58DA1B53E4851DE2A10A
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_341"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36477"
        End Object
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36476"
        End Object
    End Object
    Begin Object Name="EdGraphPin_36477"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_36476"
        PinName="insideB"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1953.EdGraphPin_36186'
    End Object
    VariableReference=(MemberName="insideB",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_36476'
    Pins(1)=EdGraphPin'EdGraphPin_36477'
    NodePosX=-2112
    NodePosY=2528
    NodeGuid=DFD05F40448F432A0D51C4986DA4493C
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_1953"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36188"
        End Object
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36187"
        End Object
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36186"
        End Object
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36185"
        End Object
    End Object
    Begin Object Name="EdGraphPin_36188"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_36187"

```

```

        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2934.EdGraphPin_36533'
    End Object
    Begin Object Name="EdGraphPin_36186"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_341.EdGraphPin_36476'
    End Object
    Begin Object Name="EdGraphPin_36185"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_InputAction_61.EdGraphPin_36374'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_36185'
    Pins(1)=EdGraphPin'EdGraphPin_36186'
    Pins(2)=EdGraphPin'EdGraphPin_36187'
    Pins(3)=EdGraphPin'EdGraphPin_36188'
    NodePosX=-1920
    NodePosY=2416
    NodeGuid=C0370CA045CCFCECE3404FB3404D2608
End Object
Begin Object Class=K2Node_InputAction Name="K2Node_InputAction_61"
Begin Object Class=EdGraphPin Name="EdGraphPin_36376"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36375"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36374"
End Object
Begin Object Name="EdGraphPin_36376"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36375"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36374"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1953.EdGraphPin_36185'
End Object
InputActionName="Jump"
Pins(0)=EdGraphPin'EdGraphPin_36374'
Pins(1)=EdGraphPin'EdGraphPin_36375'
Pins(2)=EdGraphPin'EdGraphPin_36376'
NodePosX=-2128
NodePosY=2368
NodeGuid=11FF4CBC4BB6096A7EDECB8C9ED95AAE
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4546"
Begin Object Class=EdGraphPin Name="EdGraphPin_36014"
End Object
Begin Object Name="EdGraphPin_36014"
    PinName="TriggerSphere-1"
    PinFriendlyName="TriggerSphere-1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.TriggerSphere')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22080.EdGraphPin_40013'
End Object
ObjectRef=TriggerSphere'/Game/Maps/Level01.Level01.PersistentLevel.TriggerSphere'
Pins(0)=EdGraphPin'EdGraphPin_36014'
NodePosX=-1712
NodePosY=1424
NodeGuid=6F24517E4ABBC2355159E09E5DCC3C63
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_3020"
Begin Object Class=EdGraphPin Name="EdGraphPin_36180"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36179"
End Object
Begin Object Name="EdGraphPin_36180"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36179"
    PinName="insideB"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_30.EdGraphPin_36999'
End Object
VariableReference=(MemberName="insideB",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36179'
Pins(1)=EdGraphPin'EdGraphPin_36180'
NodePosX=-3232
NodePosY=3120

```

```

NodeGuid=866844834CD442539663518717CD4CBC
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_4872"
Begin Object Class=EdGraphPin Name="EdGraphPin_36020"
End Object
Begin Object Name="EdGraphPin_36020"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4224.EdGraphPin_39989'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_4225.EdGraphPin_39941'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/level01.level01:PersistentLevel.1'
Pins(0)=EdGraphPin'EdGraphPin_36020'
NodePosX=-2800
NodePosY=1328
NodeGuid=614B3C7A49F49A25EB6BE4A56AE00A25
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_2797"
Begin Object Class=EdGraphPin Name="EdGraphPin_36023"
End Object
Begin Object Name="EdGraphPin_36023"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_21981.EdGraphPin_40074'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/level01.level01:PersistentLevel.2'
Pins(0)=EdGraphPin'EdGraphPin_36023'
NodePosX=-2640
NodePosY=816
NodeGuid=7D72CD414D99B04077CD0E9B87532C14
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_5138"
Begin Object Class=EdGraphPin Name="EdGraphPin_36026"
End Object
Begin Object Name="EdGraphPin_36026"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_6584.EdGraphPin_39975'
LinkedTo(1)=EdGraphPin'K2Node_CallFunction_5325.EdGraphPin_39902'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/level01.level01:PersistentLevel.2'
Pins(0)=EdGraphPin'EdGraphPin_36026'
NodePosX=-3504
NodePosY=976
NodeGuid=76516E464AAB27B13D5AADB0E004DE98
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_705"
Begin Object Class=EdGraphPin Name="EdGraphPin_39465"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39464"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39463"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39462"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39461"
End Object
Begin Object Name="EdGraphPin_39465"
PinName="[3]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10246.EdGraphPin_36080'
End Object
Begin Object Name="EdGraphPin_39464"
PinName="[2]"
PinType=(PinCategory="string")
DefaultValue="1"
End Object
Begin Object Name="EdGraphPin_39463"
PinName="[1]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10598.EdGraphPin_36317'
End Object
Begin Object Name="EdGraphPin_39462"
PinName="[0]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10597.EdGraphPin_36311'
End Object
Begin Object Name="EdGraphPin_39461"
PinName="Array"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16430.EdGraphPin_40183'
End Object
NumInputs=4
Pins(0)=EdGraphPin'EdGraphPin_39461'
Pins(1)=EdGraphPin'EdGraphPin_39462'
Pins(2)=EdGraphPin'EdGraphPin_39463'
Pins(3)=EdGraphPin'EdGraphPin_39464'
Pins(4)=EdGraphPin'EdGraphPin_39465'
NodePosX=-2480
NodePosY=1840

```

```

NodeGuid=41C9C23B46E695E24E8E6C99DA1BE32B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16430"
Begin Object Class=EdGraphPin Name="EdGraphPin_40185"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40184"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40183"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40182"
End Object
Begin Object Name="EdGraphPin_40185"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin' K2Node_MakeArray_706.EdGraphPin_39453'
End Object
Begin Object Name="EdGraphPin_40184"
PinName="Separator"
PinType=(PinCategory="string")
DefaultValue=", "
AutogeneratedDefaultValue=" "
End Object
Begin Object Name="EdGraphPin_40183"
PinName="SourceArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin' K2Node_MakeArray_705.EdGraphPin_39461'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40182"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="JoinStringArray")
Pins(0)=EdGraphPin'EdGraphPin_40182'
Pins(1)=EdGraphPin'EdGraphPin_40183'
Pins(2)=EdGraphPin'EdGraphPin_40184'
Pins(3)=EdGraphPin'EdGraphPin_40185'
NodePosX=-2272
NodePosY=1840
NodeGuid=52B71102424A89538CE66AAC92FA39EE
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_704"
Begin Object Class=EdGraphPin Name="EdGraphPin_39411"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39410"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39409"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39408"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39407"
End Object
Begin Object Name="EdGraphPin_39411"
PinName="[3]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin' K2Node_VariableGet_10260.EdGraphPin_36068'
End Object
Begin Object Name="EdGraphPin_39410"
PinName="[2]"
PinType=(PinCategory="string")
DefaultValue="0"
End Object
Begin Object Name="EdGraphPin_39409"
PinName="[1]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin' K2Node_VariableGet_10600.EdGraphPin_36323'
End Object
Begin Object Name="EdGraphPin_39408"
PinName="[0]"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin' K2Node_VariableGet_10599.EdGraphPin_36269'
End Object
Begin Object Name="EdGraphPin_39407"
PinName="Array"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin' K2Node_CallFunction_16431.EdGraphPin_40195'
End Object
NumInputs=4
Pins(0)=EdGraphPin'EdGraphPin_39407'
Pins(1)=EdGraphPin'EdGraphPin_39408'
Pins(2)=EdGraphPin'EdGraphPin_39409'
Pins(3)=EdGraphPin'EdGraphPin_39410'
Pins(4)=EdGraphPin'EdGraphPin_39411'
NodePosX=-2480
NodePosY=1984
NodeGuid=8F24FAAF48C39044122391B3031DD2E3
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16431"
Begin Object Class=EdGraphPin Name="EdGraphPin_40197"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40196"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40195"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40194"
End Object
Begin Object Name="EdGraphPin_40197"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_706.EdGraphPin_39454'
End Object
Begin Object Name="EdGraphPin_40196"
    PinName="Separator"
    PinType=(PinCategory="string")
    DefaultValue=", "
    AutogeneratedDefaultValue=" "
End Object
Begin Object Name="EdGraphPin_40195"
    PinName="SourceArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_704.EdGraphPin_39407'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40194"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="JoinStringArray")
Pins(0)=EdGraphPin'EdGraphPin_40194'
Pins(1)=EdGraphPin'EdGraphPin_40195'
Pins(2)=EdGraphPin'EdGraphPin_40196'
Pins(3)=EdGraphPin'EdGraphPin_40197'
NodePosX=-2272
NodePosY=1984
NodeGuid=84F681A24213D0641FAE388D8D3A654F
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_687"
Begin Object Class=EdGraphPin Name="EdGraphPin_39426"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39425"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39424"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39423"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39422"
End Object
Begin Object Name="EdGraphPin_39426"
    PinName="[3]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10249.EdGraphPin_36074'
End Object
Begin Object Name="EdGraphPin_39425"
    PinName="[2]"
    PinType=(PinCategory="string")
    DefaultValue="0"
End Object
Begin Object Name="EdGraphPin_39424"
    PinName="[1]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10602.EdGraphPin_36149'
End Object
Begin Object Name="EdGraphPin_39423"
    PinName="[0]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10601.EdGraphPin_36368'
End Object
Begin Object Name="EdGraphPin_39422"
    PinName="Array"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16314.EdGraphPin_40207'
End Object
NumInputs=4
Pins(0)=EdGraphPin'EdGraphPin_39422'
Pins(1)=EdGraphPin'EdGraphPin_39423'
Pins(2)=EdGraphPin'EdGraphPin_39424'
Pins(3)=EdGraphPin'EdGraphPin_39425'
Pins(4)=EdGraphPin'EdGraphPin_39426'
NodePosX=-2480
NodePosY=2128
NodeGuid=3A5C81274D7A3E14B97EA38FA0B69762
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16314"
Begin Object Class=EdGraphPin Name="EdGraphPin_40209"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40208"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40207"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40206"
End Object
Begin Object Name="EdGraphPin_40209"

```

```

        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_703.EdGraphPin_39399'
    End Object
Begin Object Name="EdGraphPin_40208"
    PinName="Separator"
    PinType=(PinCategory="string")
    DefaultValue=", "
    AutogeneratedDefaultValue=" "
End Object
Begin Object Name="EdGraphPin_40207"
    PinName="SourceArray"
    PinType=(PinCategory="string", bIsArray=True, bIsReference=True, bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_687.EdGraphPin_39422'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40206"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object", PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary', MemberName="JoinStringArray")
Pins(0)=EdGraphPin'EdGraphPin_40206'
Pins(1)=EdGraphPin'EdGraphPin_40207'
Pins(2)=EdGraphPin'EdGraphPin_40208'
Pins(3)=EdGraphPin'EdGraphPin_40209'
NodePosX=-2272
NodePosY=2128
NodeGuid=94D140A0417393F3E0ED35A99FC19338
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_688"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39441"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39440"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39439"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39438"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39437"
        End Object
    Begin Object Name="EdGraphPin_39441"
        PinName="[3]"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10248.EdGraphPin_36104'
    End Object
    Begin Object Name="EdGraphPin_39440"
        PinName="[2]"
        PinType=(PinCategory="string")
        DefaultValue="1"
    End Object
    Begin Object Name="EdGraphPin_39439"
        PinName="[]"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_5392.EdGraphPin_36161'
    End Object
    Begin Object Name="EdGraphPin_39438"
        PinName="[0]"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_5200.EdGraphPin_36155'
    End Object
    Begin Object Name="EdGraphPin_39437"
        PinName="Array"
        Direction=EGPD_Output
        PinType=(PinCategory="string", bIsArray=True, bIsReference=True, bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16315.EdGraphPin_40219'
    End Object
    NumInputs=4
    Pins(0)=EdGraphPin'EdGraphPin_39437'
    Pins(1)=EdGraphPin'EdGraphPin_39438'
    Pins(2)=EdGraphPin'EdGraphPin_39439'
    Pins(3)=EdGraphPin'EdGraphPin_39440'
    Pins(4)=EdGraphPin'EdGraphPin_39441'
    NodePosX=-2480
    NodePosY=2272
    NodeGuid=62BBE11741DDC35FD633BAB621B88806
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16315"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40221"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40220"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40219"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40218"
        End Object
    Begin Object Name="EdGraphPin_40221"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_703.EdGraphPin_39400'
    End Object
    Begin Object Name="EdGraphPin_40220"

```

```

        PinName="Separator"
        PinType=(PinCategory="string")
        DefaultValue=" "
        AutogeneratedDefaultValue=" "
    End Object
Begin Object Name="EdGraphPin_40219"
    PinName="SourceArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_688.EdGraphPin_39437'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40218"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="JoinStringArray")
Pins(0)=EdGraphPin'EdGraphPin_40218'
Pins(1)=EdGraphPin'EdGraphPin_40219'
Pins(2)=EdGraphPin'EdGraphPin_40220'
Pins(3)=EdGraphPin'EdGraphPin_40221'
NodePosX=-2272
NodePosY=2272
NodeGuid=1B500FE14F7FF0E42EAFD58E8F80FCDA
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_706"
Begin Object Class=EdGraphPin Name="EdGraphPin_39454"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39453"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39452"
End Object
Begin Object Name="EdGraphPin_39454"
    PinName="[]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16431.EdGraphPin_40197'
End Object
Begin Object Name="EdGraphPin_39453"
    PinName="[]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16430.EdGraphPin_40185'
End Object
Begin Object Name="EdGraphPin_39452"
    PinName="Array"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2933.EdGraphPin_36496'
End Object
NumInputs=2
Pins(0)=EdGraphPin'EdGraphPin_39452'
Pins(1)=EdGraphPin'EdGraphPin_39453'
Pins(2)=EdGraphPin'EdGraphPin_39454'
NodePosX=-1984
NodePosY=1920
NodeGuid=63C69F274C73DFF72ED2AA32AD7339F
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_703"
Begin Object Class=EdGraphPin Name="EdGraphPin_39400"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39399"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39398"
End Object
Begin Object Name="EdGraphPin_39400"
    PinName="[]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16315.EdGraphPin_40221'
End Object
Begin Object Name="EdGraphPin_39399"
    PinName="[]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16314.EdGraphPin_40209'
End Object
Begin Object Name="EdGraphPin_39398"
    PinName="Array"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2934.EdGraphPin_36535'
End Object
NumInputs=2
Pins(0)=EdGraphPin'EdGraphPin_39398'
Pins(1)=EdGraphPin'EdGraphPin_39399'
Pins(2)=EdGraphPin'EdGraphPin_39400'
NodePosX=-1984
NodePosY=2160
NodeGuid=CB3E18D642A16F4EBA3A23BC4A99B5E3
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2834"
Begin Object Class=EdGraphPin Name="EdGraphPin_36170"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36169"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36168"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_36167"
End Object
Begin Object Name="EdGraphPin_36170"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36169"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2933.EdGraphPin_36494'
End Object
Begin Object Name="EdGraphPin_36168"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_7837.EdGraphPin_36305'
End Object
Begin Object Name="EdGraphPin_36167"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputAction_972.EdGraphPin_36794'
End Object
Pins(0)=EdGraphPin'EdGraphPin_36167'
Pins(1)=EdGraphPin'EdGraphPin_36168'
Pins(2)=EdGraphPin'EdGraphPin_36169'
Pins(3)=EdGraphPin'EdGraphPin_36170'
NodePosX=-1856
NodePosY=1728
NodeGuid=758407D1466FE1B5C467B8A7F6384C31
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_4093"
Begin Object Class=EdGraphPin Name="EdGraphPin_36126"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36125"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36124"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36123"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36122"
End Object
Begin Object Name="EdGraphPin_36126"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.enva_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36125"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
End Object
Begin Object Name="EdGraphPin_36124"
    PinName="Current_Level"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5326.EdGraphPin_40235'
End Object
Begin Object Name="EdGraphPin_36123"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36122"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5326.EdGraphPin_40231'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36122'
Pins(1)=EdGraphPin'EdGraphPin_36123'
Pins(2)=EdGraphPin'EdGraphPin_36124'
Pins(3)=EdGraphPin'EdGraphPin_36125'
Pins(4)=EdGraphPin'EdGraphPin_36126'
NodePosX=-2160
NodePosY=2896
NodeGuid=760E43E54EA75C2FF0A4E4B6AD01DA84
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5326"
Begin Object Class=EdGraphPin Name="EdGraphPin_40235"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40234"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40233"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40232"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40231"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40230"
End Object
Begin Object Name="EdGraphPin_40235"

```



```

        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4093.EdGraphPin_36124'
    End Object
Begin Object Name="EdGraphPin_40234"
    PinName="bRemovePrefixString"
    PinType=(PinCategory="bool")
    DefaultValue="true"
    AutogeneratedDefaultValue="true"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40233"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40232"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40231"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4093.EdGraphPin_36122'
End Object
Begin Object Name="EdGraphPin_40230"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_15716.EdGraphPin_40111'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetCurrentLevelName")
Pins(0)=EdGraphPin'EdGraphPin_40230'
Pins(1)=EdGraphPin'EdGraphPin_40231'
Pins(2)=EdGraphPin'EdGraphPin_40232'
Pins(3)=EdGraphPin'EdGraphPin_40233'
Pins(4)=EdGraphPin'EdGraphPin_40234'
Pins(5)=EdGraphPin'EdGraphPin_40235'
NodePosX=-2656
NodePosY=2880
NodeGuid=D9FBB6814437F548E9F780B5B77187E8
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10246"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36081"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36080"
        End Object
    Begin Object Name="EdGraphPin_36081"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_36080"
        PinName="0,0,0"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_705.EdGraphPin_39465'
    End Object
    VariableReference=(MemberName="0,0,0",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_36080'
    Pins(1)=EdGraphPin'EdGraphPin_36081'
    NodePosX=-2640
    NodePosY=1952
    NodeGuid=6081361E4244148E8F52AF86BE82405A
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10249"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36075"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36074"
        End Object
    Begin Object Name="EdGraphPin_36075"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_36074"
        PinName="0,0,0"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_687.EdGraphPin_39426'
    End Object
    VariableReference=(MemberName="0,0,0",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_36074'
    Pins(1)=EdGraphPin'EdGraphPin_36075'
    NodePosX=-2640
    NodePosY=2240
    NodeGuid=05D4A35C4A1BA8A24E83ABA4507EFE19
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10260"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36069"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36068"
End Object
Begin Object Name="EdGraphPin_36069"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_36068"
  PinName="0,0,1"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_MakeArray_704.EdGraphPin_39411'
End Object
VariableReference=(MemberName="0,0,1",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36068'
Pins(1)=EdGraphPin'EdGraphPin_36069'
NodePosX=-2640
NodePosY=2096
NodeGuid=992E13CE47F895B5AEE70BB2F57D0052
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10248"
Begin Object Class=EdGraphPin Name="EdGraphPin_36105"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36104"
End Object
Begin Object Name="EdGraphPin_36105"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_36104"
  PinName="0,0,1"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_MakeArray_688.EdGraphPin_39441'
End Object
VariableReference=(MemberName="0,0,1",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36104'
Pins(1)=EdGraphPin'EdGraphPin_36105'
NodePosX=-2640
NodePosY=2384
NodeGuid=3CC16F0D4E36B9C3BFC49E97FD5461E0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10597"
Begin Object Class=EdGraphPin Name="EdGraphPin_36312"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36311"
End Object
Begin Object Name="EdGraphPin_36312"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_36311"
  PinName="n"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_MakeArray_705.EdGraphPin_39462'
End Object
VariableReference=(MemberName="n",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36311'
Pins(1)=EdGraphPin'EdGraphPin_36312'
NodePosX=-2640
NodePosY=1856
NodeGuid=2B8B5C35434D9E02FC2580B894412046
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10598"
Begin Object Class=EdGraphPin Name="EdGraphPin_36318"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36317"
End Object
Begin Object Name="EdGraphPin_36318"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_36317"
  PinName="Current_Level"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_MakeArray_705.EdGraphPin_39463'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36317'
Pins(1)=EdGraphPin'EdGraphPin_36318'
NodePosX=-2640
NodePosY=1904
NodeGuid=CAB713BB42E568EEB6F465836800470B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10599"
Begin Object Class=EdGraphPin Name="EdGraphPin_36270"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_36269"
End Object
Begin Object Name="EdGraphPin_36270"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36269"
    PinName="n"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_704.EdGraphPin_39408'
End Object
VariableReference=(MemberName="n",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36269'
Pins(1)=EdGraphPin'EdGraphPin_36270'
NodePosX=-2640
NodePosY=2000
NodeGuid=80C23A8943F4D2C30A6FF4AA22B1ACB8
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10600"
Begin Object Class=EdGraphPin Name="EdGraphPin_36324"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36323"
End Object
Begin Object Name="EdGraphPin_36324"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36323"
    PinName="Current_Level"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_704.EdGraphPin_39409'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36323'
Pins(1)=EdGraphPin'EdGraphPin_36324'
NodePosX=-2640
NodePosY=2048
NodeGuid=94919F4B40FA8E0D79F1E9A6C1024AF0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10601"
Begin Object Class=EdGraphPin Name="EdGraphPin_36369"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36368"
End Object
Begin Object Name="EdGraphPin_36369"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36368"
    PinName="n"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_687.EdGraphPin_39423'
End Object
VariableReference=(MemberName="n",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36368'
Pins(1)=EdGraphPin'EdGraphPin_36369'
NodePosX=-2640
NodePosY=2144
NodeGuid=429498CD4B2A83A6835E17B5DE545296
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10602"
Begin Object Class=EdGraphPin Name="EdGraphPin_36150"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36149"
End Object
Begin Object Name="EdGraphPin_36150"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36149"
    PinName="Current_Level"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_687.EdGraphPin_39424'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36149'
Pins(1)=EdGraphPin'EdGraphPin_36150'
NodePosX=-2640
NodePosY=2192
NodeGuid=2726D4EC48835522DE90E4ADA7C06B90
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_5200"
Begin Object Class=EdGraphPin Name="EdGraphPin_36156"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36155"

```

```

End Object
Begin Object Name="EdGraphPin_36156"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36155"
    PinName="n"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_688.EdGraphPin_39438'
End Object
VariableReference=(MemberName="n",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36155'
Pins(1)=EdGraphPin'EdGraphPin_36156'
NodePosX=-2640
NodePosY=2288
NodeGuid=CAC4CD744F5686AC000AA0BB92C7E4B0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_5392"
Begin Object Class=EdGraphPin Name="EdGraphPin_36162"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36161"
End Object
Begin Object Name="EdGraphPin_36162"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36161"
    PinName="Current_Level"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_688.EdGraphPin_39439'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36161'
Pins(1)=EdGraphPin'EdGraphPin_36162'
NodePosX=-2640
NodePosY=2336
NodeGuid=229B76DB45331DCC243DE1984CE74927
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_2933"
Begin Object Class=EdGraphPin Name="EdGraphPin_36498"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36497"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36496"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36495"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36494"
End Object
Begin Object Name="EdGraphPin_36498"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36497"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
End Object
Begin Object Name="EdGraphPin_36496"
    PinName="Response"
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_706.EdGraphPin_39452'
End Object
Begin Object Name="EdGraphPin_36495"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_40248'
End Object
Begin Object Name="EdGraphPin_36494"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2834.EdGraphPin_36169'
End Object
VariableReference=(MemberName="Response",MemberGuid=720051F140F2B2A5B36C028C8D12FA25,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36494'
Pins(1)=EdGraphPin'EdGraphPin_36495'
Pins(2)=EdGraphPin'EdGraphPin_36496'
Pins(3)=EdGraphPin'EdGraphPin_36497'
Pins(4)=EdGraphPin'EdGraphPin_36498'
NodePosX=-1616
NodePosY=1904
NodeGuid=362E2CAF4D19811AA5AE69A4C3A1FB0A
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_2934"
Begin Object Class=EdGraphPin Name="EdGraphPin_36537"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36536"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36535"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36534"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36533"
End Object
Begin Object Name="EdGraphPin_36537"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36536"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
End Object
Begin Object Name="EdGraphPin_36535"
    PinName="Response"
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_703.EdGraphPin_39398'
End Object
Begin Object Name="EdGraphPin_36534"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_40248'
End Object
Begin Object Name="EdGraphPin_36533"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1953.EdGraphPin_36187'
End Object
VariableReference=(MemberName="Response",MemberGuid=720051F140F2B2A5B36C028C8D12FA25,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36533'
Pins(1)=EdGraphPin'EdGraphPin_36534'
Pins(2)=EdGraphPin'EdGraphPin_36535'
Pins(3)=EdGraphPin'EdGraphPin_36536'
Pins(4)=EdGraphPin'EdGraphPin_36537'
NodePosX=-1616
NodePosY=2160
NodeGuid=0ADFFD194CA1E684E3475F86E6C053CA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16432"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40255"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40254"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40253"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40252"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40251"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40250"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40249"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40248"
    End Object
    Begin Object Name="EdGraphPin_40255"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_40254"
        PinName="AllowOverWriting"
        PinType=(PinCategory="bool")
        DefaultValue="true"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_40253"
        PinName="SaveText"
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_16639.EdGraphPin_36680'
    End Object
    Begin Object Name="EdGraphPin_40252"
        PinName="JoyfulFileName"
        PinType=(PinCategory="string")
        DefaultValue="set01.txt"
    End Object
    Begin Object Name="EdGraphPin_40251"
        PinName="SaveDirectory"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_5335.EdGraphPin_38696'
    End Object
    Begin Object Name="EdGraphPin_40250"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Victory8PPLibrary.Victory8PFunctionLibrary')
        DefaultObject=Default__Victory8PFunctionLibrary
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40249"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_40248"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2933.EdGraphPin_36495'
    LinkedTo(1)=EdGraphPin'K2Node_VariableSet_2934.EdGraphPin_36534'
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="FileIO__SaveStringArrayToFile")
Pins(0)=EdGraphPin'EdGraphPin_40248'
Pins(1)=EdGraphPin'EdGraphPin_40249'
Pins(2)=EdGraphPin'EdGraphPin_40250'
Pins(3)=EdGraphPin'EdGraphPin_40251'
Pins(4)=EdGraphPin'EdGraphPin_40252'
Pins(5)=EdGraphPin'EdGraphPin_40253'
Pins(6)=EdGraphPin'EdGraphPin_40254'
Pins(7)=EdGraphPin'EdGraphPin_40255'
NodePosX=-1328
NodePosY=1904
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node File IO Save String Array to File from being scheduled"
NodeGuid=D011987A47B419E99989E9FAB959967
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_16639"
Begin Object Class=EdGraphPin Name="EdGraphPin_36681"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36680"
End Object
Begin Object Name="EdGraphPin_36681"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36680"
    PinName="Response"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_40253'
End Object
VariableReference=(MemberName="Response",MemberGuid=720051F140F2B2A5B36C028C8D12FA25,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36680'
Pins(1)=EdGraphPin'EdGraphPin_36681'
NodePosX=-1584
NodePosY=2048
NodeGuid=87C097BC47EFA5AB01003BF7F759CB5
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_36"
Begin Object Class=EdGraphPin Name="EdGraphPin_40275"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40274"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40273"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40272"
End Object
Begin Object Name="EdGraphPin_40275"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36709'
End Object
Begin Object Name="EdGraphPin_40274"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="1"
End Object
Begin Object Name="EdGraphPin_40273"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_148.EdGraphPin_36251'
End Object
Begin Object Name="EdGraphPin_40272"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Add_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40272'
Pins(1)=EdGraphPin'EdGraphPin_40273'
Pins(2)=EdGraphPin'EdGraphPin_40274'
Pins(3)=EdGraphPin'EdGraphPin_40275'
NodePosX=-4032
NodePosY=-576
NodeGuid=FA1644074126161A03A9548E40BE643D
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_117"
Begin Object Class=EdGraphPin Name="EdGraphPin_36711"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36710"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36709"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36708"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36707"
End Object
Begin Object Name="EdGraphPin_36711"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36710"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_40285'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_40297'
    LinkedTo(2)=EdGraphPin'K2Node_CallFunction_3078.EdGraphPin_40309'
    LinkedTo(3)=EdGraphPin'K2Node_CallFunction_3079.EdGraphPin_40321'
    LinkedTo(4)=EdGraphPin'K2Node_CallFunction_3075.EdGraphPin_40333'
End Object
Begin Object Name="EdGraphPin_36709"
    PinName="Counter"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_40275'
End Object
Begin Object Name="EdGraphPin_36708"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_37064'
End Object
Begin Object Name="EdGraphPin_36707"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputKey_588.EdGraphPin_36344'
    LinkedTo(1)=EdGraphPin'K2Node_InputKey_1035.EdGraphPin_36353'
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36707'
Pins(1)=EdGraphPin'EdGraphPin_36708'
Pins(2)=EdGraphPin'EdGraphPin_36709'
Pins(3)=EdGraphPin'EdGraphPin_36710'
Pins(4)=EdGraphPin'EdGraphPin_36711'
NodePosX=-3872
NodePosY=-688
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \\nError The property associated with Counter could not be fo
NodeGuid=FA22FF0843C864C449DA6B84CD90DB1
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_148"
Begin Object Class=EdGraphPin Name="EdGraphPin_36252"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36251"
End Object
Begin Object Name="EdGraphPin_36252"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_36251"
    PinName="Counter"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_36.EdGraphPin_40273'
End Object
VariableReference=(MemberName="Counter",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_36251'
Pins(1)=EdGraphPin'EdGraphPin_36252'
NodePosX=-4208
NodePosY=-496
ErrorType=1
ErrorMsg="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\\nMake sure \"begin_DCE_C\" has been compiled for Get Counter \\nError The property associated with Counter could not be fo
NodeGuid=06D91958412E3CFD16393DA60A90E2EF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3077"
Begin Object Class=EdGraphPin Name="EdGraphPin_40287"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40286"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40285"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40284"
End Object
Begin Object Name="EdGraphPin_40287"
    PinName="ReturnValue"
    Direction=EGPD_Output

```

```

        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_37065'
    End Object
Begin Object Name="EdGraphPin_40286"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40285"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36710'
End Object
Begin Object Name="EdGraphPin_40284"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40284'
Pins(1)=EdGraphPin'EdGraphPin_40285'
Pins(2)=EdGraphPin'EdGraphPin_40286'
Pins(3)=EdGraphPin'EdGraphPin_40287'
NodePosX=-3664
NodePosY=-688
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=0023FCB840AC5F28B3F45B88BC2F8AD2
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3076"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40299"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40298"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40297"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40296"
    End Object
    Begin Object Name="EdGraphPin_40299"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_37077'
    End Object
    Begin Object Name="EdGraphPin_40298"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="2"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40297"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36710'
    End Object
    Begin Object Name="EdGraphPin_40296"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40296'
    Pins(1)=EdGraphPin'EdGraphPin_40297'
    Pins(2)=EdGraphPin'EdGraphPin_40298'
    Pins(3)=EdGraphPin'EdGraphPin_40299'
    NodePosX=-3664
    NodePosY=-608
    ErrorType=1
    ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
    NodeGuid=1A898261463E5AC78A4D829421AC208D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3078"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40311"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40310"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40309"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40308"
    End Object
    Begin Object Name="EdGraphPin_40311"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")

```



```

    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_90.EdGraphPin_37185'
End Object
Begin Object Name="EdGraphPin_40310"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="4"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40309"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36710'
End Object
Begin Object Name="EdGraphPin_40308"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40308'
Pins(1)=EdGraphPin'EdGraphPin_40309'
Pins(2)=EdGraphPin'EdGraphPin_40310'
Pins(3)=EdGraphPin'EdGraphPin_40311'
NodePosX=-3664
NodePosY=-448
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=803298014DE523407275339E68962488
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3079"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40323"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40322"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40321"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40320"
        End Object
    Begin Object Name="EdGraphPin_40323"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_37110'
    End Object
    Begin Object Name="EdGraphPin_40322"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="3"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40321"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36710'
    End Object
    Begin Object Name="EdGraphPin_40320"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40320'
    Pins(1)=EdGraphPin'EdGraphPin_40321'
    Pins(2)=EdGraphPin'EdGraphPin_40322'
    Pins(3)=EdGraphPin'EdGraphPin_40323'
    NodePosX=-3664
    NodePosY=-528
    ErrorType=1
    ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
    NodeGuid=CAE056B049BE1ED0A6A7A796385866B5
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3075"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40335"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40334"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40333"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40332"
        End Object
    Begin Object Name="EdGraphPin_40335"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"

```

```

    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_86.EdGraphPin_37161'
End Object
Begin Object Name="EdGraphPin_40334"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="5"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40333"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36710'
End Object
Begin Object Name="EdGraphPin_40332"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40332'
Pins(1)=EdGraphPin'EdGraphPin_40333'
Pins(2)=EdGraphPin'EdGraphPin_40334'
Pins(3)=EdGraphPin'EdGraphPin_40335'
NodePosX=-3664
NodePosY=-368
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Equal (integer) from being scheduled"
NodeGuid=E60DBCCB4E88368DE29A958F697D8E86
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_87"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37067"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37066"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37065"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37064"
        End Object
    Begin Object Name="EdGraphPin_37067"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_37076'
    End Object
    Begin Object Name="EdGraphPin_37066"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_40350'
    End Object
    Begin Object Name="EdGraphPin_37065"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3077.EdGraphPin_40287'
    End Object
    Begin Object Name="EdGraphPin_37064"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36708'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37064'
    Pins(1)=EdGraphPin'EdGraphPin_37065'
    Pins(2)=EdGraphPin'EdGraphPin_37066'
    Pins(3)=EdGraphPin'EdGraphPin_37067'
    NodePosX=-3504
    NodePosY=-720
    ErrorType=1
    ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
    NodeGuid=67B040CB412C659E54538CA07D7EAB5D
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_88"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37079"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37078"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37077"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37076"
        End Object
    Begin Object Name="EdGraphPin_37079"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_37109'
    End Object
    Begin Object Name="EdGraphPin_37078"
        PinName="then"

```

```

        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_40362'
    End Object
Begin Object Name="EdGraphPin_37077"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3076.EdGraphPin_40299'
End Object
Begin Object Name="EdGraphPin_37076"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_37067'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37076'
Pins(1)=EdGraphPin'EdGraphPin_37077'
Pins(2)=EdGraphPin'EdGraphPin_37078'
Pins(3)=EdGraphPin'EdGraphPin_37079'
NodePosX=-3312
NodePosY=-640
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=4813E5BD4BAC6C01AE9BD8884E3C7EA7
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_89"
Begin Object Class=EdGraphPin Name="EdGraphPin_37112"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37111"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37110"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37109"
End Object
Begin Object Name="EdGraphPin_37112"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_90.EdGraphPin_37184'
End Object
Begin Object Name="EdGraphPin_37111"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_40374'
End Object
Begin Object Name="EdGraphPin_37110"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3079.EdGraphPin_40323'
End Object
Begin Object Name="EdGraphPin_37109"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_37079'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37109'
Pins(1)=EdGraphPin'EdGraphPin_37110'
Pins(2)=EdGraphPin'EdGraphPin_37111'
Pins(3)=EdGraphPin'EdGraphPin_37112'
NodePosX=-3120
NodePosY=-560
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=05417B44431CCF4589525180B710E1CF
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_90"
Begin Object Class=EdGraphPin Name="EdGraphPin_37187"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37186"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37185"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37184"
End Object
Begin Object Name="EdGraphPin_37187"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_86.EdGraphPin_37160'
End Object
Begin Object Name="EdGraphPin_37186"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34688.EdGraphPin_40386'
End Object
Begin Object Name="EdGraphPin_37185"
    PinName="Condition"

```

```

        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3078.EdGraphPin_40311'
    End Object
Begin Object Name="EdGraphPin_37184"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_37112'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37184'
Pins(1)=EdGraphPin'EdGraphPin_37185'
Pins(2)=EdGraphPin'EdGraphPin_37186'
Pins(3)=EdGraphPin'EdGraphPin_37187'
NodePosX=-2928
NodePosY=-480
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=0034120F49679F5BDECCBDA7FC51E4
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_86"
Begin Object Class=EdGraphPin Name="EdGraphPin_37163"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37162"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37161"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37160"
End Object
Begin Object Name="EdGraphPin_37163"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3013.EdGraphPin_40410'
End Object
Begin Object Name="EdGraphPin_37162"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34946.EdGraphPin_40398'
End Object
Begin Object Name="EdGraphPin_37161"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3075.EdGraphPin_40335'
End Object
Begin Object Name="EdGraphPin_37160"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_90.EdGraphPin_37187'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37160'
Pins(1)=EdGraphPin'EdGraphPin_37161'
Pins(2)=EdGraphPin'EdGraphPin_37162'
Pins(3)=EdGraphPin'EdGraphPin_37163'
NodePosX=-2752
NodePosY=-400
ErrorType=1
ErrorMsg="Error Dependency cycle detected, preventing node Branch from being scheduled"
NodeGuid=B2F9E4B745D814D57FE04DB4C7458DB4
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_588"
Begin Object Class=EdGraphPin Name="EdGraphPin_36346"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36345"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36344"
End Object
Begin Object Name="EdGraphPin_36346"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36345"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36344"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36707'
End Object
InputKey=Gamepad_FaceButton_Right
Pins(0)=EdGraphPin'EdGraphPin_36344'
Pins(1)=EdGraphPin'EdGraphPin_36345'
Pins(2)=EdGraphPin'EdGraphPin_36346'
NodePosX=-4240
NodePosY=-784
NodeGuid=4B63FEEF4850209CFED092BC858BF194
End Object

```

```

Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_1035"
Begin Object Class=EdGraphPin Name="EdGraphPin_36355"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36354"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_36353"
End Object
Begin Object Name="EdGraphPin_36355"
PinName="Key"
Direction=EGPD_Output
PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_36354"
PinName="Released"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_36353"
PinName="Pressed"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_117.EdGraphPin_36707'
End Object
InputKey=I
Pins(0)=EdGraphPin'EdGraphPin_36353'
Pins(1)=EdGraphPin'EdGraphPin_36354'
Pins(2)=EdGraphPin'EdGraphPin_36355'
NodePosX=-4112
NodePosY=-864
NodeGuid=85287027484CBD49DE957FAAF9C021F1
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19724"
Begin Object Class=EdGraphPin Name="EdGraphPin_40345"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40344"
End Object
Begin Object Name="EdGraphPin_40345"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7582.EdGraphPin_36059'
End Object
Begin Object Name="EdGraphPin_40344"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_40352'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40344'
Pins(1)=EdGraphPin'EdGraphPin_40345'
NodePosX=-3312
NodePosY=-1040
NodeGuid=72AB62804C52F60AB8F5E2838E431BB9
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7582"
Begin Object Class=EdGraphPin Name="EdGraphPin_36059"
End Object
Begin Object Name="EdGraphPin_36059"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19724.EdGraphPin_40345'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_36059'
NodePosX=-3520
NodePosY=-1040
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=2319AB7844C76AC17F9FC88E7E40A905
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34650"
Begin Object Class=EdGraphPin Name="EdGraphPin_40353"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40352"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40351"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40350"
End Object
Begin Object Name="EdGraphPin_40353"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_1.Inst_1'
End Object
Begin Object Name="EdGraphPin_40352"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19724.EdGraphPin_40344'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19725.EdGraphPin_40440'
End Object
Begin Object Name="EdGraphPin_40351"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40422'
    End Object
Begin Object Name="EdGraphPin_40350"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_87.EdGraphPin_37066'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40350'
Pins(1)=EdGraphPin'EdGraphPin_40351'
Pins(2)=EdGraphPin'EdGraphPin_40352'
Pins(3)=EdGraphPin'EdGraphPin_40353'
NodePosX=-3104
NodePosY=-1088
NodeGuid=9C8DAC5644EC4609C38635818ECC0023
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34651"
Begin Object Class=EdGraphPin Name="EdGraphPin_40365"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40364"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40363"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40362"
End Object
Begin Object Name="EdGraphPin_40365"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Instructions/Inst_2.Inst_2'
End Object
Begin Object Name="EdGraphPin_40364"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19739.EdGraphPin_40446'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19740.EdGraphPin_40452'
End Object
Begin Object Name="EdGraphPin_40363"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40422'
End Object
Begin Object Name="EdGraphPin_40362"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_88.EdGraphPin_37078'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40362'
Pins(1)=EdGraphPin'EdGraphPin_40363'
Pins(2)=EdGraphPin'EdGraphPin_40364'
Pins(3)=EdGraphPin'EdGraphPin_40365'
NodePosX=-2880
NodePosY=-960
NodeGuid=C859FFD247B9C72608B35ABC8B6C1445
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34687"
Begin Object Class=EdGraphPin Name="EdGraphPin_40377"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40376"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40375"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40374"
End Object
Begin Object Name="EdGraphPin_40377"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Instructions/Inst_3.Inst_3'
End Object
Begin Object Name="EdGraphPin_40376"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19756.EdGraphPin_40458'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19757.EdGraphPin_40464'
End Object
Begin Object Name="EdGraphPin_40375"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40422'
End Object
Begin Object Name="EdGraphPin_40374"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_89.EdGraphPin_37111'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40374'
Pins(1)=EdGraphPin'EdGraphPin_40375'
Pins(2)=EdGraphPin'EdGraphPin_40376'
Pins(3)=EdGraphPin'EdGraphPin_40377'

```

```

NodePosX=-2656
NodePosY=-832
NodeGuid=41851D2F44EEA6E4BE7DEEAC3501EC04
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34688"
Begin Object Class=EdGraphPin Name="EdGraphPin_40389"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40388"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40387"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40386"
End Object
Begin Object Name="EdGraphPin_40389"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_4_1.Inst_4_1'
End Object
Begin Object Name="EdGraphPin_40388"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19775.EdGraphPin_40470'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19776.EdGraphPin_40476'
End Object
Begin Object Name="EdGraphPin_40387"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40422'
End Object
Begin Object Name="EdGraphPin_40386"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_90.EdGraphPin_37186'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40386'
Pins(1)=EdGraphPin'EdGraphPin_40387'
Pins(2)=EdGraphPin'EdGraphPin_40388'
Pins(3)=EdGraphPin'EdGraphPin_40389'
NodePosX=-2432
NodePosY=-704
NodeGuid=A9D8D6384877AA68783186ADB5E07AA7
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34946"
Begin Object Class=EdGraphPin Name="EdGraphPin_40401"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40400"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40399"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40398"
End Object
Begin Object Name="EdGraphPin_40401"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Inst_5_1.Inst_5_1'
End Object
Begin Object Name="EdGraphPin_40400"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19796.EdGraphPin_40482'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_19797.EdGraphPin_40488'
End Object
Begin Object Name="EdGraphPin_40399"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40422'
End Object
Begin Object Name="EdGraphPin_40398"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_86.EdGraphPin_37162'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40398'
Pins(1)=EdGraphPin'EdGraphPin_40399'
Pins(2)=EdGraphPin'EdGraphPin_40400'
Pins(3)=EdGraphPin'EdGraphPin_40401'
NodePosX=-2208
NodePosY=-576
NodeGuid=3F6F5C5A4ACE1614869C0BA791C76983
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3013"
Begin Object Class=EdGraphPin Name="EdGraphPin_40413"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40412"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40411"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40410"
End Object
Begin Object Name="EdGraphPin_40413"
PinName="NewDecalMaterial"

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Instructions/Inst_6_1.Inst_6_1'
    End Object
Begin Object Name="EdGraphPin_40412"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_377.EdGraphPin_40494'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_378.EdGraphPin_40500'
End Object
Begin Object Name="EdGraphPin_40411"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_129.EdGraphPin_36443'
End Object
Begin Object Name="EdGraphPin_40410"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_86.EdGraphPin_37163'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_35521.EdGraphPin_40423'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40410'
Pins(1)=EdGraphPin'EdGraphPin_40411'
Pins(2)=EdGraphPin'EdGraphPin_40412'
Pins(3)=EdGraphPin'EdGraphPin_40413'
NodePosX=-1952
NodePosY=-400
NodeGuid=F13CDE3D40C390AA9DD20BA94AA93717
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_129"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36447"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36446"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36445"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36444"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_36443"
        End Object
    Begin Object Name="EdGraphPin_36447"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_36446"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_36445"
        PinName="Counter"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_36444"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_36443"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3013.EdGraphPin_40411'
    End Object
    VariableReference=(MemberName="Counter",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_36443'
    Pins(1)=EdGraphPin'EdGraphPin_36444'
    Pins(2)=EdGraphPin'EdGraphPin_36445'
    Pins(3)=EdGraphPin'EdGraphPin_36446'
    Pins(4)=EdGraphPin'EdGraphPin_36447'
    NodePosX=-1712
    NodePosY=-368
    ErrorType=1
    ErrorMessage="Warning Could not find a variable named \"Counter\" in \"begin_DCE_C\".\nMake sure \"begin_DCE_C\" has been compiled for Set Counter \nError The property associated with Counter could not be fo
    NodeGuid=D50A38314EE0E23FEDC5D04910AA88420
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_35521"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40427"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40426"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40425"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40424"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40423"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40422"
        End Object

```



```

Begin Object Name="EdGraphPin_40427"
  PinName="LatentInfo"
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
  DefaultValue="LatentInfo"
  AutogeneratedDefaultValue="LatentInfo"
  bHidden=True
End Object
Begin Object Name="EdGraphPin_40426"
  PinName="Duration"
  PinType=(PinCategory="float")
  DefaultValue="20"
  AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_40425"
  PinName="WorldContextObject"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_40424"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
  DefaultObject=Default__KismetSystemLibrary
  bHidden=True
End Object
Begin Object Name="EdGraphPin_40423"
  PinName="then"
  PinFriendlyName="Completed"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3013.EdGraphPin_40410'
End Object
Begin Object Name="EdGraphPin_40422"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_40351'
  LinkedTo(1)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_40363'
  LinkedTo(2)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_40375'
  LinkedTo(3)=EdGraphPin'K2Node_CallFunction_34688.EdGraphPin_40387'
  LinkedTo(4)=EdGraphPin'K2Node_CallFunction_34946.EdGraphPin_40399'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_40422'
Pins(1)=EdGraphPin'EdGraphPin_40423'
Pins(2)=EdGraphPin'EdGraphPin_40424'
Pins(3)=EdGraphPin'EdGraphPin_40425'
Pins(4)=EdGraphPin'EdGraphPin_40426'
Pins(5)=EdGraphPin'EdGraphPin_40427'
NodePosX=-2080
NodePosY=-912
NodeGuid=8D21F564471925EBAACD48321A46391
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7583"
  Begin Object Class=EdGraphPin Name="EdGraphPin_36065"
    End Object
    Begin Object Name="EdGraphPin_36065"
      PinName="DecalActor2"
      PinFriendlyName="DecalActor2"
      Direction=EGPD_Output
      PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
      LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19725.EdGraphPin_40441'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Instruction_2'
    Pins(0)=EdGraphPin'EdGraphPin_36065'
    NodePosX=-3520
    NodePosY=-976
    ErrorType=3
    ErrorMessage="Warning Node Unknown is not referencing a valid level actor"
    NodeGuid=0D7CAD1048948B58016E91AA3280D002
  End Object
  Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19725"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40441"
      End Object
      Begin Object Class=EdGraphPin Name="EdGraphPin_40440"
        End Object
        Begin Object Name="EdGraphPin_40441"
          PinName="self"
          PinFriendlyName="Target"
          PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
          LinkedTo(0)=EdGraphPin'K2Node_Literal_7583.EdGraphPin_36065'
        End Object
        Begin Object Name="EdGraphPin_40440"
          PinName="Decal"
          Direction=EGPD_Output
          PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
          LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34650.EdGraphPin_40352'
        End Object
        VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
        SelfContextInfo=NotSelfContext
        Pins(0)=EdGraphPin'EdGraphPin_40440'
        Pins(1)=EdGraphPin'EdGraphPin_40441'
        NodePosX=-3312
        NodePosY=-976
        NodeGuid=52D46DDA4C419ACA4A9257B7A44F482A
      End Object
      Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19739"
        Begin Object Class=EdGraphPin Name="EdGraphPin_40447"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40446"
End Object
Begin Object Name="EdGraphPin_40447"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_Literal_7599.EdGraphPin_36011'
End Object
Begin Object Name="EdGraphPin_40446"
  PinName="Decal"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_40364'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40446'
Pins(1)=EdGraphPin'EdGraphPin_40447'
NodePosX=-3104
NodePosY=-912
NodeGuid=0771D68A42C684D2285081B3B65BA3AA
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7599"
Begin Object Class=EdGraphPin Name="EdGraphPin_36011"
End Object
Begin Object Name="EdGraphPin_36011"
  PinName="DecalActor1"
  PinFriendlyName="DecalActor1"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19739.EdGraphPin_40447'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_36011'
NodePosX=-3312
NodePosY=-912
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=E4704A5244AC199E5011F9B4C732C9DE
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7600"
Begin Object Class=EdGraphPin Name="EdGraphPin_36008"
End Object
Begin Object Name="EdGraphPin_36008"
  PinName="DecalActor2"
  PinFriendlyName="DecalActor2"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19740.EdGraphPin_40453'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_36008'
NodePosX=-3312
NodePosY=-848
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=07BD14F14B92DE48EB9939B00F626F79
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19740"
Begin Object Class=EdGraphPin Name="EdGraphPin_40453"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40452"
End Object
Begin Object Name="EdGraphPin_40453"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_Literal_7600.EdGraphPin_36008'
End Object
Begin Object Name="EdGraphPin_40452"
  PinName="Decal"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34651.EdGraphPin_40364'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40452'
Pins(1)=EdGraphPin'EdGraphPin_40453'
NodePosX=-3104
NodePosY=-848
NodeGuid=B2CBCF4047502534063BC9BC0D08049AC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19756"
Begin Object Class=EdGraphPin Name="EdGraphPin_40459"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40458"
End Object
Begin Object Name="EdGraphPin_40459"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_Literal_7618.EdGraphPin_36005'
End Object
Begin Object Name="EdGraphPin_40458"
  PinName="Decal"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_40376'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_40458'
    Pins(1)=EdGraphPin'EdGraphPin_40459'
    NodePosX=-2880
    NodePosY=-784
    NodeGuid=777E7DD045FF40849E275D8CEDDADB6
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7618"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36005"
    End Object
    Begin Object Name="EdGraphPin_36005"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19756.EdGraphPin_40459'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_1'
    Pins(0)=EdGraphPin'EdGraphPin_36005'
    NodePosX=-3104
    NodePosY=-784
    ErrorType=3
    ErrorMessage="Warning Node Unknown is not referencing a valid level actor"
    NodeGuid=3F20D5174B3B790E722D47825B0CFD3D
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7619"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36002"
    End Object
    Begin Object Name="EdGraphPin_36002"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19757.EdGraphPin_40465'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_2'
    Pins(0)=EdGraphPin'EdGraphPin_36002'
    NodePosX=-3104
    NodePosY=-720
    ErrorType=3
    ErrorMessage="Warning Node Unknown is not referencing a valid level actor"
    NodeGuid=BB6964084B6E25933B6E2184330E9EA0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19757"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40465"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40464"
    End Object
    Begin Object Name="EdGraphPin_40465"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_7619.EdGraphPin_36002'
    End Object
    Begin Object Name="EdGraphPin_40464"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34687.EdGraphPin_40376'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_40464'
    Pins(1)=EdGraphPin'EdGraphPin_40465'
    NodePosX=-2880
    NodePosY=-720
    NodeGuid=A8C7EFF24FF71213C2E70698295D8829
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19775"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40471"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40470"
    End Object
    Begin Object Name="EdGraphPin_40471"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_7639.EdGraphPin_35999'
    End Object
    Begin Object Name="EdGraphPin_40470"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34688.EdGraphPin_40388'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_40470'
    Pins(1)=EdGraphPin'EdGraphPin_40471'
    NodePosX=-2656
    NodePosY=-656
    NodeGuid=BCEDFB64454605D86E056AAEFBDC6D35

```

```

End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7639"
Begin Object Class=EdGraphPin Name="EdGraphPin_35999"
End Object
Begin Object Name="EdGraphPin_35999"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19775.EdGraphPin_40471'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_35999'
NodePosX=-2880
NodePosY=-656
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=FB2340D64A71AB8AC0879E9014E9E268
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7640"
Begin Object Class=EdGraphPin Name="EdGraphPin_35996"
End Object
Begin Object Name="EdGraphPin_35996"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19776.EdGraphPin_40477'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_35996'
NodePosX=-2880
NodePosY=-592
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=2F52ACCF4828F5FA626216A8CE0955EB
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19776"
Begin Object Class=EdGraphPin Name="EdGraphPin_40477"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40476"
End Object
Begin Object Name="EdGraphPin_40477"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7640.EdGraphPin_35996'
End Object
Begin Object Name="EdGraphPin_40476"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34688.EdGraphPin_40388'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40476'
Pins(1)=EdGraphPin'EdGraphPin_40477'
NodePosX=-2656
NodePosY=-592
NodeGuid=E8F21B4F4D0E9CF428CFF5A14A78252D
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19796"
Begin Object Class=EdGraphPin Name="EdGraphPin_40483"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40482"
End Object
Begin Object Name="EdGraphPin_40483"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7662.EdGraphPin_35993'
End Object
Begin Object Name="EdGraphPin_40482"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34946.EdGraphPin_40400'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40482'
Pins(1)=EdGraphPin'EdGraphPin_40483'
NodePosX=-2432
NodePosY=-528
NodeGuid=624CD57645A6E092C050F8810E7F5D4C
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7662"
Begin Object Class=EdGraphPin Name="EdGraphPin_35993"
End Object
Begin Object Name="EdGraphPin_35993"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19796.EdGraphPin_40483'
End Object

```

```

ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_35993'
NodePosX=-2656
NodePosY=-528
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=5FDB94C94702BAA6E49401A5704967FD
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7663"
Begin Object Class=EdGraphPin Name="EdGraphPin_35990"
End Object
Begin Object Name="EdGraphPin_35990"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19797.EdGraphPin_40489'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_35990'
NodePosX=-2656
NodePosY=-464
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=015519954B93D7AEB382A58540F0E6DB
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19797"
Begin Object Class=EdGraphPin Name="EdGraphPin_40489"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40488"
End Object
Begin Object Name="EdGraphPin_40489"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_7663.EdGraphPin_35990'
End Object
Begin Object Name="EdGraphPin_40488"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34946.EdGraphPin_40400'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40488'
Pins(1)=EdGraphPin'EdGraphPin_40489'
NodePosX=-2432
NodePosY=-464
NodeGuid=D059D29D47342CF67F0469B8738999B1
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_377"
Begin Object Class=EdGraphPin Name="EdGraphPin_40495"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40494"
End Object
Begin Object Name="EdGraphPin_40495"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_238.EdGraphPin_35912'
End Object
Begin Object Name="EdGraphPin_40494"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3013.EdGraphPin_40412'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40494'
Pins(1)=EdGraphPin'EdGraphPin_40495'
NodePosX=-2208
NodePosY=-304
NodeGuid=1E576213423E96D9D6953C8F959D65F6
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_238"
Begin Object Class=EdGraphPin Name="EdGraphPin_35912"
End Object
Begin Object Name="EdGraphPin_35912"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_377.EdGraphPin_40495'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_35912'
NodePosX=-2432
NodePosY=-304
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=9384A7F94BF6031C229EC38532008D9F
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_239"
Begin Object Class=EdGraphPin Name="EdGraphPin_35903"
End Object

```

```

Begin Object Name="EdGraphPin_35903"
  PinName="DecalActor2"
  PinFriendlyName="DecalActor2"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_378.EdGraphPin_40501'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01.PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_35903'
NodePosX=-2432
NodePosY=-240
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=C97C6FB94DD9C4C0CB5CABA328206B90
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_378"
Begin Object Class=EdGraphPin Name="EdGraphPin_40501"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40500"
End Object
Begin Object Name="EdGraphPin_40501"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
  LinkedTo(0)=EdGraphPin'K2Node_Literal_239.EdGraphPin_35903'
End Object
Begin Object Name="EdGraphPin_40500"
  PinName="Decal"
  Direction=EGPD_Output
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3013.EdGraphPin_40412'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40500'
Pins(1)=EdGraphPin'EdGraphPin_40501'
NodePosX=-2208
NodePosY=-240
NodeGuid=FADB45084D8219452C19858E398FE3F6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_33844"
Begin Object Class=EdGraphPin Name="EdGraphPin_40508"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40507"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40506"
End Object
Begin Object Name="EdGraphPin_40508"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="name")
  AutogeneratedDefaultValue="None"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23726.EdGraphPin_40561'
End Object
Begin Object Name="EdGraphPin_40507"
  PinName="InString"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4662.EdGraphPin_40527'
End Object
Begin Object Name="EdGraphPin_40506"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
  DefaultObject=Default__KismetStringLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Conv_StringToName")
Pins(0)=EdGraphPin'EdGraphPin_40506'
Pins(1)=EdGraphPin'EdGraphPin_40507'
Pins(2)=EdGraphPin'EdGraphPin_40508'
NodePosX=-1472
NodePosY=4704
NodeGuid=FC02307F4B265F2E5DB3CF836A08320B
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4661"
Begin Object Class=EdGraphPin Name="EdGraphPin_40517"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40516"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40515"
End Object
Begin Object Name="EdGraphPin_40517"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="int")
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1197.EdGraphPin_40546'
  LinkedTo(1)=EdGraphPin'K2Node_CallFunction_3012.EdGraphPin_41842'
End Object
Begin Object Name="EdGraphPin_40516"
  PinName="TargetArray"
  PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10579.EdGraphPin_38081'
  bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40515"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Length")
    Pins(0)=EdGraphPin'EdGraphPin_40515'
    Pins(1)=EdGraphPin'EdGraphPin_40516'
    Pins(2)=EdGraphPin'EdGraphPin_40517'
    NodePosX=-2272
    NodePosY=4880
    NodeGuid=D8424123443D992BC9A4C1AFE11F3128
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10579"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38082"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38081"
        End Object
    Begin Object Name="EdGraphPin_38082"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_38081"
        PinName="Remaining_Levels"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4661.EdGraphPin_40516'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_4662.EdGraphPin_40525'
    End Object
    VariableReference=(MemberName="Remaining_Levels",MemberGuid=BBBA66D445A8C8F2044E97839085B2F0,bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_38081'
    Pins(1)=EdGraphPin'EdGraphPin_38082'
    NodePosX=-2416
    NodePosY=4880
    NodeGuid=07A6367149CC84C5DF5A14AB08DF7CF9
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4662"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40527"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40526"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40525"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40524"
        End Object
    Begin Object Name="EdGraphPin_40527"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33844.EdGraphPin_40507'
    End Object
    Begin Object Name="EdGraphPin_40526"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_36813.EdGraphPin_40538'
    End Object
    Begin Object Name="EdGraphPin_40525"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10579.EdGraphPin_38081'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_40524"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_40524'
    Pins(1)=EdGraphPin'EdGraphPin_40525'
    Pins(2)=EdGraphPin'EdGraphPin_40526'
    Pins(3)=EdGraphPin'EdGraphPin_40527'
    NodePosX=-1648
    NodePosY=4704
    NodeGuid=D98464AB47B0BFEAB86648A2B64B0D6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_36813"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40538"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40537"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40536"
        End Object
    Begin Object Name="EdGraphPin_40538"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
    End Object

```

```

        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4662.EdGraphPin_40526'
    End Object
Begin Object Name="EdGraphPin_40537"
    PinName="Max"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1197.EdGraphPin_40548'
End Object
Begin Object Name="EdGraphPin_40536"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="RandomInteger")
Pins(0)=EdGraphPin'EdGraphPin_40536'
Pins(1)=EdGraphPin'EdGraphPin_40537'
Pins(2)=EdGraphPin'EdGraphPin_40538'
NodePosX=-1856
NodePosY=4880
NodeGuid=5314AE5443E4F7EB0CE165BE4C40D298
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1197"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40548"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40547"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40546"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40545"
        End Object
    Begin Object Name="EdGraphPin_40548"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_36813.EdGraphPin_40537'
    End Object
    Begin Object Name="EdGraphPin_40547"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="-1"
        AutogeneratedDefaultValue="1"
    End Object
    Begin Object Name="EdGraphPin_40546"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4661.EdGraphPin_40517'
    End Object
    Begin Object Name="EdGraphPin_40545"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Add_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40545'
    Pins(1)=EdGraphPin'EdGraphPin_40546'
    Pins(2)=EdGraphPin'EdGraphPin_40547'
    Pins(3)=EdGraphPin'EdGraphPin_40548'
    NodePosX=-2064
    NodePosY=4880
    NodeGuid=D70A686F45AFE7E1AF63B2998044467C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_23726"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40563"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40562"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40561"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40560"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40559"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40558"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40557"
        End Object
    Begin Object Name="EdGraphPin_40563"
        PinName="Options"
        PinType=(PinCategory="string")
        bAdvancedView=True
    End Object
    Begin Object Name="EdGraphPin_40562"
        PinName="bAbsolute"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
    End Object

```



```

        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_40561"
    PinName="LevelName"
    PinType=(PinCategory="name")
    DefaultValue="None"
    AutogeneratedDefaultValue="None"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_33844.EdGraphPin_40508'
End Object
Begin Object Name="EdGraphPin_40560"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40559"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40558"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40557"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_141.EdGraphPin_39254'
    LinkedTo(1)=EdGraphPin'K2Node_IfThenElse_847.EdGraphPin_39277'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="OpenLevel")
Pins(0)=EdGraphPin'EdGraphPin_40557'
Pins(1)=EdGraphPin'EdGraphPin_40558'
Pins(2)=EdGraphPin'EdGraphPin_40559'
Pins(3)=EdGraphPin'EdGraphPin_40560'
Pins(4)=EdGraphPin'EdGraphPin_40561'
Pins(5)=EdGraphPin'EdGraphPin_40562'
Pins(6)=EdGraphPin'EdGraphPin_40563'
NodePosX=-112
NodePosY=5056
NodeGuid=65F3CFBE4C2681B7069C7587C299CA71
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_38915"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40583"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40582"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40581"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40580"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40579"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40578"
        End Object
    Begin Object Name="EdGraphPin_40583"
        PinName="LatentInfo"
        PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
        DefaultValue="LatentInfo"
        AutogeneratedDefaultValue="LatentInfo"
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40582"
        PinName="Duration"
        PinType=(PinCategory="float")
        DefaultValue="1"
        AutogeneratedDefaultValue="0.2"
    End Object
    Begin Object Name="EdGraphPin_40581"
        PinName="WorldContextObject"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40580"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
        DefaultObject=Default__KismetSystemLibrary
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40579"
        PinName="then"
        PinFriendlyName="Completed"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_141.EdGraphPin_39251'
    End Object
    Begin Object Name="EdGraphPin_40578"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_8277.EdGraphPin_38584'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
    Pins(0)=EdGraphPin'EdGraphPin_40578'

```

```

Pins(1)=EdGraphPin'EdGraphPin_40579'
Pins(2)=EdGraphPin'EdGraphPin_40580'
Pins(3)=EdGraphPin'EdGraphPin_40581'
Pins(4)=EdGraphPin'EdGraphPin_40582'
Pins(5)=EdGraphPin'EdGraphPin_40583'
NodePosX=-1520
NodePosY=4496
NodeGuid=2FE5D1924ADA72CF15D5BA8D77B26884
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4200"
Begin Object Class=EdGraphPin Name="EdGraphPin_40601"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40600"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40599"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40598"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40597"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40596"
End Object
Begin Object Name="EdGraphPin_40601"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_6464.EdGraphPin_38493'
End Object
Begin Object Name="EdGraphPin_40600"
PinName="Item"
PinType=(PinCategory="string",bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_11651.EdGraphPin_38345'
End Object
Begin Object Name="EdGraphPin_40599"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_321.EdGraphPin_39122'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_40598"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultToObject=Default__KismetArrayLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_40597"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_6464.EdGraphPin_38492'
End Object
Begin Object Name="EdGraphPin_40596"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_7291.EdGraphPin_40159'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_RemoveItem")
Pins(0)=EdGraphPin'EdGraphPin_40596'
Pins(1)=EdGraphPin'EdGraphPin_40597'
Pins(2)=EdGraphPin'EdGraphPin_40598'
Pins(3)=EdGraphPin'EdGraphPin_40599'
Pins(4)=EdGraphPin'EdGraphPin_40600'
Pins(5)=EdGraphPin'EdGraphPin_40601'
NodePosX=-3168
NodePosY=4160
NodeGuid=CF9640124FE17AE6C415F7B1F7C9913C
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_11651"
Begin Object Class=EdGraphPin Name="EdGraphPin_38346"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38345"
End Object
Begin Object Name="EdGraphPin_38346"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_38345"
PinName="Current_Level"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4200.EdGraphPin_40600'
End Object
VariableReference=(MemberName="Current_Level",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38345'
Pins(1)=EdGraphPin'EdGraphPin_38346'
NodePosX=-3360
NodePosY=4368
NodeGuid=55A7D6654BCABAE2B6FB79A99C30FE1
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_5240"
Begin Object Class=EdGraphPin Name="EdGraphPin_40618"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40617"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40616"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40615"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40614"
End Object
Begin Object Name="EdGraphPin_40618"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_634.EdGraphPin_39167'
End Object
Begin Object Name="EdGraphPin_40617"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
End Object
Begin Object Name="EdGraphPin_40616"
    PinName="Levels_DCE"
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10580.EdGraphPin_38351'
End Object
Begin Object Name="EdGraphPin_40615"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22373.EdGraphPin_40629'
End Object
Begin Object Name="EdGraphPin_40614"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_6464.EdGraphPin_38494'
End Object
VariableReference=(MemberParent=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C',MemberName="Levels_DCE",MemberGuid=81A2D00844A62C50D6B6988507D27FB9)
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40614'
Pins(1)=EdGraphPin'EdGraphPin_40615'
Pins(2)=EdGraphPin'EdGraphPin_40616'
Pins(3)=EdGraphPin'EdGraphPin_40617'
Pins(4)=EdGraphPin'EdGraphPin_40618'
NodePosX=-2544
NodePosY=4368
ErrorType=1
ErrorMsg="Error This blueprint (self) is not a Save_Levels_DCE_C, therefore \' Target \' must have a connection.\nError Variable node Set Levels_DCE uses an invalid target. It may depend on a node that is"
NodeGuid=0067CE224679B642DE030DBF5BBA87F5
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10580"
Begin Object Class=EdGraphPin Name="EdGraphPin_38352"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38351"
End Object
Begin Object Name="EdGraphPin_38352"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.enva_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_38351"
    PinName="Remaining_Levels"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_5240.EdGraphPin_40616'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_1201.EdGraphPin_41902'
End Object
VariableReference=(MemberName="Remaining_Levels",MemberGuid=BBBA66D445A8C8F2044E978390B5B2F0,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38351'
Pins(1)=EdGraphPin'EdGraphPin_38352'
NodePosX=-2784
NodePosY=4336
NodeGuid=F9B4792D4F6248E140B6A7B350DF6AC4
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_22373"
Begin Object Class=EdGraphPin Name="EdGraphPin_40635"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40634"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40633"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40632"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40631"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40630"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40629"
End Object
Begin Object Name="EdGraphPin_40635"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_8277.EdGraphPin_38583'
End Object
Begin Object Name="EdGraphPin_40634"
    PinName="UserIndex"

```

```

        PinType=(PinCategory="int",bIsConst=True)
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_40633"
    PinName="SlotName"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_7001.EdGraphPin_38441'
End Object
Begin Object Name="EdGraphPin_40632"
    PinName="SaveGameObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_13260.EdGraphPin_38486'
End Object
Begin Object Name="EdGraphPin_40631"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40630"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_8277.EdGraphPin_38582'
End Object
Begin Object Name="EdGraphPin_40629"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_5240.EdGraphPin_40615'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="SaveGameToSlot")
Pins(0)=EdGraphPin'EdGraphPin_40629'
Pins(1)=EdGraphPin'EdGraphPin_40630'
Pins(2)=EdGraphPin'EdGraphPin_40631'
Pins(3)=EdGraphPin'EdGraphPin_40632'
Pins(4)=EdGraphPin'EdGraphPin_40633'
Pins(5)=EdGraphPin'EdGraphPin_40634'
Pins(6)=EdGraphPin'EdGraphPin_40635'
NodePosX=-2048
NodePosY=4496
NodeGuid=D973EDFB4035D289259CFD9AF7171FB9
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_7001"
Begin Object Class=EdGraphPin Name="EdGraphPin_38442"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38441"
End Object
Begin Object Name="EdGraphPin_38442"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_38441"
    PinName="Lvls"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22373.EdGraphPin_40633'
End Object
VariableReference=(MemberName="Lvls",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38441'
Pins(1)=EdGraphPin'EdGraphPin_38442'
NodePosX=-2272
NodePosY=4592
NodeGuid=5D6503A34B3C32B503095AB29518A0D8
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_13260"
Begin Object Class=EdGraphPin Name="EdGraphPin_38487"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38486"
End Object
Begin Object Name="EdGraphPin_38487"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_38486"
    PinName="Levels_Saver"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22373.EdGraphPin_40632'
End Object
VariableReference=(MemberName="Levels_Saver",MemberGuid=1C9ED9164C537021062E92BD44F873AC,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38486'
Pins(1)=EdGraphPin'EdGraphPin_38487'
NodePosX=-2272
NodePosY=4544
NodeGuid=841AC00943A9ED8A2855658398FB57EF
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_8277"
Begin Object Class=EdGraphPin Name="EdGraphPin_38585"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38584"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_38583"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38582"
End Object
Begin Object Name="EdGraphPin_38585"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_38584"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_38915.EdGraphPin_40578'
End Object
Begin Object Name="EdGraphPin_38583"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22373.EdGraphPin_40635'
End Object
Begin Object Name="EdGraphPin_38582"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_22373.EdGraphPin_40630'
End Object
Pins(0)=EdGraphPin'EdGraphPin_38582'
Pins(1)=EdGraphPin'EdGraphPin_38583'
Pins(2)=EdGraphPin'EdGraphPin_38584'
Pins(3)=EdGraphPin'EdGraphPin_38585'
NodePosX=-1760
NodePosY=4496
NodeGuid=4F17405542D7415DC315DFBA67B2D21A
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_6464"
Begin Object Class=EdGraphPin Name="EdGraphPin_38495"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38494"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38493"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38492"
End Object
Begin Object Name="EdGraphPin_38495"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_4555.EdGraphPin_39386'
End Object
Begin Object Name="EdGraphPin_38494"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_VariableSet_5240.EdGraphPin_40614'
End Object
Begin Object Name="EdGraphPin_38493"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4200.EdGraphPin_40601'
End Object
Begin Object Name="EdGraphPin_38492"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4200.EdGraphPin_40597'
End Object
Pins(0)=EdGraphPin'EdGraphPin_38492'
Pins(1)=EdGraphPin'EdGraphPin_38493'
Pins(2)=EdGraphPin'EdGraphPin_38494'
Pins(3)=EdGraphPin'EdGraphPin_38495'
NodePosX=-2864
NodePosY=4144
NodeGuid=33A08B5E47A27607431340BF8E300A78
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_38918"
Begin Object Class=EdGraphPin Name="EdGraphPin_40655"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40654"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40653"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40652"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40651"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40650"
End Object
Begin Object Name="EdGraphPin_40655"
  PinName="LatentInfo"
  PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/Engine.LatentActionInfo')
  DefaultValue="LatentInfo"

```

```

        AutogeneratedDefaultValue="LatentInfo"
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_40654"
    PinName="Duration"
    PinType=(PinCategory="float")
    DefaultValue="3"
    AutogeneratedDefaultValue="0.2"
End Object
Begin Object Name="EdGraphPin_40653"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40652"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetSystemLibrary')
    DefaultObject=Default__KismetSystemLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40651"
    PinName="then"
    PinFriendlyName="Completed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_17660.EdGraphPin_40668'
End Object
Begin Object Name="EdGraphPin_40650"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_4555.EdGraphPin_39388'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.KismetSystemLibrary',MemberName="Delay")
Pins(0)=EdGraphPin'EdGraphPin_40650'
Pins(1)=EdGraphPin'EdGraphPin_40651'
Pins(2)=EdGraphPin'EdGraphPin_40652'
Pins(3)=EdGraphPin'EdGraphPin_40653'
Pins(4)=EdGraphPin'EdGraphPin_40654'
Pins(5)=EdGraphPin'EdGraphPin_40655'
NodePosX=-1920
NodePosY=4176
NodeGuid=A1D780E945B6D60AB05037A7A373DEA0
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_17660"
Begin Object Class=EdGraphPin Name="EdGraphPin_40674"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40673"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40672"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40671"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40670"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40669"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40668"
End Object
Begin Object Name="EdGraphPin_40674"
    PinName="Options"
    PinType=(PinCategory="string")
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40673"
    PinName="bAbsolute"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40672"
    PinName="LevelName"
    PinType=(PinCategory="name")
    DefaultValue="level199"
    AutogeneratedDefaultValue="None"
End Object
Begin Object Name="EdGraphPin_40671"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40670"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40669"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40668"
    PinName="execute"
    PinType=(PinCategory="exec")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_38918.EdGraphPin_40651'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="OpenLevel")
Pins(0)=EdGraphPin'EdGraphPin_40668'
Pins(1)=EdGraphPin'EdGraphPin_40669'
Pins(2)=EdGraphPin'EdGraphPin_40670'
Pins(3)=EdGraphPin'EdGraphPin_40671'
Pins(4)=EdGraphPin'EdGraphPin_40672'
Pins(5)=EdGraphPin'EdGraphPin_40673'
Pins(6)=EdGraphPin'EdGraphPin_40674'
NodePosX=-1632
NodePosY=4176
NodeGuid=8CB34C4A42C7EDAEB4C3FC985E65952B
AdvancedPinDisplay=Shown
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_5335"
Begin Object Class=EdGraphPin Name="EdGraphPin_38697"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38696"
End Object
Begin Object Name="EdGraphPin_38697"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_38696"
PinName="File_Path"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_40251'
End Object
VariableReference=(MemberName="File_Path",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38696'
Pins(1)=EdGraphPin'EdGraphPin_38697'
NodePosX=-1584
NodePosY=2000
NodeGuid=A217665F482E3D9D0CD81FB86457C8B8
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_4853"
Begin Object Class=EdGraphPin Name="EdGraphPin_38751"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38750"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38749"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38748"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38747"
End Object
Begin Object Name="EdGraphPin_38751"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_38750"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
End Object
Begin Object Name="EdGraphPin_38749"
PinName="Remaining_Levels"
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_8985.EdGraphPin_40689'
End Object
Begin Object Name="EdGraphPin_38748"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18977.EdGraphPin_40788'
End Object
Begin Object Name="EdGraphPin_38747"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_174.EdGraphPin_39153'
End Object
VariableReference=(MemberName="Remaining_Levels",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38747'
Pins(1)=EdGraphPin'EdGraphPin_38748'
Pins(2)=EdGraphPin'EdGraphPin_38749'
Pins(3)=EdGraphPin'EdGraphPin_38750'
Pins(4)=EdGraphPin'EdGraphPin_38751'
NodePosX=-1296
NodePosY=96
NodeGuid=BCC0244940E68BE2587ABF4B6B7424F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_8985"
Begin Object Class=EdGraphPin Name="EdGraphPin_40690"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40689"
End Object
Begin Object Name="EdGraphPin_40690"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')

```

```

    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_174.EdGraphPin_39155'
End Object
Begin Object Name="EdGraphPin_40689"
    PinName="Levels_DCE"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4853.EdGraphPin_38749'
End Object
VariableReference=(MemberParent=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C',MemberName="Levels_DCE",MemberGuid=81A2D00844A62C5D0686988507D27FB9)
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40689'
Pins(1)=EdGraphPin'EdGraphPin_40690'
NodePosX=-1520
NodePosY=208
NodeGuid=75D9A863416752FDCCEA8A86D51B085D
End Object
Begin Object Class=K2Node_DynamicCast Name="K2Node_DynamicCast_663"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40700"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40699"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40698"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40697"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40696"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40695"
        End Object
    Begin Object Name="EdGraphPin_40700"
        PinName="bSuccess"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_40699"
        PinName="AsSave Levels DCE"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_174.EdGraphPin_39154'
    End Object
    Begin Object Name="EdGraphPin_40698"
        PinName="Object"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2235.EdGraphPin_38954'
    End Object
    Begin Object Name="EdGraphPin_40697"
        PinName="CastFailed"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_40696"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_174.EdGraphPin_39152'
    End Object
    Begin Object Name="EdGraphPin_40695"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2235.EdGraphPin_38952'
    End Object
    TargetType=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C'
    Pins(0)=EdGraphPin'EdGraphPin_40695'
    Pins(1)=EdGraphPin'EdGraphPin_40696'
    Pins(2)=EdGraphPin'EdGraphPin_40697'
    Pins(3)=EdGraphPin'EdGraphPin_40698'
    Pins(4)=EdGraphPin'EdGraphPin_40699'
    Pins(5)=EdGraphPin'EdGraphPin_40700'
    NodePosX=-1952
    NodePosY=160
    NodeGuid=E5F1FF914288C6D699356C8EC903BF7C
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_4988"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38814"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38813"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38812"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38811"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38810"
        End Object
    Begin Object Name="EdGraphPin_38814"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve101.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_38813"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
    End Object
    Begin Object Name="EdGraphPin_38812"

```



```

        PinName="Remaining_Levels"
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_9178.EdGraphPin_40713'
    End Object
Begin Object Name="EdGraphPin_38811"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18977.EdGraphPin_40788'
End Object
Begin Object Name="EdGraphPin_38810"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_233.EdGraphPin_37146'
End Object
VariableReference=(MemberName="Remaining_Levels",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38810'
Pins(1)=EdGraphPin'EdGraphPin_38811'
Pins(2)=EdGraphPin'EdGraphPin_38812'
Pins(3)=EdGraphPin'EdGraphPin_38813'
Pins(4)=EdGraphPin'EdGraphPin_38814'
NodePosX=-1248
NodePosY=464
NodeGuid=EDFF6550492FEF7D96BEAFA55F1F992B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_9178"
Begin Object Class=EdGraphPin Name="EdGraphPin_40714"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40713"
End Object
Begin Object Name="EdGraphPin_40714"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_233.EdGraphPin_37148'
End Object
Begin Object Name="EdGraphPin_40713"
    PinName="Levels_DCE"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4988.EdGraphPin_38812'
End Object
VariableReference=(MemberParent=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C',MemberName="Levels_DCE",MemberGuid=81A2D0844A62C5DD6B6988507D27FB9)
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_40713'
Pins(1)=EdGraphPin'EdGraphPin_40714'
NodePosX=-1488
NodePosY=528
NodeGuid=648CF7A34385E0283D239D8278E792BD
End Object
Begin Object Class=K2Node_DynamicCast Name="K2Node_DynamicCast_780"
Begin Object Class=EdGraphPin Name="EdGraphPin_40724"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40723"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40722"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40721"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40720"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40719"
End Object
Begin Object Name="EdGraphPin_40724"
    PinName="bSuccess"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40723"
    PinName="AsSave_Levels_DCE"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_233.EdGraphPin_37147'
End Object
Begin Object Name="EdGraphPin_40722"
    PinName="Object"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2475.EdGraphPin_38858'
End Object
Begin Object Name="EdGraphPin_40721"
    PinName="CastFailed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_40720"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_233.EdGraphPin_37145'
End Object
Begin Object Name="EdGraphPin_40719"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2475.EdGraphPin_38856'
End Object
TargetType=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C'

```

```

Pins(0)=EdGraphPin'EdGraphPin_40719'
Pins(1)=EdGraphPin'EdGraphPin_40720'
Pins(2)=EdGraphPin'EdGraphPin_40721'
Pins(3)=EdGraphPin'EdGraphPin_40722'
Pins(4)=EdGraphPin'EdGraphPin_40723'
Pins(5)=EdGraphPin'EdGraphPin_40724'
NodePosX=-1952
NodePosY=480
NodeGuid=FF323261465445817E89C58F2E1358CC
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_2475"
Begin Object Class=EdGraphPin Name="EdGraphPin_38859"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38858"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38857"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38856"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_38855"
End Object
Begin Object Name="EdGraphPin_38859"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.enva_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_38858"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_780.EdGraphPin_40722'
End Object
Begin Object Name="EdGraphPin_38857"
PinName="Levels_Saver"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_13228.EdGraphPin_40741'
End Object
Begin Object Name="EdGraphPin_38856"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_780.EdGraphPin_40719'
End Object
Begin Object Name="EdGraphPin_38855"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_13228.EdGraphPin_40738'
End Object
VariableReference=(MemberName="Levels_Saver",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_38855'
Pins(1)=EdGraphPin'EdGraphPin_38856'
Pins(2)=EdGraphPin'EdGraphPin_38857'
Pins(3)=EdGraphPin'EdGraphPin_38858'
Pins(4)=EdGraphPin'EdGraphPin_38859'
NodePosX=-2144
NodePosY=496
NodeGuid=AFFD1A9494E8E13EB28CA949E0E3C79
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_13228"
Begin Object Class=EdGraphPin Name="EdGraphPin_40741"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40740"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40739"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40738"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40737"
End Object
Begin Object Name="EdGraphPin_40741"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2475.EdGraphPin_38857'
End Object
Begin Object Name="EdGraphPin_40740"
PinName="SaveGameClass"
PinType=(PinCategory="class",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
DefaultObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C'
End Object
Begin Object Name="EdGraphPin_40739"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
DefaultObject=Default__GameplayStatics
bHidden=True
End Object
Begin Object Name="EdGraphPin_40738"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2475.EdGraphPin_38855'
End Object
Begin Object Name="EdGraphPin_40737"
PinName="execute"

```

```

        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1887.EdGraphPin_39017'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="CreateSaveGameObject")
    Pins(0)=EdGraphPin'EdGraphPin_40737'
    Pins(1)=EdGraphPin'EdGraphPin_40738'
    Pins(2)=EdGraphPin'EdGraphPin_40739'
    Pins(3)=EdGraphPin'EdGraphPin_40740'
    Pins(4)=EdGraphPin'EdGraphPin_40741'
    NodePosX=-2432
    NodePosY=480
    NodeGuid=908E58194AE020E453E101882AB49181
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_2235"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38955"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38954"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38953"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38952"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38951"
    End Object
    Begin Object Name="EdGraphPin_38955"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envt_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_38954"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
        LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_663.EdGraphPin_40698'
    End Object
    Begin Object Name="EdGraphPin_38953"
        PinName="Levels_Saver"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_9696.EdGraphPin_40757'
    End Object
    Begin Object Name="EdGraphPin_38952"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_663.EdGraphPin_40695'
    End Object
    Begin Object Name="EdGraphPin_38951"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_9696.EdGraphPin_40753'
    End Object
    VariableReference=(MemberName="Levels_Saver",MemberGuid=1C9ED9164C537021062E92BD44FB73AC,bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_38951'
    Pins(1)=EdGraphPin'EdGraphPin_38952'
    Pins(2)=EdGraphPin'EdGraphPin_38953'
    Pins(3)=EdGraphPin'EdGraphPin_38954'
    Pins(4)=EdGraphPin'EdGraphPin_38955'
    NodePosX=-2144
    NodePosY=176
    NodeGuid=D30AF00E42E8F897A99654909FB142F7
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_9696"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40757"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40756"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40755"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40754"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40753"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40752"
    End Object
    Begin Object Name="EdGraphPin_40757"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SaveGame')
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2235.EdGraphPin_38953'
    End Object
    Begin Object Name="EdGraphPin_40756"
        PinName="UserIndex"
        PinType=(PinCategory="int",bIsConst=True)
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40755"
        PinName="SlotName"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10636.EdGraphPin_38966'
    End Object
    Begin Object Name="EdGraphPin_40754"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')

```

```

        DefaultObject=Default__GameplayStatics
        bHidden=True
    End Object
Begin Object Name="EdGraphPin_40753"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_2235.EdGraphPin_38951'
End Object
Begin Object Name="EdGraphPin_40752"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1887.EdGraphPin_39016'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="LoadGameFromSlot")
Pins(0)=EdGraphPin'EdGraphPin_40752'
Pins(1)=EdGraphPin'EdGraphPin_40753'
Pins(2)=EdGraphPin'EdGraphPin_40754'
Pins(3)=EdGraphPin'EdGraphPin_40755'
Pins(4)=EdGraphPin'EdGraphPin_40756'
Pins(5)=EdGraphPin'EdGraphPin_40757'
NodePosX=-2432
NodePosY=160
NodeGuid=3A226A0F467586CC3CD571B4099BC9D2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10636"
    Begin Object Class=EdGraphPin Name="EdGraphPin_38967"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_38966"
        End Object
    Begin Object Name="EdGraphPin_38967"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_38966"
        PinName="Lvls"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_9696.EdGraphPin_40755'
    End Object
    VariableReference=(MemberName="Lvls",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_38966'
    Pins(1)=EdGraphPin'EdGraphPin_38967'
    NodePosX=-2624
    NodePosY=176
    NodeGuid=023390AE43C4DF26261F64B434A0339F
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_1887"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39017"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39016"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39015"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39014"
        End Object
    Begin Object Name="EdGraphPin_39017"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_13228.EdGraphPin_40737'
    End Object
    Begin Object Name="EdGraphPin_39016"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_9696.EdGraphPin_40752'
    End Object
    Begin Object Name="EdGraphPin_39015"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_11402.EdGraphPin_40775'
    End Object
    Begin Object Name="EdGraphPin_39014"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_11402.EdGraphPin_40771'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_39014'
    Pins(1)=EdGraphPin'EdGraphPin_39015'
    Pins(2)=EdGraphPin'EdGraphPin_39016'
    Pins(3)=EdGraphPin'EdGraphPin_39017'
    NodePosX=-2624
    NodePosY=320
    NodeGuid=766488C44FCF1C7C025D04ADE188F92C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_11402"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40775"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40774"
        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_40773"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40772"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40771"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40770"
End Object
Begin Object Name="EdGraphPin_40775"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1887.EdGraphPin_39015'
End Object
Begin Object Name="EdGraphPin_40774"
  PinName="UserIndex"
  PinType=(PinCategory="int",bIsConst=True)
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40773"
  PinName="SlotName"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_4387.EdGraphPin_39116'
End Object
Begin Object Name="EdGraphPin_40772"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
  DefaultObject=Default__GameplayStatics
  bHidden=True
End Object
Begin Object Name="EdGraphPin_40771"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_1887.EdGraphPin_39014'
End Object
Begin Object Name="EdGraphPin_40770"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_918.EdGraphPin_38148'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="DoesSaveGameExist")
Pins(0)=EdGraphPin'EdGraphPin_40770'
Pins(1)=EdGraphPin'EdGraphPin_40771'
Pins(2)=EdGraphPin'EdGraphPin_40772'
Pins(3)=EdGraphPin'EdGraphPin_40773'
Pins(4)=EdGraphPin'EdGraphPin_40774'
Pins(5)=EdGraphPin'EdGraphPin_40775'
NodePosX=-2896
NodePosY=320
NodeGuid=59506D374DE6399E17F0969C74F203E3
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_4387"
Begin Object Class=EdGraphPin Name="EdGraphPin_39117"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39116"
End Object
Begin Object Name="EdGraphPin_39117"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_39116"
  PinName="Lvls"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_11402.EdGraphPin_40773'
End Object
VariableReference=(MemberName="Lvls",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39116'
Pins(1)=EdGraphPin'EdGraphPin_39117'
NodePosX=-3072
NodePosY=592
NodeGuid=68EFF329407C424842722A956CEB149D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_18977"
Begin Object Class=EdGraphPin Name="EdGraphPin_40795"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40794"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40793"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40792"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40791"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40790"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40789"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40788"
End Object
Begin Object Name="EdGraphPin_40795"

```

```

        PinName="StartTime"
        PinType=(PinCategory="float")
        DefaultValue="0.000000"
        AutogeneratedDefaultValue="0.000000"
        bAdvancedView=True
    End Object
Begin Object Name="EdGraphPin_40794"
    PinName="PitchMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40793"
    PinName="VolumeMultiplier"
    PinType=(PinCategory="float")
    DefaultValue="1.000000"
    AutogeneratedDefaultValue="1.000000"
    bAdvancedView=True
End Object
Begin Object Name="EdGraphPin_40792"
    PinName="Sound"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.SoundBase')
    DefaultObject=SoundWave'/Game/DCE_instruction.DCE_instruction'
End Object
Begin Object Name="EdGraphPin_40791"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40790"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
Begin Object Name="EdGraphPin_40789"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11153.EdGraphPin_37337'
End Object
Begin Object Name="EdGraphPin_40788"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4853.EdGraphPin_38748'
    LinkedTo(1)=EdGraphPin'K2Node_VariableSet_4988.EdGraphPin_38811'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="PlaySound2D")
Pins(0)=EdGraphPin'EdGraphPin_40788'
Pins(1)=EdGraphPin'EdGraphPin_40789'
Pins(2)=EdGraphPin'EdGraphPin_40790'
Pins(3)=EdGraphPin'EdGraphPin_40791'
Pins(4)=EdGraphPin'EdGraphPin_40792'
Pins(5)=EdGraphPin'EdGraphPin_40793'
Pins(6)=EdGraphPin'EdGraphPin_40794'
Pins(7)=EdGraphPin'EdGraphPin_40795'
NodePosX=-1008
NodePosY=256
NodeGuid=2C71FEA642B7425DFA96E8A93CE3AECB
AdvancedPinDisplay=Hidden
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_321"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39123"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39122"
        End Object
    Begin Object Name="EdGraphPin_39123"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_39122"
        PinName="Remaining_Levels"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4200.EdGraphPin_40599'
    End Object
    VariableReference=(MemberName="Remaining_Levels",MemberGuid=BBBA66D445A8C8F2044E978390B5B2F0,bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_39122'
    Pins(1)=EdGraphPin'EdGraphPin_39123'
    NodePosX=-3360
    NodePosY=4240
    NodeGuid=4C0CCB754D855F13C642C8ABFB601CF6
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_174"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39156"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39155"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39154"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39153"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39152"

```

```

End Object
Begin Object Name="EdGraphPin_39156"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_39155"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_8985.EdGraphPin_40690'
End Object
Begin Object Name="EdGraphPin_39154"
    PinName="Saver"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_663.EdGraphPin_40699'
End Object
Begin Object Name="EdGraphPin_39153"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4853.EdGraphPin_38747'
End Object
Begin Object Name="EdGraphPin_39152"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_663.EdGraphPin_40696'
End Object
VariableReference=(MemberName="Saver",MemberGuid=E0643E0443FDC6F8C6AC2E9091FBE7DB,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39152'
Pins(1)=EdGraphPin'EdGraphPin_39153'
Pins(2)=EdGraphPin'EdGraphPin_39154'
Pins(3)=EdGraphPin'EdGraphPin_39155'
Pins(4)=EdGraphPin'EdGraphPin_39156'
NodePosX=-1696
NodePosY=176
NodeGuid=1BB232CA44AE9982B12F27A722FDA506
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_233"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37149"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37148"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37147"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37146"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37145"
        End Object
    Begin Object Name="EdGraphPin_37149"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_37148"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_9178.EdGraphPin_40714'
    End Object
    Begin Object Name="EdGraphPin_37147"
        PinName="Saver"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
        LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_780.EdGraphPin_40723'
    End Object
    Begin Object Name="EdGraphPin_37146"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_4988.EdGraphPin_38810'
    End Object
    Begin Object Name="EdGraphPin_37145"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_DynamicCast_780.EdGraphPin_40720'
    End Object
    VariableReference=(MemberName="Saver",MemberGuid=E0643E0443FDC6F8C6AC2E9091FBE7DB,bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_37145'
    Pins(1)=EdGraphPin'EdGraphPin_37146'
    Pins(2)=EdGraphPin'EdGraphPin_37147'
    Pins(3)=EdGraphPin'EdGraphPin_37148'
    Pins(4)=EdGraphPin'EdGraphPin_37149'
    NodePosX=-1680
    NodePosY=512
    NodeGuid=4E534D5F40807B9A1677299F01551238
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_634"
    Begin Object Class=EdGraphPin Name="EdGraphPin_39168"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_39167"
        End Object
    Begin Object Name="EdGraphPin_39168"
        PinName="self"

```

```

    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_39167"
    PinName="Saver"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Blueprints/Save_Levels_DCE.Save_Levels_DCE_C')
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_5240.EdGraphPin_40618'
End Object
VariableReference=(MemberName="Saver",MemberGuid=E0643E0443FDC6F8C6AC2E9091FBE7DB,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39167'
Pins(1)=EdGraphPin'EdGraphPin_39168'
NodePosX=-2784
NodePosY=4432
NodeGuid=EEA6407D4B5187DDF6D2DBAFF17D8F94
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1196"
Begin Object Class=EdGraphPin Name="EdGraphPin_40815"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40814"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40813"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40812"
End Object
Begin Object Name="EdGraphPin_40815"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43586.EdGraphPin_40858'
    LinkedTo(1)=EdGraphPin'K2Node_CallFunction_43587.EdGraphPin_40870'
    LinkedTo(2)=EdGraphPin'K2Node_CallFunction_43588.EdGraphPin_40882'
    LinkedTo(3)=EdGraphPin'K2Node_CallFunction_43589.EdGraphPin_40894'
    LinkedTo(4)=EdGraphPin'K2Node_CallFunction_43594.EdGraphPin_40906'
    LinkedTo(5)=EdGraphPin'K2Node_CallFunction_43595.EdGraphPin_40918'
    LinkedTo(6)=EdGraphPin'K2Node_CallFunction_43596.EdGraphPin_40930'
    LinkedTo(7)=EdGraphPin'K2Node_CallFunction_43597.EdGraphPin_40942'
    LinkedTo(8)=EdGraphPin'K2Node_CallFunction_43598.EdGraphPin_40954'
    LinkedTo(9)=EdGraphPin'K2Node_CallFunction_43599.EdGraphPin_40966'
    LinkedTo(10)=EdGraphPin'K2Node_CallFunction_43600.EdGraphPin_40978'
    LinkedTo(11)=EdGraphPin'K2Node_CallFunction_43601.EdGraphPin_40990'
    LinkedTo(12)=EdGraphPin'K2Node_CallFunction_43602.EdGraphPin_41002'
    LinkedTo(13)=EdGraphPin'K2Node_CallFunction_43603.EdGraphPin_41014'
    LinkedTo(14)=EdGraphPin'K2Node_CallFunction_43604.EdGraphPin_41026'
    LinkedTo(15)=EdGraphPin'K2Node_CallFunction_43605.EdGraphPin_41038'
    LinkedTo(16)=EdGraphPin'K2Node_CallFunction_43590.EdGraphPin_41050'
    LinkedTo(17)=EdGraphPin'K2Node_CallFunction_43591.EdGraphPin_41062'
    LinkedTo(18)=EdGraphPin'K2Node_CallFunction_43592.EdGraphPin_41074'
    LinkedTo(19)=EdGraphPin'K2Node_CallFunction_43593.EdGraphPin_41086'
    LinkedTo(20)=EdGraphPin'K2Node_CallFunction_43582.EdGraphPin_41098'
    LinkedTo(21)=EdGraphPin'K2Node_CallFunction_43583.EdGraphPin_41110'
    LinkedTo(22)=EdGraphPin'K2Node_CallFunction_43584.EdGraphPin_41122'
    LinkedTo(23)=EdGraphPin'K2Node_CallFunction_43585.EdGraphPin_41134'
    LinkedTo(24)=EdGraphPin'K2Node_CallFunction_43514.EdGraphPin_41146'
    LinkedTo(25)=EdGraphPin'K2Node_CallFunction_43515.EdGraphPin_41158'
    LinkedTo(26)=EdGraphPin'K2Node_CallFunction_43513.EdGraphPin_41170'
    LinkedTo(27)=EdGraphPin'K2Node_CallFunction_43512.EdGraphPin_41182'
End Object
Begin Object Name="EdGraphPin_40814"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="-2"
    AutogeneratedDefaultValue="1"
End Object
Begin Object Name="EdGraphPin_40813"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2692.EdGraphPin_40850'
End Object
Begin Object Name="EdGraphPin_40812"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="Add_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40812'
Pins(1)=EdGraphPin'EdGraphPin_40813'
Pins(2)=EdGraphPin'EdGraphPin_40814'
Pins(3)=EdGraphPin'EdGraphPin_40815'
NodePosX=-688
NodePosY=2400
NodeGuid=BD8FBC7664F93D19C0E6F6F8F8C9F59E7
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14317"
Begin Object Class=EdGraphPin Name="EdGraphPin_35924"
End Object
Begin Object Name="EdGraphPin_35924"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output

```



```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33030.EdGraphPin_40825'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35924'
    NodePosX=128
    NodePosY=544
    NodeGuid=644DA451484DFBC592116BAC79F1868D
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14318"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35921"
    End Object
    Begin Object Name="EdGraphPin_35921"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33031.EdGraphPin_40831'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35921'
    NodePosX=128
    NodePosY=592
    NodeGuid=7ACBF15D432771D83F4D8C9D61AC8DB2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33030"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40825"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40824"
    End Object
    Begin Object Name="EdGraphPin_40825"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14317.EdGraphPin_35924'
    End Object
    Begin Object Name="EdGraphPin_40824"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43883.EdGraphPin_40838'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_40824'
    Pins(1)=EdGraphPin'EdGraphPin_40825'
    NodePosX=320
    NodePosY=544
    NodeGuid=7FEDDB25418B44416DF6F9965ABC4ED5
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33031"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40831"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40830"
    End Object
    Begin Object Name="EdGraphPin_40831"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14318.EdGraphPin_35921'
    End Object
    Begin Object Name="EdGraphPin_40830"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43883.EdGraphPin_40838'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_40830'
    Pins(1)=EdGraphPin'EdGraphPin_40831'
    NodePosX=320
    NodePosY=592
    NodeGuid=72912C8F49F8E755C0B44BACFD5E5D26
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43883"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40839"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40838"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40837"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40836"
    End Object
    Begin Object Name="EdGraphPin_40839"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/28_Mat.28_Mat'
    End Object
    Begin Object Name="EdGraphPin_40838"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33030.EdGraphPin_40824'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33031.EdGraphPin_40830'
    End Object
    Begin Object Name="EdGraphPin_40837"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_40836"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11153.EdGraphPin_37339'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_40836'
Pins(1)=EdGraphPin'EdGraphPin_40837'
Pins(2)=EdGraphPin'EdGraphPin_40838'
Pins(3)=EdGraphPin'EdGraphPin_40839'
NodePosX=544
NodePosY=480
NodeGuid=44329CA14714A09E9340B5A7AE37485B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_30763"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37233"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37232"
        End Object
    Begin Object Name="EdGraphPin_37233"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level01.enva_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_37232"
        PinName="Remaining_Levels"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2692.EdGraphPin_40849'
    End Object
    VariableReference=(MemberName="Remaining_Levels",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_37232'
    Pins(1)=EdGraphPin'EdGraphPin_37233'
    NodePosX=-848
    NodePosY=704
    NodeGuid=7CA04B554DA9A11547096A5764F6CF8
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2692"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40850"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40849"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40848"
        End Object
    Begin Object Name="EdGraphPin_40850"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40813'
    End Object
    Begin Object Name="EdGraphPin_40849"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_30763.EdGraphPin_37232'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_40848"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Length")
    Pins(0)=EdGraphPin'EdGraphPin_40848'
    Pins(1)=EdGraphPin'EdGraphPin_40849'
    Pins(2)=EdGraphPin'EdGraphPin_40850'
    NodePosX=-704
    NodePosY=624
    NodeGuid=4053D08448EEFFCDD875CFAC8D1E15D8
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43586"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40860"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40859"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40858"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40857"
        End Object
    Begin Object Name="EdGraphPin_40860"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11153.EdGraphPin_37338'
    End Object
    Begin Object Name="EdGraphPin_40859"
        PinName="B"
        PinType=(PinCategory="int")

```

```

        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_40858"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_40857"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40857'
Pins(1)=EdGraphPin'EdGraphPin_40858'
Pins(2)=EdGraphPin'EdGraphPin_40859'
Pins(3)=EdGraphPin'EdGraphPin_40860'
NodePosX=-288
NodePosY=528
NodeGuid=A423130246E7E00A833FA4913A701E2A
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43587"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40872"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40871"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40870"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40869"
        End Object
    Begin Object Name="EdGraphPin_40872"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11154.EdGraphPin_37350'
    End Object
    Begin Object Name="EdGraphPin_40871"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40870"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
    Begin Object Name="EdGraphPin_40869"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40869'
    Pins(1)=EdGraphPin'EdGraphPin_40870'
    Pins(2)=EdGraphPin'EdGraphPin_40871'
    Pins(3)=EdGraphPin'EdGraphPin_40872'
    NodePosX=-288
    NodePosY=672
    NodeGuid=C1867CFC4CCC0D3A0F586398B8AE25F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43588"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40884"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40883"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40882"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40881"
        End Object
    Begin Object Name="EdGraphPin_40884"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11155.EdGraphPin_37362'
    End Object
    Begin Object Name="EdGraphPin_40883"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="2"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40882"
        PinName="A"

```

```

        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
Begin Object Name="EdGraphPin_40881"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40881'
Pins(1)=EdGraphPin'EdGraphPin_40882'
Pins(2)=EdGraphPin'EdGraphPin_40883'
Pins(3)=EdGraphPin'EdGraphPin_40884'
NodePosX=-288
NodePosY=816
NodeGuid=DB3E3456488AAA27DDB0E690C7CD0098
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43589"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40896"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40895"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40894"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40893"
        End Object
    Begin Object Name="EdGraphPin_40896"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11156.EdGraphPin_37374'
    End Object
    Begin Object Name="EdGraphPin_40895"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="3"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40894"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
    Begin Object Name="EdGraphPin_40893"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40893'
    Pins(1)=EdGraphPin'EdGraphPin_40894'
    Pins(2)=EdGraphPin'EdGraphPin_40895'
    Pins(3)=EdGraphPin'EdGraphPin_40896'
    NodePosX=-288
    NodePosY=960
    NodeGuid=F7471A734C48B1E2C82F9DADA988FC00
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43594"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40908"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40907"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40906"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40905"
        End Object
    Begin Object Name="EdGraphPin_40908"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11161.EdGraphPin_37386'
    End Object
    Begin Object Name="EdGraphPin_40907"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="4"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40906"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
End Object

```

```

Begin Object Name="EdGraphPin_40905"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40905'
Pins(1)=EdGraphPin'EdGraphPin_40906'
Pins(2)=EdGraphPin'EdGraphPin_40907'
Pins(3)=EdGraphPin'EdGraphPin_40908'
NodePosX=-288
NodePosY=1104
NodeGuid=2F263BAC4FF7FC30A6ABC7B15BAE974F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43595"
  Begin Object Class=EdGraphPin Name="EdGraphPin_40920"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40919"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40918"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40917"
    End Object
  Begin Object Name="EdGraphPin_40920"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11162.EdGraphPin_37398'
  End Object
  Begin Object Name="EdGraphPin_40919"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="5"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_40918"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
  End Object
  Begin Object Name="EdGraphPin_40917"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
  Pins(0)=EdGraphPin'EdGraphPin_40917'
  Pins(1)=EdGraphPin'EdGraphPin_40918'
  Pins(2)=EdGraphPin'EdGraphPin_40919'
  Pins(3)=EdGraphPin'EdGraphPin_40920'
  NodePosX=-288
  NodePosY=1248
  NodeGuid=5267CF114CA2ED560B96D2927DA3FEBF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43596"
  Begin Object Class=EdGraphPin Name="EdGraphPin_40932"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40931"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40930"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_40929"
    End Object
  Begin Object Name="EdGraphPin_40932"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11163.EdGraphPin_37410'
  End Object
  Begin Object Name="EdGraphPin_40931"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="6"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_40930"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
  End Object
  Begin Object Name="EdGraphPin_40929"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary

```

```

        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40929'
    Pins(1)=EdGraphPin'EdGraphPin_40930'
    Pins(2)=EdGraphPin'EdGraphPin_40931'
    Pins(3)=EdGraphPin'EdGraphPin_40932'
    NodePosX=-288
    NodePosY=1392
    NodeGuid=5253371E46F27292CEED697BE0815C0
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43597"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40944"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40943"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40942"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40941"
    End Object
    Begin Object Name="EdGraphPin_40944"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11164.EdGraphPin_37422'
    End Object
    Begin Object Name="EdGraphPin_40943"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="7"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40942"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
    Begin Object Name="EdGraphPin_40941"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40941'
    Pins(1)=EdGraphPin'EdGraphPin_40942'
    Pins(2)=EdGraphPin'EdGraphPin_40943'
    Pins(3)=EdGraphPin'EdGraphPin_40944'
    NodePosX=-288
    NodePosY=1536
    NodeGuid=C58E3AA147ED67DE883AB384A273A0F0
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11153"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37340"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37339"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37338"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37337"
    End Object
    Begin Object Name="EdGraphPin_37340"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11154.EdGraphPin_37349'
    End Object
    Begin Object Name="EdGraphPin_37339"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43883.EdGraphPin_40836'
    End Object
    Begin Object Name="EdGraphPin_37338"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43586.EdGraphPin_40860'
    End Object
    Begin Object Name="EdGraphPin_37337"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_18977.EdGraphPin_40789'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37337'
    Pins(1)=EdGraphPin'EdGraphPin_37338'
    Pins(2)=EdGraphPin'EdGraphPin_37339'
    Pins(3)=EdGraphPin'EdGraphPin_37340'

```

```

NodePosX=-96
NodePosY=496
NodeGuid=C1682F6B4B6C9B7F81D048B7C8BE76C2
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11154"
Begin Object Class=EdGraphPin Name="EdGraphPin_37352"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37351"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37350"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37349"
End Object
Begin Object Name="EdGraphPin_37352"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11155.EdGraphPin_37361'
End Object
Begin Object Name="EdGraphPin_37351"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43884.EdGraphPin_41205'
End Object
Begin Object Name="EdGraphPin_37350"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43587.EdGraphPin_40872'
End Object
Begin Object Name="EdGraphPin_37349"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11153.EdGraphPin_37340'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37349'
Pins(1)=EdGraphPin'EdGraphPin_37350'
Pins(2)=EdGraphPin'EdGraphPin_37351'
Pins(3)=EdGraphPin'EdGraphPin_37352'
NodePosX=-96
NodePosY=640
NodeGuid=5F0B0DE24B76ACEE7F9B119F5F3B9D1F
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11155"
Begin Object Class=EdGraphPin Name="EdGraphPin_37364"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37363"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37362"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37361"
End Object
Begin Object Name="EdGraphPin_37364"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11156.EdGraphPin_37373'
End Object
Begin Object Name="EdGraphPin_37363"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43885.EdGraphPin_41229'
End Object
Begin Object Name="EdGraphPin_37362"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43588.EdGraphPin_40884'
End Object
Begin Object Name="EdGraphPin_37361"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11154.EdGraphPin_37352'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37361'
Pins(1)=EdGraphPin'EdGraphPin_37362'
Pins(2)=EdGraphPin'EdGraphPin_37363'
Pins(3)=EdGraphPin'EdGraphPin_37364'
NodePosX=-96
NodePosY=784
NodeGuid=A9DDAEEE4214ABDE1C1D1EB668F1F763
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11156"
Begin Object Class=EdGraphPin Name="EdGraphPin_37376"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37375"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37374"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_37373"
End Object
Begin Object Name="EdGraphPin_37376"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11161.EdGraphPin_37385'
End Object
Begin Object Name="EdGraphPin_37375"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43886.EdGraphPin_41253'
End Object
Begin Object Name="EdGraphPin_37374"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43589.EdGraphPin_40896'
End Object
Begin Object Name="EdGraphPin_37373"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11155.EdGraphPin_37364'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37373'
Pins(1)=EdGraphPin'EdGraphPin_37374'
Pins(2)=EdGraphPin'EdGraphPin_37375'
Pins(3)=EdGraphPin'EdGraphPin_37376'
NodePosX=-96
NodePosY=928
NodeGuid=1264F8BD42D0525050250B8AA3D50BF3
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11161"
Begin Object Class=EdGraphPin Name="EdGraphPin_37388"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37387"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37386"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37385"
End Object
Begin Object Name="EdGraphPin_37388"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11162.EdGraphPin_37397'
End Object
Begin Object Name="EdGraphPin_37387"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43984.EdGraphPin_41277'
End Object
Begin Object Name="EdGraphPin_37386"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43594.EdGraphPin_40908'
End Object
Begin Object Name="EdGraphPin_37385"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11156.EdGraphPin_37376'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37385'
Pins(1)=EdGraphPin'EdGraphPin_37386'
Pins(2)=EdGraphPin'EdGraphPin_37387'
Pins(3)=EdGraphPin'EdGraphPin_37388'
NodePosX=-96
NodePosY=1072
NodeGuid=80D6F0BC4629BF5BC60A5E8E50AF500E
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11162"
Begin Object Class=EdGraphPin Name="EdGraphPin_37400"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37399"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37398"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37397"
End Object
Begin Object Name="EdGraphPin_37400"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11163.EdGraphPin_37409'
End Object
Begin Object Name="EdGraphPin_37399"
    PinName="then"

```



```

    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43985.EdGraphPin_41301'
End Object
Begin Object Name="EdGraphPin_37398"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43595.EdGraphPin_40920'
End Object
Begin Object Name="EdGraphPin_37397"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11161.EdGraphPin_37388'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37397'
Pins(1)=EdGraphPin'EdGraphPin_37398'
Pins(2)=EdGraphPin'EdGraphPin_37399'
Pins(3)=EdGraphPin'EdGraphPin_37400'
NodePosX=-96
NodePosY=1216
NodeGuid=FAC32BE1494DE9DCE6F77BBF0D06DC5E
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11163"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37412"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37411"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37410"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37409"
    End Object
    Begin Object Name="EdGraphPin_37412"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11164.EdGraphPin_37421'
    End Object
    Begin Object Name="EdGraphPin_37411"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43986.EdGraphPin_41325'
    End Object
    Begin Object Name="EdGraphPin_37410"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43596.EdGraphPin_40932'
    End Object
    Begin Object Name="EdGraphPin_37409"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11162.EdGraphPin_37400'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37409'
    Pins(1)=EdGraphPin'EdGraphPin_37410'
    Pins(2)=EdGraphPin'EdGraphPin_37411'
    Pins(3)=EdGraphPin'EdGraphPin_37412'
    NodePosX=-96
    NodePosY=1360
    NodeGuid=C7B0046C4CC2380FF2C62696E4CB3243
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11164"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37424"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37423"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37422"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37421"
    End Object
    Begin Object Name="EdGraphPin_37424"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11165.EdGraphPin_37529'
    End Object
    Begin Object Name="EdGraphPin_37423"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43987.EdGraphPin_41349'
    End Object
    Begin Object Name="EdGraphPin_37422"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43597.EdGraphPin_40944'
    End Object

```

```

End Object
Begin Object Name="EdGraphPin_37421"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11163.EdGraphPin_37412'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37421'
Pins(1)=EdGraphPin'EdGraphPin_37422'
Pins(2)=EdGraphPin'EdGraphPin_37423'
Pins(3)=EdGraphPin'EdGraphPin_37424'
NodePosX=-96
NodePosY=1504
NodeGuid=EDC0BD76420A17558C582F99D9FAA917
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43598"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40956"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40955"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40954"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40953"
        End Object
    Begin Object Name="EdGraphPin_40956"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11165.EdGraphPin_37530'
    End Object
    Begin Object Name="EdGraphPin_40955"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="8"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40954"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
    Begin Object Name="EdGraphPin_40953"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
    Pins(0)=EdGraphPin'EdGraphPin_40953'
    Pins(1)=EdGraphPin'EdGraphPin_40954'
    Pins(2)=EdGraphPin'EdGraphPin_40955'
    Pins(3)=EdGraphPin'EdGraphPin_40956'
    NodePosX=-288
    NodePosY=1680
    NodeGuid=0EA8B01148101ACCD326FE9A71E48BC3
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43599"
    Begin Object Class=EdGraphPin Name="EdGraphPin_40968"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40967"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40966"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_40965"
        End Object
    Begin Object Name="EdGraphPin_40968"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11166.EdGraphPin_37542'
    End Object
    Begin Object Name="EdGraphPin_40967"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="9"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_40966"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
    End Object
    Begin Object Name="EdGraphPin_40965"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
    bIsPureFunc=True

```

```

FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40965'
Pins(1)=EdGraphPin'EdGraphPin_40966'
Pins(2)=EdGraphPin'EdGraphPin_40967'
Pins(3)=EdGraphPin'EdGraphPin_40968'
NodePosX=-288
NodePosY=1824
NodeGuid=EE6CE583429658A1C05BE9A157CBADB6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43600"
Begin Object Class=EdGraphPin Name="EdGraphPin_40980"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40979"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40978"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40977"
End Object
Begin Object Name="EdGraphPin_40980"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11167.EdGraphPin_37554'
End Object
Begin Object Name="EdGraphPin_40979"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="10"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40978"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_40977"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40977'
Pins(1)=EdGraphPin'EdGraphPin_40978'
Pins(2)=EdGraphPin'EdGraphPin_40979'
Pins(3)=EdGraphPin'EdGraphPin_40980'
NodePosX=-288
NodePosY=1968
NodeGuid=57FA90464859D51C452648B8C4A01FD8
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43601"
Begin Object Class=EdGraphPin Name="EdGraphPin_40992"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40991"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40990"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_40989"
End Object
Begin Object Name="EdGraphPin_40992"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11168.EdGraphPin_37566'
End Object
Begin Object Name="EdGraphPin_40991"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="11"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_40990"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_40989"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_40989'
Pins(1)=EdGraphPin'EdGraphPin_40990'
Pins(2)=EdGraphPin'EdGraphPin_40991'
Pins(3)=EdGraphPin'EdGraphPin_40992'

```

```

NodePosX=-288
NodePosY=2112
NodeGuid=E3BD6F79483BE7AD8920C681F54E57DA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43602"
Begin Object Class=EdGraphPin Name="EdGraphPin_41004"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41003"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41002"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41001"
End Object
Begin Object Name="EdGraphPin_41004"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11169.EdGraphPin_37578'
End Object
Begin Object Name="EdGraphPin_41003"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="12"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41002"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41001"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41001'
Pins(1)=EdGraphPin'EdGraphPin_41002'
Pins(2)=EdGraphPin'EdGraphPin_41003'
Pins(3)=EdGraphPin'EdGraphPin_41004'
NodePosX=-288
NodePosY=2256
NodeGuid=9706984940EDD27132C75C960A26C236
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43603"
Begin Object Class=EdGraphPin Name="EdGraphPin_41016"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41015"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41014"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41013"
End Object
Begin Object Name="EdGraphPin_41016"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11170.EdGraphPin_37590'
End Object
Begin Object Name="EdGraphPin_41015"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="13"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41014"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41013"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41013'
Pins(1)=EdGraphPin'EdGraphPin_41014'
Pins(2)=EdGraphPin'EdGraphPin_41015'
Pins(3)=EdGraphPin'EdGraphPin_41016'
NodePosX=-288
NodePosY=2400
NodeGuid=1917D8364AE860606CAD06B54B55161B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43604"

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_41028"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41027"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41026"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41025"
End Object
Begin Object Name="EdGraphPin_41028"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11171.EdGraphPin_37602'
End Object
Begin Object Name="EdGraphPin_41027"
  PinName="B"
  PinType=(PinCategory="int")
  DefaultValue="14"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41026"
  PinName="A"
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41025"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41025'
Pins(1)=EdGraphPin'EdGraphPin_41026'
Pins(2)=EdGraphPin'EdGraphPin_41027'
Pins(3)=EdGraphPin'EdGraphPin_41028'
NodePosX=-288
NodePosY=2544
NodeGuid=C71B39254AA7AE4071FF34A8B7C61B7D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43605"
  Begin Object Class=EdGraphPin Name="EdGraphPin_41040"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41039"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41038"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41037"
  End Object
  Begin Object Name="EdGraphPin_41040"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11172.EdGraphPin_37614'
  End Object
  Begin Object Name="EdGraphPin_41039"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="15"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_41038"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
  End Object
  Begin Object Name="EdGraphPin_41037"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
  Pins(0)=EdGraphPin'EdGraphPin_41037'
  Pins(1)=EdGraphPin'EdGraphPin_41038'
  Pins(2)=EdGraphPin'EdGraphPin_41039'
  Pins(3)=EdGraphPin'EdGraphPin_41040'
  NodePosX=-288
  NodePosY=2688
  NodeGuid=0D7693DC431E87F4EE89F88F7AA4B784
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11165"
  Begin Object Class=EdGraphPin Name="EdGraphPin_37532"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37531"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37530"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37529"
End Object
Begin Object Name="EdGraphPin_37532"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11166.EdGraphPin_37541'
End Object
Begin Object Name="EdGraphPin_37531"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44089.EdGraphPin_41373'
End Object
Begin Object Name="EdGraphPin_37530"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43598.EdGraphPin_40956'
End Object
Begin Object Name="EdGraphPin_37529"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11164.EdGraphPin_37424'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37529'
Pins(1)=EdGraphPin'EdGraphPin_37530'
Pins(2)=EdGraphPin'EdGraphPin_37531'
Pins(3)=EdGraphPin'EdGraphPin_37532'
NodePosX=-96
NodePosY=1648
NodeGuid=771CFEE54629402C28322FA5DF7C7C28
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11166"
Begin Object Class=EdGraphPin Name="EdGraphPin_37544"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37543"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37542"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37541"
End Object
Begin Object Name="EdGraphPin_37544"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11167.EdGraphPin_37553'
End Object
Begin Object Name="EdGraphPin_37543"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44090.EdGraphPin_41397'
End Object
Begin Object Name="EdGraphPin_37542"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43599.EdGraphPin_40968'
End Object
Begin Object Name="EdGraphPin_37541"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11165.EdGraphPin_37532'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37541'
Pins(1)=EdGraphPin'EdGraphPin_37542'
Pins(2)=EdGraphPin'EdGraphPin_37543'
Pins(3)=EdGraphPin'EdGraphPin_37544'
NodePosX=-96
NodePosY=1792
NodeGuid=93B2A8934212946D200C54BF26B630C9
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11167"
Begin Object Class=EdGraphPin Name="EdGraphPin_37556"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37555"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37554"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37553"
End Object
Begin Object Name="EdGraphPin_37556"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11168.EdGraphPin_37565'
End Object
Begin Object Name="EdGraphPin_37555"

```

```

        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44091.EdGraphPin_41421'
    End Object
    Begin Object Name="EdGraphPin_37554"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43600.EdGraphPin_40980'
    End Object
    Begin Object Name="EdGraphPin_37553"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11166.EdGraphPin_37544'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37553'
    Pins(1)=EdGraphPin'EdGraphPin_37554'
    Pins(2)=EdGraphPin'EdGraphPin_37555'
    Pins(3)=EdGraphPin'EdGraphPin_37556'
    NodePosX=-96
    NodePosY=1936
    NodeGuid=379EC3BB4DC1D3AF3A2A1AA77559CFE2
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11168"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37568"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37567"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37566"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37565"
        End Object
    Begin Object Name="EdGraphPin_37568"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11169.EdGraphPin_37577'
    End Object
    Begin Object Name="EdGraphPin_37567"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44092.EdGraphPin_41445'
    End Object
    Begin Object Name="EdGraphPin_37566"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43601.EdGraphPin_40992'
    End Object
    Begin Object Name="EdGraphPin_37565"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11167.EdGraphPin_37556'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37565'
    Pins(1)=EdGraphPin'EdGraphPin_37566'
    Pins(2)=EdGraphPin'EdGraphPin_37567'
    Pins(3)=EdGraphPin'EdGraphPin_37568'
    NodePosX=-96
    NodePosY=2080
    NodeGuid=F596EE634B2ECB86E0D6B59FFB3D864D
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11169"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37580"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37579"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37578"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37577"
        End Object
    Begin Object Name="EdGraphPin_37580"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11170.EdGraphPin_37589'
    End Object
    Begin Object Name="EdGraphPin_37579"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44198.EdGraphPin_41469'
    End Object
    Begin Object Name="EdGraphPin_37578"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43602.EdGraphPin_41004'
End Object
Begin Object Name="EdGraphPin_37577"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11168.EdGraphPin_37568'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37577'
Pins(1)=EdGraphPin'EdGraphPin_37578'
Pins(2)=EdGraphPin'EdGraphPin_37579'
Pins(3)=EdGraphPin'EdGraphPin_37580'
NodePosX=-96
NodePosY=2224
NodeGuid=09C55D4A4DE0E6538003C79E750F48FF
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11170"
Begin Object Class=EdGraphPin Name="EdGraphPin_37592"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37591"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37590"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37589"
End Object
Begin Object Name="EdGraphPin_37592"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11171.EdGraphPin_37601'
End Object
Begin Object Name="EdGraphPin_37591"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44199.EdGraphPin_41493'
End Object
Begin Object Name="EdGraphPin_37590"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43603.EdGraphPin_41016'
End Object
Begin Object Name="EdGraphPin_37589"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11169.EdGraphPin_37580'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37589'
Pins(1)=EdGraphPin'EdGraphPin_37590'
Pins(2)=EdGraphPin'EdGraphPin_37591'
Pins(3)=EdGraphPin'EdGraphPin_37592'
NodePosX=-96
NodePosY=2368
NodeGuid=24FF1DB043F57A38E7998EB89ECC99FE
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11171"
Begin Object Class=EdGraphPin Name="EdGraphPin_37604"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37603"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37602"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37601"
End Object
Begin Object Name="EdGraphPin_37604"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11172.EdGraphPin_37613'
End Object
Begin Object Name="EdGraphPin_37603"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44200.EdGraphPin_41517'
End Object
Begin Object Name="EdGraphPin_37602"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43604.EdGraphPin_41028'
End Object
Begin Object Name="EdGraphPin_37601"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11170.EdGraphPin_37592'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37601'
Pins(1)=EdGraphPin'EdGraphPin_37602'
Pins(2)=EdGraphPin'EdGraphPin_37603'
Pins(3)=EdGraphPin'EdGraphPin_37604'

```



```

NodePosX=-96
NodePosY=2512
NodeGuid=1E625C9241DA701CCF5FCAB58C3820B7
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11172"
Begin Object Class=EdGraphPin Name="EdGraphPin_37616"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37615"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37614"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37613"
End Object
Begin Object Name="EdGraphPin_37616"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11157.EdGraphPin_37673'
End Object
Begin Object Name="EdGraphPin_37615"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44201.EdGraphPin_41541'
End Object
Begin Object Name="EdGraphPin_37614"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43605.EdGraphPin_41040'
End Object
Begin Object Name="EdGraphPin_37613"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11171.EdGraphPin_37604'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37613'
Pins(1)=EdGraphPin'EdGraphPin_37614'
Pins(2)=EdGraphPin'EdGraphPin_37615'
Pins(3)=EdGraphPin'EdGraphPin_37616'
NodePosX=-96
NodePosY=2656
NodeGuid=8F0A3A6A4C8330E21D275F85A3473F01
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43590"
Begin Object Class=EdGraphPin Name="EdGraphPin_41052"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41051"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41050"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41049"
End Object
Begin Object Name="EdGraphPin_41052"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11157.EdGraphPin_37674'
End Object
Begin Object Name="EdGraphPin_41051"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="16"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41050"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41049"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41049'
Pins(1)=EdGraphPin'EdGraphPin_41050'
Pins(2)=EdGraphPin'EdGraphPin_41051'
Pins(3)=EdGraphPin'EdGraphPin_41052'
NodePosX=-288
NodePosY=2832
NodeGuid=DBC42DF14533CFC2188C02A6C735C188
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43591"
Begin Object Class=EdGraphPin Name="EdGraphPin_41064"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41063"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41062"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41061"
End Object
Begin Object Name="EdGraphPin_41064"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11158.EdGraphPin_37686'
End Object
Begin Object Name="EdGraphPin_41063"
  PinName="B"
  PinType=(PinCategory="int")
  DefaultValue="17"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41062"
  PinName="A"
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41061"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41061'
Pins(1)=EdGraphPin'EdGraphPin_41062'
Pins(2)=EdGraphPin'EdGraphPin_41063'
Pins(3)=EdGraphPin'EdGraphPin_41064'
NodePosX=-288
NodePosY=2976
NodeGuid=CEEE8ACE490F2BD4D0D01A8E0B7C8C27
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43592"
  Begin Object Class=EdGraphPin Name="EdGraphPin_41076"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41075"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41074"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41073"
  End Object
  Begin Object Name="EdGraphPin_41076"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11159.EdGraphPin_37698'
  End Object
  Begin Object Name="EdGraphPin_41075"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="18"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_41074"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
  End Object
  Begin Object Name="EdGraphPin_41073"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
  Pins(0)=EdGraphPin'EdGraphPin_41073'
  Pins(1)=EdGraphPin'EdGraphPin_41074'
  Pins(2)=EdGraphPin'EdGraphPin_41075'
  Pins(3)=EdGraphPin'EdGraphPin_41076'
  NodePosX=-288
  NodePosY=3120
  NodeGuid=828A20E34622059F585651A50CA29571
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43593"
  Begin Object Class=EdGraphPin Name="EdGraphPin_41088"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41087"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41086"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_41085"
  End Object

```

```

Begin Object Name="EdGraphPin_41088"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  AutogeneratedDefaultValue="false"
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11160.EdGraphPin_37710'
End Object
Begin Object Name="EdGraphPin_41087"
  PinName="B"
  PinType=(PinCategory="int")
  DefaultValue="19"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41086"
  PinName="A"
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41085"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
  DefaultObject=Default__KismetMathLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41085'
Pins(1)=EdGraphPin'EdGraphPin_41086'
Pins(2)=EdGraphPin'EdGraphPin_41087'
Pins(3)=EdGraphPin'EdGraphPin_41088'
NodePosX=-288
NodePosY=3264
NodeGuid=628E6C2C46C0E2C666C89DAFDDCB329E
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11157"
Begin Object Class=EdGraphPin Name="EdGraphPin_37676"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37675"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37674"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37673"
End Object
Begin Object Name="EdGraphPin_37676"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11158.EdGraphPin_37685'
End Object
Begin Object Name="EdGraphPin_37675"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43788.EdGraphPin_41565'
End Object
Begin Object Name="EdGraphPin_37674"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43590.EdGraphPin_41052'
End Object
Begin Object Name="EdGraphPin_37673"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11172.EdGraphPin_37616'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37673'
Pins(1)=EdGraphPin'EdGraphPin_37674'
Pins(2)=EdGraphPin'EdGraphPin_37675'
Pins(3)=EdGraphPin'EdGraphPin_37676'
NodePosX=-96
NodePosY=2800
NodeGuid=591A946741134347062A3ABD8F050090
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11158"
Begin Object Class=EdGraphPin Name="EdGraphPin_37688"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37687"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37686"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37685"
End Object
Begin Object Name="EdGraphPin_37688"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11159.EdGraphPin_37697'
End Object
Begin Object Name="EdGraphPin_37687"

```

```

        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43789.EdGraphPin_41589'
    End Object
Begin Object Name="EdGraphPin_37686"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43591.EdGraphPin_41064'
End Object
Begin Object Name="EdGraphPin_37685"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11157.EdGraphPin_37676'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37685'
Pins(1)=EdGraphPin'EdGraphPin_37686'
Pins(2)=EdGraphPin'EdGraphPin_37687'
Pins(3)=EdGraphPin'EdGraphPin_37688'
NodePosX=-96
NodePosY=2944
NodeGuid=5D4C90A24FC27A4EBB189586595E6371
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11159"
Begin Object Class=EdGraphPin Name="EdGraphPin_37700"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37699"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37698"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37697"
End Object
Begin Object Name="EdGraphPin_37700"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11160.EdGraphPin_37709'
End Object
Begin Object Name="EdGraphPin_37699"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43696.EdGraphPin_41613'
End Object
Begin Object Name="EdGraphPin_37698"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43592.EdGraphPin_41076'
End Object
Begin Object Name="EdGraphPin_37697"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11158.EdGraphPin_37688'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37697'
Pins(1)=EdGraphPin'EdGraphPin_37698'
Pins(2)=EdGraphPin'EdGraphPin_37699'
Pins(3)=EdGraphPin'EdGraphPin_37700'
NodePosX=-96
NodePosY=3088
NodeGuid=69DE649A42B26AA758C4308FF1CFA120
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11160"
Begin Object Class=EdGraphPin Name="EdGraphPin_37712"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37711"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37710"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37709"
End Object
Begin Object Name="EdGraphPin_37712"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11149.EdGraphPin_37817'
End Object
Begin Object Name="EdGraphPin_37711"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44542.EdGraphPin_41637'
End Object
Begin Object Name="EdGraphPin_37710"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43593.EdGraphPin_41088'
End Object
Begin Object Name="EdGraphPin_37709"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11159.EdGraphPin_37700'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37709'
Pins(1)=EdGraphPin'EdGraphPin_37710'
Pins(2)=EdGraphPin'EdGraphPin_37711'
Pins(3)=EdGraphPin'EdGraphPin_37712'
NodePosX=-96
NodePosY=3232
NodeGuid=F65100ED4701F0FCD8B130A3CD207654
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43582"
Begin Object Class=EdGraphPin Name="EdGraphPin_41100"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41099"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41098"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41097"
End Object
Begin Object Name="EdGraphPin_41100"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11149.EdGraphPin_37818'
End Object
Begin Object Name="EdGraphPin_41099"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="20"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41098"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41097"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41097'
Pins(1)=EdGraphPin'EdGraphPin_41098'
Pins(2)=EdGraphPin'EdGraphPin_41099'
Pins(3)=EdGraphPin'EdGraphPin_41100'
NodePosX=-288
NodePosY=3408
NodeGuid=E527C33E4DEB1218740CF3B2C1116307
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43583"
Begin Object Class=EdGraphPin Name="EdGraphPin_41112"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41111"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41110"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41109"
End Object
Begin Object Name="EdGraphPin_41112"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11150.EdGraphPin_37830'
End Object
Begin Object Name="EdGraphPin_41111"
    PinName="B"
    PinType=(PinCategory="int")
    DefaultValue="9"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41110"
    PinName="A"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41109"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
    DefaultObject=Default__KismetMathLibrary
    bHidden=True
End Object

```

```

bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41109'
Pins(1)=EdGraphPin'EdGraphPin_41110'
Pins(2)=EdGraphPin'EdGraphPin_41111'
Pins(3)=EdGraphPin'EdGraphPin_41112'
NodePosX=-288
NodePosY=3552
NodeGuid=5E4853A341402C3BC76766BA0648F76E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43584"
Begin Object Class=EdGraphPin Name="EdGraphPin_41124"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41123"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41122"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41121"
End Object
Begin Object Name="EdGraphPin_41124"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11151.EdGraphPin_37842'
End Object
Begin Object Name="EdGraphPin_41123"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="22"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41122"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41121"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41121'
Pins(1)=EdGraphPin'EdGraphPin_41122'
Pins(2)=EdGraphPin'EdGraphPin_41123'
Pins(3)=EdGraphPin'EdGraphPin_41124'
NodePosX=-288
NodePosY=3696
NodeGuid=9126CEF14030CE48DCB0EC80AB50DEF68
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43585"
Begin Object Class=EdGraphPin Name="EdGraphPin_41136"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41135"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41134"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41133"
End Object
Begin Object Name="EdGraphPin_41136"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11152.EdGraphPin_37854'
End Object
Begin Object Name="EdGraphPin_41135"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="23"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41134"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41133"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41133'
Pins(1)=EdGraphPin'EdGraphPin_41134'
Pins(2)=EdGraphPin'EdGraphPin_41135'

```

```

Pins(3)=EdGraphPin'EdGraphPin_41136'
NodePosX=-288
NodePosY=3840
NodeGuid=F0C678974298DE07FE7F6BAD20404DD0
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43514"
Begin Object Class=EdGraphPin Name="EdGraphPin_41148"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41147"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41146"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41145"
End Object
Begin Object Name="EdGraphPin_41148"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11147.EdGraphPin_37866'
End Object
Begin Object Name="EdGraphPin_41147"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="24"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41146"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41145"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41145'
Pins(1)=EdGraphPin'EdGraphPin_41146'
Pins(2)=EdGraphPin'EdGraphPin_41147'
Pins(3)=EdGraphPin'EdGraphPin_41148'
NodePosX=-288
NodePosY=3984
NodeGuid=E5D300344778FB27696656BC89912F75
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43515"
Begin Object Class=EdGraphPin Name="EdGraphPin_41160"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41159"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41158"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41157"
End Object
Begin Object Name="EdGraphPin_41160"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11148.EdGraphPin_37878'
End Object
Begin Object Name="EdGraphPin_41159"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="25"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41158"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41157"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41157'
Pins(1)=EdGraphPin'EdGraphPin_41158'
Pins(2)=EdGraphPin'EdGraphPin_41159'
Pins(3)=EdGraphPin'EdGraphPin_41160'
NodePosX=-288
NodePosY=4128
NodeGuid=17440E6A48DED5EDCE03D0990268BC62
End Object

```

```

Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43513"
Begin Object Class=EdGraphPin Name="EdGraphPin_41172"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41171"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41170"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41169"
End Object
Begin Object Name="EdGraphPin_41172"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11146.EdGraphPin_37890'
End Object
Begin Object Name="EdGraphPin_41171"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="26"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41170"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41169"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41169'
Pins(1)=EdGraphPin'EdGraphPin_41170'
Pins(2)=EdGraphPin'EdGraphPin_41171'
Pins(3)=EdGraphPin'EdGraphPin_41172'
NodePosX=-288
NodePosY=4272
NodeGuid=46C0F77E4159D7B49ADE498862C9656C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43512"
Begin Object Class=EdGraphPin Name="EdGraphPin_41184"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41183"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41182"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41181"
End Object
Begin Object Name="EdGraphPin_41184"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11145.EdGraphPin_37902'
End Object
Begin Object Name="EdGraphPin_41183"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="27"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41182"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1196.EdGraphPin_40815'
End Object
Begin Object Name="EdGraphPin_41181"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41181'
Pins(1)=EdGraphPin'EdGraphPin_41182'
Pins(2)=EdGraphPin'EdGraphPin_41183'
Pins(3)=EdGraphPin'EdGraphPin_41184'
NodePosX=-288
NodePosY=4416
NodeGuid=70B9485C4B0BC92061EF65AE952C431C
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11149"
Begin Object Class=EdGraphPin Name="EdGraphPin_37820"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37819"
End Object

```



```

Begin Object Class=EdGraphPin Name="EdGraphPin_37818"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37817"
End Object
Begin Object Name="EdGraphPin_37820"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11150.EdGraphPin_37829'
End Object
Begin Object Name="EdGraphPin_37819"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44653.EdGraphPin_41661'
End Object
Begin Object Name="EdGraphPin_37818"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43582.EdGraphPin_41100'
End Object
Begin Object Name="EdGraphPin_37817"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11160.EdGraphPin_37712'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37817'
Pins(1)=EdGraphPin'EdGraphPin_37818'
Pins(2)=EdGraphPin'EdGraphPin_37819'
Pins(3)=EdGraphPin'EdGraphPin_37820'
NodePosX=-96
NodePosY=3376
NodeGuid=B6B59BAC4568DB0DEE981C976717DF1D
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11150"
  Begin Object Class=EdGraphPin Name="EdGraphPin_37832"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37831"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37830"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37829"
  End Object
  Begin Object Name="EdGraphPin_37832"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11151.EdGraphPin_37841'
  End Object
  Begin Object Name="EdGraphPin_37831"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44765.EdGraphPin_41685'
  End Object
  Begin Object Name="EdGraphPin_37830"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43583.EdGraphPin_41112'
  End Object
  Begin Object Name="EdGraphPin_37829"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11149.EdGraphPin_37820'
  End Object
  Pins(0)=EdGraphPin'EdGraphPin_37829'
  Pins(1)=EdGraphPin'EdGraphPin_37830'
  Pins(2)=EdGraphPin'EdGraphPin_37831'
  Pins(3)=EdGraphPin'EdGraphPin_37832'
  NodePosX=-96
  NodePosY=3520
  NodeGuid=DA0211684C6A45C779B8D680A06A5241
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11151"
  Begin Object Class=EdGraphPin Name="EdGraphPin_37844"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37843"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37842"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_37841"
  End Object
  Begin Object Name="EdGraphPin_37844"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11152.EdGraphPin_37853'
  End Object

```

```

Begin Object Name="EdGraphPin_37843"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44878.EdGraphPin_41709'
End Object
Begin Object Name="EdGraphPin_37842"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43584.EdGraphPin_41124'
End Object
Begin Object Name="EdGraphPin_37841"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11150.EdGraphPin_37832'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37841'
Pins(1)=EdGraphPin'EdGraphPin_37842'
Pins(2)=EdGraphPin'EdGraphPin_37843'
Pins(3)=EdGraphPin'EdGraphPin_37844'
NodePosX=-96
NodePosY=3664
NodeGuid=10058F5C435951BFB73279A242ED4DAE
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11152"
Begin Object Class=EdGraphPin Name="EdGraphPin_37856"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37855"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37854"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37853"
End Object
Begin Object Name="EdGraphPin_37856"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11147.EdGraphPin_37865'
End Object
Begin Object Name="EdGraphPin_37855"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44992.EdGraphPin_41733'
End Object
Begin Object Name="EdGraphPin_37854"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="true"
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43585.EdGraphPin_41136'
End Object
Begin Object Name="EdGraphPin_37853"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11151.EdGraphPin_37844'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37853'
Pins(1)=EdGraphPin'EdGraphPin_37854'
Pins(2)=EdGraphPin'EdGraphPin_37855'
Pins(3)=EdGraphPin'EdGraphPin_37856'
NodePosX=-96
NodePosY=3808
NodeGuid=DBEF227F487648AFBC9661835712D12B
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11147"
Begin Object Class=EdGraphPin Name="EdGraphPin_37868"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37867"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37866"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37865"
End Object
Begin Object Name="EdGraphPin_37868"
  PinName="else"
  PinFriendlyName="false"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11148.EdGraphPin_37877'
End Object
Begin Object Name="EdGraphPin_37867"
  PinName="then"
  PinFriendlyName="true"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45107.EdGraphPin_41757'
End Object
Begin Object Name="EdGraphPin_37866"
  PinName="Condition"
  PinType=(PinCategory="bool")
  DefaultValue="false"

```

```

        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43514.EdGraphPin_41148'
    End Object
Begin Object Name="EdGraphPin_37865"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11152.EdGraphPin_37856'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37865'
Pins(1)=EdGraphPin'EdGraphPin_37866'
Pins(2)=EdGraphPin'EdGraphPin_37867'
Pins(3)=EdGraphPin'EdGraphPin_37868'
NodePosX=-96
NodePosY=3952
NodeGuid=16C5E3E641DA51BA5D20A7B750EBAC09
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11148"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37880"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37879"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37878"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37877"
    End Object
    Begin Object Name="EdGraphPin_37880"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11146.EdGraphPin_37889'
    End Object
    Begin Object Name="EdGraphPin_37879"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45223.EdGraphPin_41781'
    End Object
    Begin Object Name="EdGraphPin_37878"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43515.EdGraphPin_41160'
    End Object
    Begin Object Name="EdGraphPin_37877"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11147.EdGraphPin_37868'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37877'
    Pins(1)=EdGraphPin'EdGraphPin_37878'
    Pins(2)=EdGraphPin'EdGraphPin_37879'
    Pins(3)=EdGraphPin'EdGraphPin_37880'
    NodePosX=-96
    NodePosY=4096
    NodeGuid=F033D547446119CD924436AC98103A7E
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11146"
    Begin Object Class=EdGraphPin Name="EdGraphPin_37892"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37891"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37890"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_37889"
    End Object
    Begin Object Name="EdGraphPin_37892"
        PinName="else"
        PinFriendlyName="false"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11145.EdGraphPin_37901'
    End Object
    Begin Object Name="EdGraphPin_37891"
        PinName="then"
        PinFriendlyName="true"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45340.EdGraphPin_41805'
    End Object
    Begin Object Name="EdGraphPin_37890"
        PinName="Condition"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="true"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43513.EdGraphPin_41172'
    End Object
    Begin Object Name="EdGraphPin_37889"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11148.EdGraphPin_37880'
    End Object
    Pins(0)=EdGraphPin'EdGraphPin_37889'
    Pins(1)=EdGraphPin'EdGraphPin_37890'
    Pins(2)=EdGraphPin'EdGraphPin_37891'

```

```

Pins(3)=EdGraphPin'EdGraphPin_37892'
NodePosX=-96
NodePosY=4240
NodeGuid=3370D2E54582592F41FCF0941089750F
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_11145"
Begin Object Class=EdGraphPin Name="EdGraphPin_37904"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37903"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37902"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_37901"
End Object
Begin Object Name="EdGraphPin_37904"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_37903"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_41829'
End Object
Begin Object Name="EdGraphPin_37902"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43512.EdGraphPin_41184'
End Object
Begin Object Name="EdGraphPin_37901"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11146.EdGraphPin_37892'
End Object
Pins(0)=EdGraphPin'EdGraphPin_37901'
Pins(1)=EdGraphPin'EdGraphPin_37902'
Pins(2)=EdGraphPin'EdGraphPin_37903'
Pins(3)=EdGraphPin'EdGraphPin_37904'
NodePosX=-96
NodePosY=4384
NodeGuid=3CB7D1984D108C1A026881BDD6D88425
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14319"
Begin Object Class=EdGraphPin Name="EdGraphPin_35987"
End Object
Begin Object Name="EdGraphPin_35987"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33032.EdGraphPin_41194'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35987'
NodePosX=128
NodePosY=688
NodeGuid=DFE910FA4F2B5080C5062E973DB9528E
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14320"
Begin Object Class=EdGraphPin Name="EdGraphPin_35984"
End Object
Begin Object Name="EdGraphPin_35984"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33033.EdGraphPin_41200'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35984'
NodePosX=128
NodePosY=736
NodeGuid=DE75244F404AF94C58DA5FBD1F0F1495
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33032"
Begin Object Class=EdGraphPin Name="EdGraphPin_41194"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41193"
End Object
Begin Object Name="EdGraphPin_41194"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14319.EdGraphPin_35987'
End Object
Begin Object Name="EdGraphPin_41193"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43884.EdGraphPin_41207'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")

```

```

SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41193'
Pins(1)=EdGraphPin'EdGraphPin_41194'
NodePosX=320
NodePosY=688
NodeGuid=FD19AF764A6EB688FB4365AC73FF391D
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33033"
Begin Object Class=EdGraphPin Name="EdGraphPin_41200"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41199"
End Object
Begin Object Name="EdGraphPin_41200"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14320.EdGraphPin_35984'
End Object
Begin Object Name="EdGraphPin_41199"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43884.EdGraphPin_41207'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41199'
Pins(1)=EdGraphPin'EdGraphPin_41200'
NodePosX=320
NodePosY=736
NodeGuid=CFBF304043C107886D63B89097DC7F5E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43884"
Begin Object Class=EdGraphPin Name="EdGraphPin_41208"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41207"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41206"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41205"
End Object
Begin Object Name="EdGraphPin_41208"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/27_Mat.27_Mat'
End Object
Begin Object Name="EdGraphPin_41207"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33032.EdGraphPin_41193'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33033.EdGraphPin_41199'
End Object
Begin Object Name="EdGraphPin_41206"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41205"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11154.EdGraphPin_37351'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41205'
Pins(1)=EdGraphPin'EdGraphPin_41206'
Pins(2)=EdGraphPin'EdGraphPin_41207'
Pins(3)=EdGraphPin'EdGraphPin_41208'
NodePosX=544
NodePosY=624
NodeGuid=7CF7BB6F4C534CBC494FD3A385B6FA65
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14321"
Begin Object Class=EdGraphPin Name="EdGraphPin_35978"
End Object
Begin Object Name="EdGraphPin_35978"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33034.EdGraphPin_41218'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35978'
NodePosX=128
NodePosY=832
NodeGuid=D186B45F46BA7EF83AC817940016868F
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14322"
Begin Object Class=EdGraphPin Name="EdGraphPin_35915"
End Object
Begin Object Name="EdGraphPin_35915"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33035.EdGraphPin_41224'

```

```

End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35915'
NodePosX=128
NodePosY=880
NodeGuid=C933FC634E4C047B4D6FDCB72BE0B307
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33034"
Begin Object Class=EdGraphPin Name="EdGraphPin_41218"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41217"
End Object
Begin Object Name="EdGraphPin_41218"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14321.EdGraphPin_35978'
End Object
Begin Object Name="EdGraphPin_41217"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43885.EdGraphPin_41231'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41217'
Pins(1)=EdGraphPin'EdGraphPin_41218'
NodePosX=320
NodePosY=832
NodeGuid=EF6C1DCA770E0EB67B292908E6A7157
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33035"
Begin Object Class=EdGraphPin Name="EdGraphPin_41224"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41223"
End Object
Begin Object Name="EdGraphPin_41224"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14322.EdGraphPin_35915'
End Object
Begin Object Name="EdGraphPin_41223"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43885.EdGraphPin_41231'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41223'
Pins(1)=EdGraphPin'EdGraphPin_41224'
NodePosX=320
NodePosY=880
NodeGuid=EE4AAB5E4572FB231C7532A16A04CEDD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43885"
Begin Object Class=EdGraphPin Name="EdGraphPin_41232"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41231"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41230"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41229"
End Object
Begin Object Name="EdGraphPin_41232"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/26_Mat.26_Mat'
End Object
Begin Object Name="EdGraphPin_41231"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33034.EdGraphPin_41217'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33035.EdGraphPin_41223'
End Object
Begin Object Name="EdGraphPin_41230"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41229"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11155.EdGraphPin_37363'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41229'
Pins(1)=EdGraphPin'EdGraphPin_41230'
Pins(2)=EdGraphPin'EdGraphPin_41231'
Pins(3)=EdGraphPin'EdGraphPin_41232'
NodePosX=544
NodePosY=768
NodeGuid=70C5BBCA4E99AD807A5F6AB448A05C9B
End Object

```

```

Begin Object Class=K2Node_Literal Name="K2Node_Literal_14323"
Begin Object Class=EdGraphPin Name="EdGraphPin_35975"
End Object
Begin Object Name="EdGraphPin_35975"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33036.EdGraphPin_41242'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35975'
NodePosX=128
NodePosY=976
NodeGuid=2092009A4FED236E2795F2ADB53E4744
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14324"
Begin Object Class=EdGraphPin Name="EdGraphPin_35906"
End Object
Begin Object Name="EdGraphPin_35906"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33037.EdGraphPin_41248'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35906'
NodePosX=128
NodePosY=1024
NodeGuid=8C1D4A6A482C2B622C23D8AF09AB148E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33036"
Begin Object Class=EdGraphPin Name="EdGraphPin_41242"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41241"
End Object
Begin Object Name="EdGraphPin_41242"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14323.EdGraphPin_35975'
End Object
Begin Object Name="EdGraphPin_41241"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43886.EdGraphPin_41255'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41241'
Pins(1)=EdGraphPin'EdGraphPin_41242'
NodePosX=320
NodePosY=976
NodeGuid=407B7360402F13D941573D8DE583C675
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33037"
Begin Object Class=EdGraphPin Name="EdGraphPin_41248"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41247"
End Object
Begin Object Name="EdGraphPin_41248"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14324.EdGraphPin_35906'
End Object
Begin Object Name="EdGraphPin_41247"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43886.EdGraphPin_41255'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41247'
Pins(1)=EdGraphPin'EdGraphPin_41248'
NodePosX=320
NodePosY=1024
NodeGuid=2C2943094EBDEC77B257F87D354BA60
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43886"
Begin Object Class=EdGraphPin Name="EdGraphPin_41256"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41255"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41254"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41253"
End Object
Begin Object Name="EdGraphPin_41256"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/25_Mat.25_Mat'
End Object
Begin Object Name="EdGraphPin_41255"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33036.EdGraphPin_41241'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33037.EdGraphPin_41247'
    End Object
    Begin Object Name="EdGraphPin_41254"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41253"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11156.EdGraphPin_37375'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41253'
    Pins(1)=EdGraphPin'EdGraphPin_41254'
    Pins(2)=EdGraphPin'EdGraphPin_41255'
    Pins(3)=EdGraphPin'EdGraphPin_41256'
    NodePosX=544
    NodePosY=912
    NodeGuid=46E3B2BA4A9E5CC5A9D4C38404314B43
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14364"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35909"
    End Object
    Begin Object Name="EdGraphPin_35909"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33103.EdGraphPin_41266'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35909'
    NodePosX=128
    NodePosY=1120
    NodeGuid=3E218B8C4FEC7B8A5D3329817195A0A3
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14365"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35892"
    End Object
    Begin Object Name="EdGraphPin_35892"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33104.EdGraphPin_41272'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35892'
    NodePosX=128
    NodePosY=1168
    NodeGuid=713A5F3445AAADAF3DAD1AB2119F60B4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33103"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41266"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41265"
    End Object
    Begin Object Name="EdGraphPin_41266"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14364.EdGraphPin_35909'
    End Object
    Begin Object Name="EdGraphPin_41265"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43984.EdGraphPin_41279'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41265'
    Pins(1)=EdGraphPin'EdGraphPin_41266'
    NodePosX=320
    NodePosY=1120
    NodeGuid=3E7EA11F4FED112715862C90AF20297E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33104"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41272"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41271"
    End Object
    Begin Object Name="EdGraphPin_41272"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14365.EdGraphPin_35892'
    End Object
    Begin Object Name="EdGraphPin_41271"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')

```



```

        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43984.EdGraphPin_41279'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41271'
    Pins(1)=EdGraphPin'EdGraphPin_41272'
    NodePosX=320
    NodePosY=1168
    NodeGuid=8273D61C463073BFCE907B9C90836D13
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43984"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41280"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41279"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41278"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41277"
            End Object
        Begin Object Name="EdGraphPin_41280"
            PinName="NewDecalMaterial"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
            DefaultObject=Material'/Game/Textures/Progress_Bar/24_Mat.24_Mat'
        End Object
        Begin Object Name="EdGraphPin_41279"
            PinName="self"
            PinFriendlyName="Target"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33103.EdGraphPin_41265'
            LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33104.EdGraphPin_41271'
        End Object
        Begin Object Name="EdGraphPin_41278"
            PinName="then"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
        End Object
        Begin Object Name="EdGraphPin_41277"
            PinName="execute"
            PinType=(PinCategory="exec")
            LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11161.EdGraphPin_37387'
        End Object
        FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
        Pins(0)=EdGraphPin'EdGraphPin_41277'
        Pins(1)=EdGraphPin'EdGraphPin_41278'
        Pins(2)=EdGraphPin'EdGraphPin_41279'
        Pins(3)=EdGraphPin'EdGraphPin_41280'
        NodePosX=544
        NodePosY=1056
        NodeGuid=D62D51E14A0F0AF22A45E2A1286E1370
    End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14366"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35981"
        End Object
        Begin Object Name="EdGraphPin_35981"
            PinName="DecalActor1"
            PinFriendlyName="DecalActor1"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33105.EdGraphPin_41290'
        End Object
        ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
        Pins(0)=EdGraphPin'EdGraphPin_35981'
        NodePosX=128
        NodePosY=1264
        NodeGuid=A4EFD0BD499CC426134F5082CF068732
    End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14367"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36062"
        End Object
        Begin Object Name="EdGraphPin_36062"
            PinName="DecalActor2"
            PinFriendlyName="DecalActor2"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33106.EdGraphPin_41296'
        End Object
        ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
        Pins(0)=EdGraphPin'EdGraphPin_36062'
        NodePosX=128
        NodePosY=1312
        NodeGuid=6BD0E3FC45AA0110F291019FBB6669BB
    End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33105"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41290"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41289"
            End Object
        Begin Object Name="EdGraphPin_41290"
            PinName="self"
            PinFriendlyName="Target"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_Literal_14366.EdGraphPin_35981'
        End Object
        Begin Object Name="EdGraphPin_41289"
            PinName="Decal"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')

```

```

        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43985.EdGraphPin_41303'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41289'
    Pins(1)=EdGraphPin'EdGraphPin_41290'
    NodePosX=320
    NodePosY=1264
    NodeGuid=CD8F315D464C0D677F6344885ADB8AE4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33106"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41296"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41295"
            End Object
        End Object
        Begin Object Name="EdGraphPin_41296"
            PinName="self"
            PinFriendlyName="Target"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_Literal_14367.EdGraphPin_36062'
        End Object
        Begin Object Name="EdGraphPin_41295"
            PinName="Decal"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
            LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43985.EdGraphPin_41303'
        End Object
        VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
        SelfContextInfo=NotSelfContext
        Pins(0)=EdGraphPin'EdGraphPin_41295'
        Pins(1)=EdGraphPin'EdGraphPin_41296'
        NodePosX=320
        NodePosY=1312
        NodeGuid=38893C9B4BD1DF28B0895080524F28FF
    End Object
    Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43985"
        Begin Object Class=EdGraphPin Name="EdGraphPin_41304"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41303"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41302"
            End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_41301"
            End Object
        Begin Object Name="EdGraphPin_41304"
            PinName="NewDecalMaterial"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
            DefaultObject=Material'/Game/Textures/Progress_Bar/23_Mat.23_Mat'
        End Object
        Begin Object Name="EdGraphPin_41303"
            PinName="self"
            PinFriendlyName="Target"
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33105.EdGraphPin_41289'
            LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33106.EdGraphPin_41295'
        End Object
        Begin Object Name="EdGraphPin_41302"
            PinName="then"
            Direction=EGPD_Output
            PinType=(PinCategory="exec")
        End Object
        Begin Object Name="EdGraphPin_41301"
            PinName="execute"
            PinType=(PinCategory="exec")
            LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11162.EdGraphPin_37399'
        End Object
        FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
        Pins(0)=EdGraphPin'EdGraphPin_41301'
        Pins(1)=EdGraphPin'EdGraphPin_41302'
        Pins(2)=EdGraphPin'EdGraphPin_41303'
        Pins(3)=EdGraphPin'EdGraphPin_41304'
        NodePosX=544
        NodePosY=1200
        NodeGuid=D2AFB9BA4772D60A2123789CDA071D6C
    End Object
    Begin Object Class=K2Node_Literal Name="K2Node_Literal_14368"
        Begin Object Class=EdGraphPin Name="EdGraphPin_35889"
            End Object
        Begin Object Name="EdGraphPin_35889"
            PinName="DecalActor1"
            PinFriendlyName="DecalActor1"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33107.EdGraphPin_41314'
        End Object
        ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
        Pins(0)=EdGraphPin'EdGraphPin_35889'
        NodePosX=128
        NodePosY=1408
        NodeGuid=8F27506D4BA3B050AFD1B99F811F3519
    End Object
    Begin Object Class=K2Node_Literal Name="K2Node_Literal_14369"
        Begin Object Class=EdGraphPin Name="EdGraphPin_35886"
            End Object
        Begin Object Name="EdGraphPin_35886"
            PinName="DecalActor2"
            PinFriendlyName="DecalActor2"

```

```

        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33108.EdGraphPin_41320'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35886'
    NodePosX=128
    NodePosY=1456
    NodeGuid=9E854AF74CF02D50A4F98C8122883C03
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33107"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41314"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41313"
        End Object
    Begin Object Name="EdGraphPin_41314"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14368.EdGraphPin_35889'
    End Object
    Begin Object Name="EdGraphPin_41313"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43986.EdGraphPin_41327'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41313'
    Pins(1)=EdGraphPin'EdGraphPin_41314'
    NodePosX=320
    NodePosY=1408
    NodeGuid=D8743C734FDC2CDA9E81F79A45AF7691
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33108"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41320"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41319"
        End Object
    Begin Object Name="EdGraphPin_41320"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14369.EdGraphPin_35886'
    End Object
    Begin Object Name="EdGraphPin_41319"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43986.EdGraphPin_41327'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41319'
    Pins(1)=EdGraphPin'EdGraphPin_41320'
    NodePosX=320
    NodePosY=1456
    NodeGuid=ZB1B06914BB142289CCA09A529505676
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43986"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41328"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41327"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41326"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41325"
        End Object
    Begin Object Name="EdGraphPin_41328"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/22_Mat.22_Mat'
    End Object
    Begin Object Name="EdGraphPin_41327"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33107.EdGraphPin_41313'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33108.EdGraphPin_41319'
    End Object
    Begin Object Name="EdGraphPin_41326"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41325"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11163.EdGraphPin_37411'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41325'
    Pins(1)=EdGraphPin'EdGraphPin_41326'
    Pins(2)=EdGraphPin'EdGraphPin_41327'
    Pins(3)=EdGraphPin'EdGraphPin_41328'
    NodePosX=544

```

```

NodePosX=1344
NodeGuid=585B8E47405D24B190B1F1854C260EB9
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14370"
Begin Object Class=EdGraphPin Name="EdGraphPin_35880"
End Object
Begin Object Name="EdGraphPin_35880"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33109.EdGraphPin_41338'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35880'
NodePosX=128
NodePosY=1552
NodeGuid=A52E3132499287680DF4F8B5F65B7C55
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14371"
Begin Object Class=EdGraphPin Name="EdGraphPin_35877"
End Object
Begin Object Name="EdGraphPin_35877"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33110.EdGraphPin_41344'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35877'
NodePosX=128
NodePosY=1600
NodeGuid=80F47FEF4CC3078ED327D4A309615279
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33109"
Begin Object Class=EdGraphPin Name="EdGraphPin_41338"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41337"
End Object
Begin Object Name="EdGraphPin_41338"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14370.EdGraphPin_35880'
End Object
Begin Object Name="EdGraphPin_41337"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43987.EdGraphPin_41351'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41337'
Pins(1)=EdGraphPin'EdGraphPin_41338'
NodePosX=320
NodePosY=1552
NodeGuid=F90CC46D419B82C23A2A9685279A1094
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33110"
Begin Object Class=EdGraphPin Name="EdGraphPin_41344"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41343"
End Object
Begin Object Name="EdGraphPin_41344"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14371.EdGraphPin_35877'
End Object
Begin Object Name="EdGraphPin_41343"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43987.EdGraphPin_41351'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41343'
Pins(1)=EdGraphPin'EdGraphPin_41344'
NodePosX=320
NodePosY=1600
NodeGuid=22018F90460443CEE52619D90130063
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43987"
Begin Object Class=EdGraphPin Name="EdGraphPin_41352"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41351"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41350"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41349"
End Object
Begin Object Name="EdGraphPin_41352"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')

```

```

    DefaultObject=Material'/Game/Textures/Progress_Bar/21_Mat.21_Mat'
End Object
Begin Object Name="EdGraphPin_41351"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33109.EdGraphPin_41337'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33110.EdGraphPin_41343'
End Object
Begin Object Name="EdGraphPin_41350"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41349"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11164.EdGraphPin_37423'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41349'
Pins(1)=EdGraphPin'EdGraphPin_41350'
Pins(2)=EdGraphPin'EdGraphPin_41351'
Pins(3)=EdGraphPin'EdGraphPin_41352'
NodePosX=544
NodePosY=1488
NodeGuid=7453C3E5474CC585BDB926B88B12A56C
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14419"
Begin Object Class=EdGraphPin Name="EdGraphPin_35883"
End Object
Begin Object Name="EdGraphPin_35883"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33184.EdGraphPin_41362'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35883'
NodePosX=128
NodePosY=1696
NodeGuid=C944D8A94D486D5CE9D690ADA48E3B43
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14420"
Begin Object Class=EdGraphPin Name="EdGraphPin_35868"
End Object
Begin Object Name="EdGraphPin_35868"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33185.EdGraphPin_41368'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35868'
NodePosX=128
NodePosY=1744
NodeGuid=98A25C9242C738D0553C6881854128BD
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33184"
Begin Object Class=EdGraphPin Name="EdGraphPin_41362"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41361"
End Object
Begin Object Name="EdGraphPin_41362"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14419.EdGraphPin_35883'
End Object
Begin Object Name="EdGraphPin_41361"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44089.EdGraphPin_41375'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41361'
Pins(1)=EdGraphPin'EdGraphPin_41362'
NodePosX=320
NodePosY=1696
NodeGuid=1ACB6724429DA874856361AA4859234A
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33185"
Begin Object Class=EdGraphPin Name="EdGraphPin_41368"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41367"
End Object
Begin Object Name="EdGraphPin_41368"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14420.EdGraphPin_35868'
End Object
Begin Object Name="EdGraphPin_41367"

```

```

        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44089.EdGraphPin_41375'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41367'
    Pins(1)=EdGraphPin'EdGraphPin_41368'
    NodePosX=320
    NodePosY=1744
    NodeGuid=CAC992FD48AE17AC851EACAC77C34171
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44089"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41376"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41375"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41374"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41373"
        End Object
    Begin Object Name="EdGraphPin_41376"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/20_Mat.20_Mat'
    End Object
    Begin Object Name="EdGraphPin_41375"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33184.EdGraphPin_41361'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33185.EdGraphPin_41367'
    End Object
    Begin Object Name="EdGraphPin_41374"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41373"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11165.EdGraphPin_37531'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41373'
    Pins(1)=EdGraphPin'EdGraphPin_41374'
    Pins(2)=EdGraphPin'EdGraphPin_41375'
    Pins(3)=EdGraphPin'EdGraphPin_41376'
    NodePosX=544
    NodePosY=1632
    NodeGuid=EECF6D4C462874797648CE811FAEA9F3
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14421"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36050"
        End Object
    Begin Object Name="EdGraphPin_36050"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33186.EdGraphPin_41386'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_36050'
    NodePosX=128
    NodePosY=1840
    NodeGuid=4526E410464201FE7676A381551D8A69
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14422"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36044"
        End Object
    Begin Object Name="EdGraphPin_36044"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33187.EdGraphPin_41392'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_36044'
    NodePosX=128
    NodePosY=1888
    NodeGuid=4948B9804E365E417C3E3D8BA07B48CB
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33186"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41386"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41385"
        End Object
    Begin Object Name="EdGraphPin_41386"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14421.EdGraphPin_36050'
    End Object
    Begin Object Name="EdGraphPin_41385"

```

```

        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44090.EdGraphPin_41399'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41385'
    Pins(1)=EdGraphPin'EdGraphPin_41386'
    NodePosX=320
    NodePosY=1840
    NodeGuid=FC01058F45C43D6A31120CAEC3B75A38
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33187"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41392"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41391"
        End Object
    Begin Object Name="EdGraphPin_41392"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14422.EdGraphPin_36044'
    End Object
    Begin Object Name="EdGraphPin_41391"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44090.EdGraphPin_41399'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41391'
    Pins(1)=EdGraphPin'EdGraphPin_41392'
    NodePosX=320
    NodePosY=1888
    NodeGuid=FB7A926D4CD0DF80D8C79F8276428040
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44090"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41400"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41399"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41398"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41397"
        End Object
    Begin Object Name="EdGraphPin_41400"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/19_Mat.19_Mat'
    End Object
    Begin Object Name="EdGraphPin_41399"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33186.EdGraphPin_41385'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33187.EdGraphPin_41391'
    End Object
    Begin Object Name="EdGraphPin_41398"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41397"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11166.EdGraphPin_37543'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41397'
    Pins(1)=EdGraphPin'EdGraphPin_41398'
    Pins(2)=EdGraphPin'EdGraphPin_41399'
    Pins(3)=EdGraphPin'EdGraphPin_41400'
    NodePosX=544
    NodePosY=1776
    NodeGuid=505907DF4F84D62964BD8C8F318D5E2F
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14423"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35865"
        End Object
    Begin Object Name="EdGraphPin_35865"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33188.EdGraphPin_41410'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35865'
    NodePosX=128
    NodePosY=1984
    NodeGuid=502C07D1467951F8F5C4DF86E528A7BA
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14424"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35862"
        End Object

```

```

Begin Object Name="EdGraphPin_35862"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33189.EdGraphPin_41416'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01.PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35862'
NodePosX=128
NodePosY=2032
NodeGuid=19F2A94E4E0B924CBFB9E7898BA5E658
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33188"
Begin Object Class=EdGraphPin Name="EdGraphPin_41410"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41409"
End Object
Begin Object Name="EdGraphPin_41410"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14423.EdGraphPin_35865'
End Object
Begin Object Name="EdGraphPin_41409"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44091.EdGraphPin_41423'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41409'
Pins(1)=EdGraphPin'EdGraphPin_41410'
NodePosX=320
NodePosY=1984
NodeGuid=2F31398348614BD90F6DA29C9CE009C3
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33189"
Begin Object Class=EdGraphPin Name="EdGraphPin_41416"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41415"
End Object
Begin Object Name="EdGraphPin_41416"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14424.EdGraphPin_35862'
End Object
Begin Object Name="EdGraphPin_41415"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44091.EdGraphPin_41423'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41415'
Pins(1)=EdGraphPin'EdGraphPin_41416'
NodePosX=320
NodePosY=2032
NodeGuid=B7218DBB4982C2C6AF5D39A7F65DC773
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44091"
Begin Object Class=EdGraphPin Name="EdGraphPin_41424"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41423"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41422"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41421"
End Object
Begin Object Name="EdGraphPin_41424"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/18_Mat.18_Mat'
End Object
Begin Object Name="EdGraphPin_41423"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33188.EdGraphPin_41409'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33189.EdGraphPin_41415'
End Object
Begin Object Name="EdGraphPin_41422"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41421"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11167.EdGraphPin_37555'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41421'
Pins(1)=EdGraphPin'EdGraphPin_41422'

```



```

Pins(2)=EdGraphPin'EdGraphPin_41423'
Pins(3)=EdGraphPin'EdGraphPin_41424'
NodePosX=544
NodePosY=1920
NodeGuid=00327A234ECF88075A3123AFD4B14C15
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14425"
Begin Object Class=EdGraphPin Name="EdGraphPin_35856"
End Object
Begin Object Name="EdGraphPin_35856"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33190.EdGraphPin_41434'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35856'
NodePosX=128
NodePosY=2128
NodeGuid=E9B778384A081813A70DB80F457A5B2
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14426"
Begin Object Class=EdGraphPin Name="EdGraphPin_35853"
End Object
Begin Object Name="EdGraphPin_35853"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33191.EdGraphPin_41440'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35853'
NodePosX=128
NodePosY=2176
NodeGuid=3A7C9742404D37DCDB60AE92CC8DC6ED
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33190"
Begin Object Class=EdGraphPin Name="EdGraphPin_41434"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41433"
End Object
Begin Object Name="EdGraphPin_41434"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14425.EdGraphPin_35856'
End Object
Begin Object Name="EdGraphPin_41433"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44092.EdGraphPin_41447'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41433'
Pins(1)=EdGraphPin'EdGraphPin_41434'
NodePosX=320
NodePosY=2128
NodeGuid=0327EAD4409CA410B3D363A2B0A2FD02
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33191"
Begin Object Class=EdGraphPin Name="EdGraphPin_41440"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41439"
End Object
Begin Object Name="EdGraphPin_41440"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14426.EdGraphPin_35853'
End Object
Begin Object Name="EdGraphPin_41439"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44092.EdGraphPin_41447'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41439'
Pins(1)=EdGraphPin'EdGraphPin_41440'
NodePosX=320
NodePosY=2176
NodeGuid=CE548ED342F3ABA AFC24F08B893C8821
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44092"
Begin Object Class=EdGraphPin Name="EdGraphPin_41448"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41447"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41446"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41445"
End Object

```

```

Begin Object Name="EdGraphPin_41448"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/17_Mat.17_Mat'
End Object
Begin Object Name="EdGraphPin_41447"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33190.EdGraphPin_41433'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33191.EdGraphPin_41439'
End Object
Begin Object Name="EdGraphPin_41446"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41445"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11168.EdGraphPin_37567'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41445'
Pins(1)=EdGraphPin'EdGraphPin_41446'
Pins(2)=EdGraphPin'EdGraphPin_41447'
Pins(3)=EdGraphPin'EdGraphPin_41448'
NodePosX=544
NodePosY=2064
NodeGuid=BBF37DA04A02BDB629E289BEAB2D3A86
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14482"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35960"
        End Object
        Begin Object Name="EdGraphPin_35960"
            PinName="DecalActor1"
            PinFriendlyName="DecalActor1"
            Direction=EGPD_Output
            PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
            LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33286.EdGraphPin_41458'
        End Object
        ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
        Pins(0)=EdGraphPin'EdGraphPin_35960'
        NodePosX=128
        NodePosY=2272
        NodeGuid=6D534F9342AF3710FE817680B458D2A7
    End Object
    Begin Object Class=K2Node_Literal Name="K2Node_Literal_14483"
        Begin Object Class=EdGraphPin Name="EdGraphPin_35957"
            End Object
            Begin Object Name="EdGraphPin_35957"
                PinName="DecalActor2"
                PinFriendlyName="DecalActor2"
                Direction=EGPD_Output
                PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
                LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33287.EdGraphPin_41464'
            End Object
            ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
            Pins(0)=EdGraphPin'EdGraphPin_35957'
            NodePosX=128
            NodePosY=2320
            NodeGuid=AADE316F44459F0ED78662A57FDB7009
        End Object
        Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33286"
            Begin Object Class=EdGraphPin Name="EdGraphPin_41458"
                End Object
                Begin Object Class=EdGraphPin Name="EdGraphPin_41457"
                    End Object
                    Begin Object Name="EdGraphPin_41458"
                        PinName="self"
                        PinFriendlyName="Target"
                        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
                        LinkedTo(0)=EdGraphPin'K2Node_Literal_14482.EdGraphPin_35960'
                    End Object
                    Begin Object Name="EdGraphPin_41457"
                        PinName="Decal"
                        Direction=EGPD_Output
                        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
                        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44198.EdGraphPin_41471'
                    End Object
                    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
                    SelfContextInfo=NotSelfContext
                    Pins(0)=EdGraphPin'EdGraphPin_41457'
                    Pins(1)=EdGraphPin'EdGraphPin_41458'
                    NodePosX=320
                    NodePosY=2272
                    NodeGuid=228726474A2D9313C3A83DB67E112A4B
                End Object
                Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33287"
                    Begin Object Class=EdGraphPin Name="EdGraphPin_41464"
                        End Object
                        Begin Object Class=EdGraphPin Name="EdGraphPin_41463"
                            End Object
                            Begin Object Name="EdGraphPin_41464"
                                PinName="self"
                                PinFriendlyName="Target"
                                PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')

```

```

        LinkedTo(0)=EdGraphPin'K2Node_Literal_14483.EdGraphPin_35957'
    End Object
    Begin Object Name="EdGraphPin_41463"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44198.EdGraphPin_41471'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41463'
    Pins(1)=EdGraphPin'EdGraphPin_41464'
    NodePosX=320
    NodePosY=2320
    NodeGuid=311C71AA48371F2F59E2E29EB3DC8A29
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44198"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41472"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41471"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41470"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41469"
    End Object
    Begin Object Name="EdGraphPin_41472"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/16_Mat.16_Mat'
    End Object
    Begin Object Name="EdGraphPin_41471"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33286.EdGraphPin_41457'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33287.EdGraphPin_41463'
    End Object
    Begin Object Name="EdGraphPin_41470"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41469"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11169.EdGraphPin_37579'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41469'
    Pins(1)=EdGraphPin'EdGraphPin_41470'
    Pins(2)=EdGraphPin'EdGraphPin_41471'
    Pins(3)=EdGraphPin'EdGraphPin_41472'
    NodePosX=544
    NodePosY=2208
    NodeGuid=6179B505437529E8A02405B625EA8DDC
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14484"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35850"
    End Object
    Begin Object Name="EdGraphPin_35850"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33288.EdGraphPin_41482'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35850'
    NodePosX=128
    NodePosY=2416
    NodeGuid=619D580940AED22CE470B5B71C77626C
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14485"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35847"
    End Object
    Begin Object Name="EdGraphPin_35847"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33289.EdGraphPin_41488'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35847'
    NodePosX=128
    NodePosY=2464
    NodeGuid=7DDDE303410620BB84EB1D970BF74E0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33288"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41482"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41481"
    End Object
    Begin Object Name="EdGraphPin_41482"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')

```

```

        LinkedTo(0)=EdGraphPin'K2Node_Literal_14484.EdGraphPin_35850'
    End Object
    Begin Object Name="EdGraphPin_41481"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44199.EdGraphPin_41495'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41481'
    Pins(1)=EdGraphPin'EdGraphPin_41482'
    NodePosX=320
    NodePosY=2416
    NodeGuid=7C884D004B22694387A4B5941B7EE10B
    End Object
    Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33289"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41488"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41487"
    End Object
    Begin Object Name="EdGraphPin_41488"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14485.EdGraphPin_35847'
    End Object
    Begin Object Name="EdGraphPin_41487"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44199.EdGraphPin_41495'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41487'
    Pins(1)=EdGraphPin'EdGraphPin_41488'
    NodePosX=320
    NodePosY=2464
    NodeGuid=9627E45D46E6E0F03F9A9C9C01C9314B
    End Object
    Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44199"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41496"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41495"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41494"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41493"
    End Object
    Begin Object Name="EdGraphPin_41496"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/15_Mat.15_Mat'
    End Object
    Begin Object Name="EdGraphPin_41495"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33288.EdGraphPin_41481'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33289.EdGraphPin_41487'
    End Object
    Begin Object Name="EdGraphPin_41494"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41493"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11170.EdGraphPin_37591'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41493'
    Pins(1)=EdGraphPin'EdGraphPin_41494'
    Pins(2)=EdGraphPin'EdGraphPin_41495'
    Pins(3)=EdGraphPin'EdGraphPin_41496'
    NodePosX=544
    NodePosY=2352
    NodeGuid=35F6CE0C4199C256CD4D919DEBE226AC
    End Object
    Begin Object Class=K2Node_Literal Name="K2Node_Literal_14486"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35954"
    End Object
    Begin Object Name="EdGraphPin_35954"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33290.EdGraphPin_41506'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35954'
    NodePosX=128
    NodePosY=2560
    NodeGuid=41F42F114A6A06A68951DEA6A83A77E9
    End Object

```

```

Begin Object Class=K2Node_Literal Name="K2Node_Literal_14487"
Begin Object Class=EdGraphPin Name="EdGraphPin_35951"
End Object
Begin Object Name="EdGraphPin_35951"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33291.EdGraphPin_41512'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35951'
NodePosX=128
NodePosY=2608
NodeGuid=1F7D9BBA46D6CBA07607DA96DF081FA0
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33290"
Begin Object Class=EdGraphPin Name="EdGraphPin_41506"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41505"
End Object
Begin Object Name="EdGraphPin_41506"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14486.EdGraphPin_35954'
End Object
Begin Object Name="EdGraphPin_41505"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44200.EdGraphPin_41519'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41505'
Pins(1)=EdGraphPin'EdGraphPin_41506'
NodePosX=320
NodePosY=2560
NodeGuid=1193D313442110C1104109839713CC45
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33291"
Begin Object Class=EdGraphPin Name="EdGraphPin_41512"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41511"
End Object
Begin Object Name="EdGraphPin_41512"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14487.EdGraphPin_35951'
End Object
Begin Object Name="EdGraphPin_41511"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44200.EdGraphPin_41519'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41511'
Pins(1)=EdGraphPin'EdGraphPin_41512'
NodePosX=320
NodePosY=2608
NodeGuid=2F3F3202462FE56054F07B970D369A4E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44200"
Begin Object Class=EdGraphPin Name="EdGraphPin_41520"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41519"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41518"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41517"
End Object
Begin Object Name="EdGraphPin_41520"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/14_Mat.14_Mat'
End Object
Begin Object Name="EdGraphPin_41519"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33290.EdGraphPin_41505'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33291.EdGraphPin_41511'
End Object
Begin Object Name="EdGraphPin_41518"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41517"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11171.EdGraphPin_37603'
End Object

```

```

FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41517'
Pins(1)=EdGraphPin'EdGraphPin_41518'
Pins(2)=EdGraphPin'EdGraphPin_41519'
Pins(3)=EdGraphPin'EdGraphPin_41520'
NodePosX=544
NodePosY=2496
NodeGuid=8421ED094B08A5B972E3F990FA477625
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14488"
Begin Object Class=EdGraphPin Name="EdGraphPin_35794"
End Object
Begin Object Name="EdGraphPin_35794"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33292.EdGraphPin_41530'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35794'
NodePosX=128
NodePosY=2704
NodeGuid=9CECA2474BC2EB7BDEFD4D8974817BBA
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14489"
Begin Object Class=EdGraphPin Name="EdGraphPin_35791"
End Object
Begin Object Name="EdGraphPin_35791"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33293.EdGraphPin_41536'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35791'
NodePosX=128
NodePosY=2752
NodeGuid=0B2E7AB14C8C30A2F0727894191307AA
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33292"
Begin Object Class=EdGraphPin Name="EdGraphPin_41530"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41529"
End Object
Begin Object Name="EdGraphPin_41530"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14488.EdGraphPin_35794'
End Object
Begin Object Name="EdGraphPin_41529"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44201.EdGraphPin_41543'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41529'
Pins(1)=EdGraphPin'EdGraphPin_41530'
NodePosX=320
NodePosY=2704
NodeGuid=D6BBB0604B62ECD0637DB68634C897F7
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33293"
Begin Object Class=EdGraphPin Name="EdGraphPin_41536"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41535"
End Object
Begin Object Name="EdGraphPin_41536"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14489.EdGraphPin_35791'
End Object
Begin Object Name="EdGraphPin_41535"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44201.EdGraphPin_41543'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41535'
Pins(1)=EdGraphPin'EdGraphPin_41536'
NodePosX=320
NodePosY=2752
NodeGuid=6C0CCAAB4420DF6BA4AD7C8D34310520
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44201"
Begin Object Class=EdGraphPin Name="EdGraphPin_41544"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41543"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41542"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41541"
End Object
Begin Object Name="EdGraphPin_41544"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/13_Mat.13_Mat'
End Object
Begin Object Name="EdGraphPin_41543"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33292.EdGraphPin_41529'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33293.EdGraphPin_41535'
End Object
Begin Object Name="EdGraphPin_41542"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41541"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11172.EdGraphPin_37615'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41541'
Pins(1)=EdGraphPin'EdGraphPin_41542'
Pins(2)=EdGraphPin'EdGraphPin_41543'
Pins(3)=EdGraphPin'EdGraphPin_41544'
NodePosX=544
NodePosY=2640
NodeGuid=9BE132A646DB8BCF99E6E8899E26635A
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14282"
Begin Object Class=EdGraphPin Name="EdGraphPin_35819"
End Object
Begin Object Name="EdGraphPin_35819"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32969.EdGraphPin_41554'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35819'
NodePosX=128
NodePosY=2848
NodeGuid=93DF31CD4C96F28AC4547AA167051CE8
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14283"
Begin Object Class=EdGraphPin Name="EdGraphPin_35844"
End Object
Begin Object Name="EdGraphPin_35844"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32970.EdGraphPin_41560'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35844'
NodePosX=128
NodePosY=2896
NodeGuid=323CEB434837646BBACFC7B3FB107B6D
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32969"
Begin Object Class=EdGraphPin Name="EdGraphPin_41554"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41553"
End Object
Begin Object Name="EdGraphPin_41554"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14282.EdGraphPin_35819'
End Object
Begin Object Name="EdGraphPin_41553"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43788.EdGraphPin_41567'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41553'
Pins(1)=EdGraphPin'EdGraphPin_41554'
NodePosX=320
NodePosY=2848
NodeGuid=4E1F68814C110854A3355E936EB4E49
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32970"
Begin Object Class=EdGraphPin Name="EdGraphPin_41560"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41559"
End Object
Begin Object Name="EdGraphPin_41560"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14283.EdGraphPin_35844'
    End Object
Begin Object Name="EdGraphPin_41559"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43788.EdGraphPin_41567'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41559'
Pins(1)=EdGraphPin'EdGraphPin_41560'
NodePosX=320
NodePosY=2896
NodeGuid=5BA221CB4B583BAAFD798795B0172F77
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43788"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41568"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41567"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41566"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41565"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41568"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/12_Mat.12_Mat'
    End Object
    Begin Object Name="EdGraphPin_41567"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32969.EdGraphPin_41553'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_32970.EdGraphPin_41559'
    End Object
    Begin Object Name="EdGraphPin_41566"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
    Begin Object Name="EdGraphPin_41565"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11157.EdGraphPin_37675'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41565'
    Pins(1)=EdGraphPin'EdGraphPin_41566'
    Pins(2)=EdGraphPin'EdGraphPin_41567'
    Pins(3)=EdGraphPin'EdGraphPin_41568'
    NodePosX=544
    NodePosY=2784
    NodeGuid=A05F8DF24CF2E03ADDA7EB802292B143
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14284"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35788"
        End Object
    Begin Object Name="EdGraphPin_35788"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32971.EdGraphPin_41578'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35788'
    NodePosX=128
    NodePosY=2992
    NodeGuid=836E6BE546D44D1FBCA55085012A6516
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14285"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35785"
        End Object
    Begin Object Name="EdGraphPin_35785"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32972.EdGraphPin_41584'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35785'
    NodePosX=128
    NodePosY=3040
    NodeGuid=F21108C4BAAFBE654A96AFE9E707DB
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32971"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41578"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41577"
        End Object
    Begin Object Name="EdGraphPin_41578"

```



```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14284.EdGraphPin_35788'
    End Object
Begin Object Name="EdGraphPin_41577"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43789.EdGraphPin_41591'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41577'
Pins(1)=EdGraphPin'EdGraphPin_41578'
NodePosX=320
NodePosY=2992
NodeGuid=7D6721EE40FE552B72E967A46DEDB832
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32972"
Begin Object Class=EdGraphPin Name="EdGraphPin_41584"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41583"
End Object
Begin Object Name="EdGraphPin_41584"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14285.EdGraphPin_35785'
End Object
Begin Object Name="EdGraphPin_41583"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43789.EdGraphPin_41591'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41583'
Pins(1)=EdGraphPin'EdGraphPin_41584'
NodePosX=320
NodePosY=3040
NodeGuid=1B58958743D43A7F884698AF2DC6B524
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43789"
Begin Object Class=EdGraphPin Name="EdGraphPin_41592"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41591"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41590"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41589"
End Object
Begin Object Name="EdGraphPin_41592"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/11_Mat.11_Mat'
End Object
Begin Object Name="EdGraphPin_41591"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32971.EdGraphPin_41577'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_32972.EdGraphPin_41583'
End Object
Begin Object Name="EdGraphPin_41590"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41589"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11158.EdGraphPin_37687'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41589'
Pins(1)=EdGraphPin'EdGraphPin_41590'
Pins(2)=EdGraphPin'EdGraphPin_41591'
Pins(3)=EdGraphPin'EdGraphPin_41592'
NodePosX=544
NodePosY=2928
NodeGuid=D70677414AE2086AA5D2C09BA67E7194
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14253"
Begin Object Class=EdGraphPin Name="EdGraphPin_35779"
End Object
Begin Object Name="EdGraphPin_35779"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32914.EdGraphPin_41602'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35779'
NodePosX=128

```

```

NodePosX=3136
NodeGuid=8827B70C49F8170AEFB9B2AFFEB11565
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14254"
Begin Object Class=EdGraphPin Name="EdGraphPin_35776"
End Object
Begin Object Name="EdGraphPin_35776"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32915.EdGraphPin_41608'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35776'
NodePosX=128
NodePosY=3184
NodeGuid=4328FF274C284461CDEE3E93F0CC0881
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32914"
Begin Object Class=EdGraphPin Name="EdGraphPin_41602"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41601"
End Object
Begin Object Name="EdGraphPin_41602"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14253.EdGraphPin_35779'
End Object
Begin Object Name="EdGraphPin_41601"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43696.EdGraphPin_41615'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41601'
Pins(1)=EdGraphPin'EdGraphPin_41602'
NodePosX=320
NodePosY=3136
NodeGuid=A1BD448145F2E0F7B38CD681FA08F176
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_32915"
Begin Object Class=EdGraphPin Name="EdGraphPin_41608"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41607"
End Object
Begin Object Name="EdGraphPin_41608"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14254.EdGraphPin_35776'
End Object
Begin Object Name="EdGraphPin_41607"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_43696.EdGraphPin_41615'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41607'
Pins(1)=EdGraphPin'EdGraphPin_41608'
NodePosX=320
NodePosY=3184
NodeGuid=C3B86A0E4D08BDC4BF4B58A779358895
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_43696"
Begin Object Class=EdGraphPin Name="EdGraphPin_41616"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41615"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41614"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41613"
End Object
Begin Object Name="EdGraphPin_41616"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/10_Mat.10_Mat'
End Object
Begin Object Name="EdGraphPin_41615"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_32914.EdGraphPin_41601'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_32915.EdGraphPin_41607'
End Object
Begin Object Name="EdGraphPin_41614"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41613"
PinName="execute"

```

```

        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11159.EdGraphPin_37699'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
    Pins(0)=EdGraphPin'EdGraphPin_41613'
    Pins(1)=EdGraphPin'EdGraphPin_41614'
    Pins(2)=EdGraphPin'EdGraphPin_41615'
    Pins(3)=EdGraphPin'EdGraphPin_41616'
    NodePosX=544
    NodePosY=3072
    NodeGuid=B9AF4BC2484611A39738368F4FC23F4C
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14679"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35782"
    End Object
    Begin Object Name="EdGraphPin_35782"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33566.EdGraphPin_41626'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35782'
    NodePosX=128
    NodePosY=3280
    NodeGuid=473B91544CF736DFC3577F81F33A8F84
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14680"
    Begin Object Class=EdGraphPin Name="EdGraphPin_35751"
    End Object
    Begin Object Name="EdGraphPin_35751"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33567.EdGraphPin_41632'
    End Object
    ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_35751'
    NodePosX=128
    NodePosY=3328
    NodeGuid=F362C03A419511688327B3BC75FD6B83
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33566"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41626"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41625"
    End Object
    Begin Object Name="EdGraphPin_41626"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14679.EdGraphPin_35782'
    End Object
    Begin Object Name="EdGraphPin_41625"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44542.EdGraphPin_41639'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41625'
    Pins(1)=EdGraphPin'EdGraphPin_41626'
    NodePosX=320
    NodePosY=3280
    NodeGuid=258352AD4C7016788529CA9673542617
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33567"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41632"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41631"
    End Object
    Begin Object Name="EdGraphPin_41632"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_14680.EdGraphPin_35751'
    End Object
    Begin Object Name="EdGraphPin_41631"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44542.EdGraphPin_41639'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41631'
    Pins(1)=EdGraphPin'EdGraphPin_41632'
    NodePosX=320
    NodePosY=3328
    NodeGuid=10CB98FB407C69B79C8CA0B822F426BD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44542"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41640"
    End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_41639"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41638"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41637"
End Object
Begin Object Name="EdGraphPin_41640"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/09_Mat.09_Mat'
End Object
Begin Object Name="EdGraphPin_41639"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33566.EdGraphPin_41625'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33567.EdGraphPin_41631'
End Object
Begin Object Name="EdGraphPin_41638"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41637"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11160.EdGraphPin_37711'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41637'
Pins(1)=EdGraphPin'EdGraphPin_41638'
Pins(2)=EdGraphPin'EdGraphPin_41639'
Pins(3)=EdGraphPin'EdGraphPin_41640'
NodePosX=544
NodePosY=3216
NodeGuid=70A9ED634FB991BFA4CB18AA5B052D4A
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14746"
Begin Object Class=EdGraphPin Name="EdGraphPin_35945"
End Object
Begin Object Name="EdGraphPin_35945"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33659.EdGraphPin_41650'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35945'
NodePosX=128
NodePosY=3424
NodeGuid=7F4D25DC47801030704CC998680861B
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14747"
Begin Object Class=EdGraphPin Name="EdGraphPin_35942"
End Object
Begin Object Name="EdGraphPin_35942"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33660.EdGraphPin_41656'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35942'
NodePosX=128
NodePosY=3472
NodeGuid=F383482D4FA1D58674973CB17B3AA888
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33659"
Begin Object Class=EdGraphPin Name="EdGraphPin_41650"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41649"
End Object
Begin Object Name="EdGraphPin_41650"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14746.EdGraphPin_35945'
End Object
Begin Object Name="EdGraphPin_41649"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44653.EdGraphPin_41663'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41649'
Pins(1)=EdGraphPin'EdGraphPin_41650'
NodePosX=320
NodePosY=3424
NodeGuid=F101B3E041FE832269FE698E3FA694E2
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33660"
Begin Object Class=EdGraphPin Name="EdGraphPin_41656"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_41655"
End Object
Begin Object Name="EdGraphPin_41656"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14747.EdGraphPin_35942'
End Object
Begin Object Name="EdGraphPin_41655"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44653.EdGraphPin_41663'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41655'
Pins(1)=EdGraphPin'EdGraphPin_41656'
NodePosX=320
NodePosY=3472
NodeGuid=E2A7D72E47DE38BDD122A4B37B876791
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44653"
Begin Object Class=EdGraphPin Name="EdGraphPin_41664"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41663"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41662"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41661"
End Object
Begin Object Name="EdGraphPin_41664"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/08_Mat.08_Mat'
End Object
Begin Object Name="EdGraphPin_41663"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33659.EdGraphPin_41649'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33660.EdGraphPin_41655'
End Object
Begin Object Name="EdGraphPin_41662"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41661"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11149.EdGraphPin_37819'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41661'
Pins(1)=EdGraphPin'EdGraphPin_41662'
Pins(2)=EdGraphPin'EdGraphPin_41663'
Pins(3)=EdGraphPin'EdGraphPin_41664'
NodePosX=544
NodePosY=3360
NodeGuid=C051DEFF44687406B33D4C926CE19979
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14815"
Begin Object Class=EdGraphPin Name="EdGraphPin_35948"
End Object
Begin Object Name="EdGraphPin_35948"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33754.EdGraphPin_41674'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35948'
NodePosX=128
NodePosY=3568
NodeGuid=9FE18BB7442D662B9AD50EA51424ABFA
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14816"
Begin Object Class=EdGraphPin Name="EdGraphPin_35737"
End Object
Begin Object Name="EdGraphPin_35737"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33755.EdGraphPin_41680'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35737'
NodePosX=128
NodePosY=3616
NodeGuid=4F3F416148058C73047895BF9C98B182
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33754"
Begin Object Class=EdGraphPin Name="EdGraphPin_41674"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_41673"
End Object
Begin Object Name="EdGraphPin_41674"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14815.EdGraphPin_35948'
End Object
Begin Object Name="EdGraphPin_41673"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44765.EdGraphPin_41687'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41673'
Pins(1)=EdGraphPin'EdGraphPin_41674'
NodePosX=320
NodePosY=3568
NodeGuid=C5B98663498357C46B5718A2BDA947EC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33755"
Begin Object Class=EdGraphPin Name="EdGraphPin_41680"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41679"
End Object
Begin Object Name="EdGraphPin_41680"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14816.EdGraphPin_35737'
End Object
Begin Object Name="EdGraphPin_41679"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44765.EdGraphPin_41687'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41679'
Pins(1)=EdGraphPin'EdGraphPin_41680'
NodePosX=320
NodePosY=3616
NodeGuid=C0BE30C64D8A821B9AAD0795478FFC38
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44765"
Begin Object Class=EdGraphPin Name="EdGraphPin_41688"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41687"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41686"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41685"
End Object
Begin Object Name="EdGraphPin_41688"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Progress_Bar/07_Mat.07_Mat'
End Object
Begin Object Name="EdGraphPin_41687"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33754.EdGraphPin_41673'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33755.EdGraphPin_41679'
End Object
Begin Object Name="EdGraphPin_41686"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41685"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11150.EdGraphPin_37831'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41685'
Pins(1)=EdGraphPin'EdGraphPin_41686'
Pins(2)=EdGraphPin'EdGraphPin_41687'
Pins(3)=EdGraphPin'EdGraphPin_41688'
NodePosX=544
NodePosY=3504
NodeGuid=7189DB014CBA974B4B9EA5863A8A51A8
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14886"
Begin Object Class=EdGraphPin Name="EdGraphPin_35939"
End Object
Begin Object Name="EdGraphPin_35939"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33851.EdGraphPin_41698'
End Object

```

```

ObjectRef=DecalActor' /Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35939'
NodePosX=128
NodePosY=3712
NodeGuid=E9E76A6249D66C43CC301B80B02CBCBE
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14887"
Begin Object Class=EdGraphPin Name="EdGraphPin_35936"
End Object
Begin Object Name="EdGraphPin_35936"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33852.EdGraphPin_41704'
End Object
ObjectRef=DecalActor' /Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35936'
NodePosX=128
NodePosY=3760
NodeGuid=0D465A894FF290B940E43E9C710DB97B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33851"
Begin Object Class=EdGraphPin Name="EdGraphPin_41698"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41697"
End Object
Begin Object Name="EdGraphPin_41698"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14886.EdGraphPin_35939'
End Object
Begin Object Name="EdGraphPin_41697"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44878.EdGraphPin_41711'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41697'
Pins(1)=EdGraphPin'EdGraphPin_41698'
NodePosX=320
NodePosY=3712
NodeGuid=6B36F8E64DDF49D6047ADAA7CA20FBA3
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33852"
Begin Object Class=EdGraphPin Name="EdGraphPin_41704"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41703"
End Object
Begin Object Name="EdGraphPin_41704"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_14887.EdGraphPin_35936'
End Object
Begin Object Name="EdGraphPin_41703"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44878.EdGraphPin_41711'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41703'
Pins(1)=EdGraphPin'EdGraphPin_41704'
NodePosX=320
NodePosY=3760
NodeGuid=54A527964574F8B4B58DCC84D87051AE
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44878"
Begin Object Class=EdGraphPin Name="EdGraphPin_41712"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41711"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41710"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41709"
End Object
Begin Object Name="EdGraphPin_41712"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material' /Game/Textures/Progress_Bar/06_Mat.06_Mat'
End Object
Begin Object Name="EdGraphPin_41711"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33851.EdGraphPin_41697'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33852.EdGraphPin_41703'
End Object
Begin Object Name="EdGraphPin_41710"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")

```

```

End Object
Begin Object Name="EdGraphPin_41709"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11151.EdGraphPin_37843'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41709'
Pins(1)=EdGraphPin'EdGraphPin_41710'
Pins(2)=EdGraphPin'EdGraphPin_41711'
Pins(3)=EdGraphPin'EdGraphPin_41712'
NodePosX=544
NodePosY=3648
NodeGuid=CE9E73524BDED911843AAB8720AF4EE7
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14959"
Begin Object Class=EdGraphPin Name="EdGraphPin_35734"
End Object
Begin Object Name="EdGraphPin_35734"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33950.EdGraphPin_41722'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35734'
NodePosX=128
NodePosY=3856
NodeGuid=3B1F842E494807D64B582B9D144D62FF
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_14960"
Begin Object Class=EdGraphPin Name="EdGraphPin_35731"
End Object
Begin Object Name="EdGraphPin_35731"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33951.EdGraphPin_41728'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35731'
NodePosX=128
NodePosY=3904
NodeGuid=41BA27664AAD0FD8ADE813AF708FE44A
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33950"
Begin Object Class=EdGraphPin Name="EdGraphPin_41722"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41721"
End Object
Begin Object Name="EdGraphPin_41722"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14959.EdGraphPin_35734'
End Object
Begin Object Name="EdGraphPin_41721"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44992.EdGraphPin_41735'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41721'
Pins(1)=EdGraphPin'EdGraphPin_41722'
NodePosX=320
NodePosY=3856
NodeGuid=A6F9B0F143F2B16DC898D9A7DE1DF716
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_33951"
Begin Object Class=EdGraphPin Name="EdGraphPin_41728"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41727"
End Object
Begin Object Name="EdGraphPin_41728"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_14960.EdGraphPin_35731'
End Object
Begin Object Name="EdGraphPin_41727"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_44992.EdGraphPin_41735'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41727'
Pins(1)=EdGraphPin'EdGraphPin_41728'
NodePosX=320
NodePosY=3904
NodeGuid=FE7B05654D5247F3B3E85E9801F89520
End Object

```



```

Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_44992"
Begin Object Class=EdGraphPin Name="EdGraphPin_41736"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41735"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41734"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41733"
End Object
Begin Object Name="EdGraphPin_41736"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/05_Mat.05_Mat'
End Object
Begin Object Name="EdGraphPin_41735"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_33950.EdGraphPin_41721'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_33951.EdGraphPin_41727'
End Object
Begin Object Name="EdGraphPin_41734"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41733"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11152.EdGraphPin_37855'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41733'
Pins(1)=EdGraphPin'EdGraphPin_41734'
Pins(2)=EdGraphPin'EdGraphPin_41735'
Pins(3)=EdGraphPin'EdGraphPin_41736'
NodePosX=544
NodePosY=3792
NodeGuid=CB2EED4343ECAA85BAF5E3A6ABF3F158
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15034"
Begin Object Class=EdGraphPin Name="EdGraphPin_36032"
End Object
Begin Object Name="EdGraphPin_36032"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34051.EdGraphPin_41746'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_36032'
NodePosX=128
NodePosY=4000
NodeGuid=EB279A2F4790B50E7D8C01843EEA4259
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15035"
Begin Object Class=EdGraphPin Name="EdGraphPin_35930"
End Object
Begin Object Name="EdGraphPin_35930"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34052.EdGraphPin_41752'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35930'
NodePosX=128
NodePosY=4048
NodeGuid=BFCA10B043B8116060EDEFB6982D087B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34051"
Begin Object Class=EdGraphPin Name="EdGraphPin_41746"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41745"
End Object
Begin Object Name="EdGraphPin_41746"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_15034.EdGraphPin_36032'
End Object
Begin Object Name="EdGraphPin_41745"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45107.EdGraphPin_41759'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41745'
Pins(1)=EdGraphPin'EdGraphPin_41746'
NodePosX=320
NodePosY=4000
NodeGuid=ECB62CEF495869C87B8EFD91C7933D39
End Object

```

```

Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34052"
Begin Object Class=EdGraphPin Name="EdGraphPin_41752"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41751"
End Object
Begin Object Name="EdGraphPin_41752"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_15035.EdGraphPin_35930'
End Object
Begin Object Name="EdGraphPin_41751"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45107.EdGraphPin_41759'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41751'
Pins(1)=EdGraphPin'EdGraphPin_41752'
NodePosX=320
NodePosY=4048
NodeGuid=777E02784DF3FD279F1529B57CB61C5C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_45107"
Begin Object Class=EdGraphPin Name="EdGraphPin_41760"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41759"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41758"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41757"
End Object
Begin Object Name="EdGraphPin_41760"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/04_Mat.04_Mat'
End Object
Begin Object Name="EdGraphPin_41759"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34051.EdGraphPin_41745'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_34052.EdGraphPin_41751'
End Object
Begin Object Name="EdGraphPin_41758"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41757"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11147.EdGraphPin_37867'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41757'
Pins(1)=EdGraphPin'EdGraphPin_41758'
Pins(2)=EdGraphPin'EdGraphPin_41759'
Pins(3)=EdGraphPin'EdGraphPin_41760'
NodePosX=544
NodePosY=3936
NodeGuid=FFAEB2C74FE537F10321A1B00A890A9
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15111"
Begin Object Class=EdGraphPin Name="EdGraphPin_35927"
End Object
Begin Object Name="EdGraphPin_35927"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34154.EdGraphPin_41770'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
Pins(0)=EdGraphPin'EdGraphPin_35927'
NodePosX=128
NodePosY=4144
NodeGuid=919E1BD046F5D4C5A751EA8E161674DA
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15112"
Begin Object Class=EdGraphPin Name="EdGraphPin_35728"
End Object
Begin Object Name="EdGraphPin_35728"
PinName="DecalActor2"
PinFriendlyName="DecalActor2"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34155.EdGraphPin_41776'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
Pins(0)=EdGraphPin'EdGraphPin_35728'
NodePosX=128
NodePosY=4192
NodeGuid=0AA5C2B54D76277993ABC5AA49D7EFD9
End Object

```

```

Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34154"
Begin Object Class=EdGraphPin Name="EdGraphPin_41770"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41769"
End Object
Begin Object Name="EdGraphPin_41770"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_15111.EdGraphPin_35927'
End Object
Begin Object Name="EdGraphPin_41769"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45223.EdGraphPin_41783'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41769'
Pins(1)=EdGraphPin'EdGraphPin_41770'
NodePosX=320
NodePosY=4144
NodeGuid=78C8C7984A8043F0BCD4CE851AA57F6A
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34155"
Begin Object Class=EdGraphPin Name="EdGraphPin_41776"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41775"
End Object
Begin Object Name="EdGraphPin_41776"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_15112.EdGraphPin_35728'
End Object
Begin Object Name="EdGraphPin_41775"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45223.EdGraphPin_41783'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41775'
Pins(1)=EdGraphPin'EdGraphPin_41776'
NodePosX=320
NodePosY=4192
NodeGuid=B0F6594849BA9A3F113487BF014D70F5
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_45223"
Begin Object Class=EdGraphPin Name="EdGraphPin_41784"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41783"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41782"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41781"
End Object
Begin Object Name="EdGraphPin_41784"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/03_Mat.03_Mat'
End Object
Begin Object Name="EdGraphPin_41783"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34154.EdGraphPin_41769'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_34155.EdGraphPin_41775'
End Object
Begin Object Name="EdGraphPin_41782"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41781"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11148.EdGraphPin_37879'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41781'
Pins(1)=EdGraphPin'EdGraphPin_41782'
Pins(2)=EdGraphPin'EdGraphPin_41783'
Pins(3)=EdGraphPin'EdGraphPin_41784'
NodePosX=544
NodePosY=4080
NodeGuid=8D51371648084B8E9230938BA766361D
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15190"
Begin Object Class=EdGraphPin Name="EdGraphPin_35933"
End Object
Begin Object Name="EdGraphPin_35933"
PinName="DecalActor1"
PinFriendlyName="DecalActor1"
Direction=EGPD_Output

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34259.EdGraphPin_41794'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_35933'
    NodePosX=128
    NodePosY=4288
    NodeGuid=5591452C49F7CA30E2B3AFAAFD27B3A6
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_15191"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36017"
    End Object
    Begin Object Name="EdGraphPin_36017"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34260.EdGraphPin_41800'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_36017'
    NodePosX=128
    NodePosY=4336
    NodeGuid=B4089CDD470973CA7FD27BA784AC8BB5
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34259"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41794"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41793"
    End Object
    Begin Object Name="EdGraphPin_41794"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_15190.EdGraphPin_35933'
    End Object
    Begin Object Name="EdGraphPin_41793"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45340.EdGraphPin_41807'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41793'
    Pins(1)=EdGraphPin'EdGraphPin_41794'
    NodePosX=320
    NodePosY=4288
    NodeGuid=B0F3ACB04B7A24B3968EE19B3B69840E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_34260"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41800"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41799"
    End Object
    Begin Object Name="EdGraphPin_41800"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_15191.EdGraphPin_36017'
    End Object
    Begin Object Name="EdGraphPin_41799"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_45340.EdGraphPin_41807'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41799'
    Pins(1)=EdGraphPin'EdGraphPin_41800'
    NodePosX=320
    NodePosY=4336
    NodeGuid=A40FF0A460FBA773BBEC1898EE3E2EF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_45340"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41808"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41807"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41806"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41805"
    End Object
    Begin Object Name="EdGraphPin_41808"
        PinName="NewDecalMaterial"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
        DefaultObject=Material'/Game/Textures/Progress_Bar/02_Mat.02_Mat'
    End Object
    Begin Object Name="EdGraphPin_41807"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_34259.EdGraphPin_41793'
        LinkedTo(1)=EdGraphPin'K2Node_VariableGet_34260.EdGraphPin_41799'
    End Object
    Begin Object Name="EdGraphPin_41806"

```

```

        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
    End Object
Begin Object Name="EdGraphPin_41805"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11146.EdGraphPin_37891'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41805'
Pins(1)=EdGraphPin'EdGraphPin_41806'
Pins(2)=EdGraphPin'EdGraphPin_41807'
Pins(3)=EdGraphPin'EdGraphPin_41808'
NodePosX=544
NodePosY=4224
NodeGuid=E37C4B614DA731EBEFC145B5160F2E8A
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_13852"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36038"
        End Object
    Begin Object Name="EdGraphPin_36038"
        PinName="DecalActor1"
        PinFriendlyName="DecalActor1"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19578.EdGraphPin_41818'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_1'
    Pins(0)=EdGraphPin'EdGraphPin_36038'
    NodePosX=128
    NodePosY=4432
    NodeGuid=80325D844FE0F62C5297B0AAA111CEE9
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_13877"
    Begin Object Class=EdGraphPin Name="EdGraphPin_36056"
        End Object
    Begin Object Name="EdGraphPin_36056"
        PinName="DecalActor2"
        PinFriendlyName="DecalActor2"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_41824'
    End Object
    ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.Progress_Bar_2'
    Pins(0)=EdGraphPin'EdGraphPin_36056'
    NodePosX=128
    NodePosY=4480
    NodeGuid=1ACDE897496FFE27B0AC1B8A35502712
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_19578"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41818"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41817"
        End Object
    Begin Object Name="EdGraphPin_41818"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_13852.EdGraphPin_36038'
    End Object
    Begin Object Name="EdGraphPin_41817"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_41831'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41817'
    Pins(1)=EdGraphPin'EdGraphPin_41818'
    NodePosX=320
    NodePosY=4432
    NodeGuid=D56F0B7642A750B32C9CB48D74174915
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_18737"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41824"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41823"
        End Object
    Begin Object Name="EdGraphPin_41824"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
        LinkedTo(0)=EdGraphPin'K2Node_Literal_13877.EdGraphPin_36056'
    End Object
    Begin Object Name="EdGraphPin_41823"
        PinName="Decal"
        Direction=EGPD_Output
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_34616.EdGraphPin_41831'
    End Object
    VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
    SelfContextInfo=NotSelfContext
    Pins(0)=EdGraphPin'EdGraphPin_41823'
    Pins(1)=EdGraphPin'EdGraphPin_41824'
    NodePosX=320

```

```

NodePosY=4480
NodeGuid=AE28D413404561551C2F7DA2303F720B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_34616"
Begin Object Class=EdGraphPin Name="EdGraphPin_41832"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41831"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41830"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41829"
End Object
Begin Object Name="EdGraphPin_41832"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Progress_Bar/01_Mat.01_Mat'
End Object
Begin Object Name="EdGraphPin_41831"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_19578.EdGraphPin_41817'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_18737.EdGraphPin_41823'
End Object
Begin Object Name="EdGraphPin_41830"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41829"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_11145.EdGraphPin_37903'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41829'
Pins(1)=EdGraphPin'EdGraphPin_41830'
Pins(2)=EdGraphPin'EdGraphPin_41831'
Pins(3)=EdGraphPin'EdGraphPin_41832'
NodePosX=544
NodePosY=4368
NodeGuid=E7C3C2DE4B1A6BB0D37FFB8541BF8349
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3012"
Begin Object Class=EdGraphPin Name="EdGraphPin_41844"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41843"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41842"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41841"
End Object
Begin Object Name="EdGraphPin_41844"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_141.EdGraphPin_39252'
End Object
Begin Object Name="EdGraphPin_41843"
PinName="B"
PinType=(PinCategory="int")
DefaultValue="14"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_41842"
PinName="A"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4661.EdGraphPin_40517'
End Object
Begin Object Name="EdGraphPin_41841"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
DefaultObject=Default__KismetMathLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41841'
Pins(1)=EdGraphPin'EdGraphPin_41842'
Pins(2)=EdGraphPin'EdGraphPin_41843'
Pins(3)=EdGraphPin'EdGraphPin_41844'
NodePosX=-1328
NodePosY=5072
NodeGuid=C3EFE36D4C64A6D1CEA784BF1CBF2A4A
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_141"
Begin Object Class=EdGraphPin Name="EdGraphPin_39254"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39253"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39252"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39251"

```

```

End Object
Begin Object Name="EdGraphPin_39254"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23726.EdGraphPin_40557'
End Object
Begin Object Name="EdGraphPin_39253"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3873.EdGraphPin_41865'
End Object
Begin Object Name="EdGraphPin_39252"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3012.EdGraphPin_41844'
End Object
Begin Object Name="EdGraphPin_39251"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_38915.EdGraphPin_40579'
End Object
Pins(0)=EdGraphPin'EdGraphPin_39251'
Pins(1)=EdGraphPin'EdGraphPin_39252'
Pins(2)=EdGraphPin'EdGraphPin_39253'
Pins(3)=EdGraphPin'EdGraphPin_39254'
NodePosX=-1104
NodePosY=5040
NodeGuid=66001DF442A0DE838A06988554538858
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1151"
Begin Object Class=EdGraphPin Name="EdGraphPin_41854"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41853"
End Object
Begin Object Name="EdGraphPin_41854"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_6825.EdGraphPin_36053'
End Object
Begin Object Name="EdGraphPin_41853"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3873.EdGraphPin_41867'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41853'
Pins(1)=EdGraphPin'EdGraphPin_41854'
NodePosX=-960
NodePosY=4640
NodeGuid=5C3582154E358E24C7ADFCADE05A6FB0
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_6825"
Begin Object Class=EdGraphPin Name="EdGraphPin_36053"
End Object
Begin Object Name="EdGraphPin_36053"
    PinName="DecalActor1"
    PinFriendlyName="DecalActor1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1151.EdGraphPin_41854'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Instruction_1'
Pins(0)=EdGraphPin'EdGraphPin_36053'
NodePosX=-1152
NodePosY=4640
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=6E55E9D343C23CDDA36DDEAA559A51CC
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_7379"
Begin Object Class=EdGraphPin Name="EdGraphPin_36047"
End Object
Begin Object Name="EdGraphPin_36047"
    PinName="DecalActor2"
    PinFriendlyName="DecalActor2"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1152.EdGraphPin_41860'
End Object
ObjectRef=DecalActor'/Game/Maps/Level01.Level01:PersistentLevel.Instruction_2'
Pins(0)=EdGraphPin'EdGraphPin_36047'
NodePosX=-1152
NodePosY=4688
ErrorType=3
ErrorMsg="Warning Node Unknown is not referencing a valid level actor"
NodeGuid=A51E915542221CD5A11CE8B2D94BC4AB
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1152"

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_41860"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41859"
End Object
Begin Object Name="EdGraphPin_41860"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_Literal_7379.EdGraphPin_36047'
End Object
Begin Object Name="EdGraphPin_41859"
    PinName="Decal"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3873.EdGraphPin_41867'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41859'
Pins(1)=EdGraphPin'EdGraphPin_41860'
NodePosX=-960
NodePosY=4688
NodeGuid=2B297EBE41AD43802B050BA7A5C27FC2
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3873"
Begin Object Class=EdGraphPin Name="EdGraphPin_41868"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41867"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41866"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41865"
End Object
Begin Object Name="EdGraphPin_41868"
    PinName="NewDecalMaterial"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
    DefaultObject=Material'/Game/Textures/Instructions/Inst_7_2.Inst_7_2'
End Object
Begin Object Name="EdGraphPin_41867"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1151.EdGraphPin_41853'
    LinkedTo(1)=EdGraphPin'K2Node_VariableGet_1152.EdGraphPin_41859'
End Object
Begin Object Name="EdGraphPin_41866"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_42520.EdGraphPin_41889'
End Object
Begin Object Name="EdGraphPin_41865"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_141.EdGraphPin_39253'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41865'
Pins(1)=EdGraphPin'EdGraphPin_41866'
Pins(2)=EdGraphPin'EdGraphPin_41867'
Pins(3)=EdGraphPin'EdGraphPin_41868'
NodePosX=-736
NodePosY=4640
NodeGuid=48EF3CAA421194D97ED3609D3CC49954
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_645"
Begin Object Class=EdGraphPin Name="EdGraphPin_36041"
End Object
Begin Object Name="EdGraphPin_36041"
    PinName="DecalActor-1"
    PinFriendlyName="DecalActor-1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_30760.EdGraphPin_41878'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.DCE_Inst1'
Pins(0)=EdGraphPin'EdGraphPin_36041'
NodePosX=-928
NodePosY=4848
NodeGuid=5594EE4E44589D4DE396408FCBD9CD73
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_728"
Begin Object Class=EdGraphPin Name="EdGraphPin_36035"
End Object
Begin Object Name="EdGraphPin_36035"
    PinName="DecalActor-1"
    PinFriendlyName="DecalActor-1"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_30761.EdGraphPin_41884'
End Object
ObjectRef=DecalActor'/Game/Maps/level01.level01:PersistentLevel.DCE_Inst2'
Pins(0)=EdGraphPin'EdGraphPin_36035'
NodePosX=-928
NodePosY=4896
NodeGuid=F6D041C84FE7B1BE6E49BD94F6EE4733
End Object

```



```

Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_30760"
Begin Object Class=EdGraphPin Name="EdGraphPin_41878"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41877"
End Object
Begin Object Name="EdGraphPin_41878"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_645.EdGraphPin_36041'
End Object
Begin Object Name="EdGraphPin_41877"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_42520.EdGraphPin_41891'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41877'
Pins(1)=EdGraphPin'EdGraphPin_41878'
NodePosX=-736
NodePosY=4848
NodeGuid=1D0182D6407A36A2F32B1499E3BDA376
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_30761"
Begin Object Class=EdGraphPin Name="EdGraphPin_41884"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41883"
End Object
Begin Object Name="EdGraphPin_41884"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalActor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_728.EdGraphPin_36035'
End Object
Begin Object Name="EdGraphPin_41883"
PinName="Decal"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_42520.EdGraphPin_41891'
End Object
VariableReference=(MemberParent=Class'/Script/Engine.DecalActor',MemberName="Decal")
SelfContextInfo=NotSelfContext
Pins(0)=EdGraphPin'EdGraphPin_41883'
Pins(1)=EdGraphPin'EdGraphPin_41884'
NodePosX=-736
NodePosY=4896
NodeGuid=A253C5E9470853E264BC90B56B936C44
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_42520"
Begin Object Class=EdGraphPin Name="EdGraphPin_41892"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41891"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41890"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41889"
End Object
Begin Object Name="EdGraphPin_41892"
PinName="NewDecalMaterial"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.MaterialInterface')
DefaultObject=Material'/Game/Textures/Instructions/Paused_Inst.Paused_Inst'
End Object
Begin Object Name="EdGraphPin_41891"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.DecalComponent')
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_30760.EdGraphPin_41877'
LinkedTo(1)=EdGraphPin'K2Node_VariableGet_30761.EdGraphPin_41883'
End Object
Begin Object Name="EdGraphPin_41890"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_330.EdGraphPin_39353'
End Object
Begin Object Name="EdGraphPin_41889"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3873.EdGraphPin_41866'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.DecalComponent',MemberName="SetDecalMaterial")
Pins(0)=EdGraphPin'EdGraphPin_41889'
Pins(1)=EdGraphPin'EdGraphPin_41890'
Pins(2)=EdGraphPin'EdGraphPin_41891'
Pins(3)=EdGraphPin'EdGraphPin_41892'
NodePosX=-496
NodePosY=4736
NodeGuid=EC7BEC3540ED57912283D5B1F5A78C48
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_847"
Begin Object Class=EdGraphPin Name="EdGraphPin_39278"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39277"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39276"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39275"
End Object
Begin Object Name="EdGraphPin_39278"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39277"
    PinName="then"
    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23726.EdGraphPin_40557'
End Object
Begin Object Name="EdGraphPin_39276"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_2067.EdGraphPin_39269'
End Object
Begin Object Name="EdGraphPin_39275"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_InputKey_255.EdGraphPin_39368'
    LinkedTo(1)=EdGraphPin'K2Node_InputKey_256.EdGraphPin_39377'
End Object
Pins(0)=EdGraphPin'EdGraphPin_39275'
Pins(1)=EdGraphPin'EdGraphPin_39276'
Pins(2)=EdGraphPin'EdGraphPin_39277'
Pins(3)=EdGraphPin'EdGraphPin_39278'
NodePosX=-384
NodePosY=5200
NodeGuid=9ED6F2DB45307BC287E3EEA3D70325F6
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_2067"
Begin Object Class=EdGraphPin Name="EdGraphPin_39270"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39269"
End Object
Begin Object Name="EdGraphPin_39270"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_39269"
    PinName="Hold"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    AutogeneratedDefaultValue="false"
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_847.EdGraphPin_39276'
End Object
VariableReference=(MemberName="Hold",MemberGuid=8270200D4C9EF428DD057C99C72C3795,bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39269'
Pins(1)=EdGraphPin'EdGraphPin_39270'
NodePosX=-576
NodePosY=5440
NodeGuid=F74E912E4F2FD74DD1A34D873FDF2EEE
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_255"
Begin Object Class=EdGraphPin Name="EdGraphPin_39370"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39369"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39368"
End Object
Begin Object Name="EdGraphPin_39370"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_39369"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39368"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_847.EdGraphPin_39275'
End Object
InputKey=Gamepad_Special_Right
Pins(0)=EdGraphPin'EdGraphPin_39368'
Pins(1)=EdGraphPin'EdGraphPin_39369'
Pins(2)=EdGraphPin'EdGraphPin_39370'
NodePosX=-720
NodePosY=5296
NodeGuid=B426D75248F99ACAE9F7428D79F6304E
End Object
Begin Object Class=K2Node_InputKey Name="K2Node_InputKey_256"
Begin Object Class=EdGraphPin Name="EdGraphPin_39379"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_39378"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39377"
End Object
Begin Object Name="EdGraphPin_39379"
    PinName="Key"
    Direction=EGPD_Output
    PinType=(PinCategory="struct",PinSubCategoryObject=ScriptStruct'/Script/InputCore.Key')
    DefaultValue="AnyKey"
End Object
Begin Object Name="EdGraphPin_39378"
    PinName="Released"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39377"
    PinName="Pressed"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_847.EdGraphPin_39275'
End Object
InputKey=Q
Pins(0)=EdGraphPin'EdGraphPin_39377'
Pins(1)=EdGraphPin'EdGraphPin_39378'
Pins(2)=EdGraphPin'EdGraphPin_39379'
NodePosX=-640
NodePosY=5136
NodeGuid=4D85ADC849A454A9F149A58055B86348
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_330"
Begin Object Class=EdGraphPin Name="EdGraphPin_39357"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39356"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39355"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39354"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39353"
End Object
Begin Object Name="EdGraphPin_39357"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level01.envA_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_39356"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_39355"
    PinName="Hold"
    PinType=(PinCategory="bool")
    DefaultValue="true"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_39354"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39353"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_42520.EdGraphPin_41890'
End Object
VariableReference=(MemberName="Hold",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_39353'
Pins(1)=EdGraphPin'EdGraphPin_39354'
Pins(2)=EdGraphPin'EdGraphPin_39355'
Pins(3)=EdGraphPin'EdGraphPin_39356'
Pins(4)=EdGraphPin'EdGraphPin_39357'
NodePosX=-256
NodePosY=4784
NodeGuid=032582F849C3F56FA7E13D9D9B83AA9C
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_4555"
Begin Object Class=EdGraphPin Name="EdGraphPin_39389"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39388"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39387"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_39386"
End Object
Begin Object Name="EdGraphPin_39389"
    PinName="else"
    PinFriendlyName="false"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_39388"
    PinName="then"

```

```

    PinFriendlyName="true"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_38918.EdGraphPin_40650'
End Object
Begin Object Name="EdGraphPin_39387"
    PinName="Condition"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="true"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_20715.EdGraphPin_41913'
End Object
Begin Object Name="EdGraphPin_39386"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_6464.EdGraphPin_38495'
End Object
Pins(0)=EdGraphPin'EdGraphPin_39386'
Pins(1)=EdGraphPin'EdGraphPin_39387'
Pins(2)=EdGraphPin'EdGraphPin_39388'
Pins(3)=EdGraphPin'EdGraphPin_39389'
NodePosX=-2176
NodePosY=4176
NodeGuid=E941FF224B3E6DDE19372DB4179D23A0
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_1201"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41903"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41902"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41901"
    End Object
    Begin Object Name="EdGraphPin_41903"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_20715.EdGraphPin_41911'
    End Object
    Begin Object Name="EdGraphPin_41902"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10580.EdGraphPin_38351'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_41901"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Length")
    Pins(0)=EdGraphPin'EdGraphPin_41901'
    Pins(1)=EdGraphPin'EdGraphPin_41902'
    Pins(2)=EdGraphPin'EdGraphPin_41903'
    NodePosX=-2544
    NodePosY=4096
    NodeGuid=0604B9B5466DD4229555A9DE1D97AD6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_20715"
    Begin Object Class=EdGraphPin Name="EdGraphPin_41913"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41912"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41911"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_41910"
    End Object
    Begin Object Name="EdGraphPin_41913"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        AutogeneratedDefaultValue="false"
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_4555.EdGraphPin_39387'
    End Object
    Begin Object Name="EdGraphPin_41912"
        PinName="B"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_41911"
        PinName="A"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_1201.EdGraphPin_41903'
    End Object
    Begin Object Name="EdGraphPin_41910"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetMathLibrary')
        DefaultObject=Default__KismetMathLibrary
        bHidden=True
    End Object
End Object

```

```

bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetMathLibrary',MemberName="EqualEqual_IntInt")
Pins(0)=EdGraphPin'EdGraphPin_41910'
Pins(1)=EdGraphPin'EdGraphPin_41911'
Pins(2)=EdGraphPin'EdGraphPin_41912'
Pins(3)=EdGraphPin'EdGraphPin_41913'
NodePosX=-2320
NodePosY=4096
NodeGuid=ECC323E64B203CF219281D99462865FF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3028"
Begin Object Class=EdGraphPin Name="EdGraphPin_41924"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41923"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_41922"
End Object
Begin Object Name="EdGraphPin_41924"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Actor')
LinkedTo(0)=EdGraphPin'K2Node_Literal_335.EdGraphPin_35859'
LinkedTo(1)=EdGraphPin'K2Node_Literal_250.EdGraphPin_36029'
End Object
Begin Object Name="EdGraphPin_41923"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_41922"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_SpawnActorFromClass_561.EdGraphPin_39838'
End Object
FunctionReference=(MemberName="K2_DestroyActor",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_41922'
Pins(1)=EdGraphPin'EdGraphPin_41923'
Pins(2)=EdGraphPin'EdGraphPin_41924'
NodePosX=-2624
NodePosY=1600
NodeGuid=965219F84D0D2E8DC6C0E7827B194884
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_250"
Begin Object Class=EdGraphPin Name="EdGraphPin_36029"
End Object
Begin Object Name="EdGraphPin_36029"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3028.EdGraphPin_41924'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/Level01.Level01:PersistentLevel.1'
Pins(0)=EdGraphPin'EdGraphPin_36029'
NodePosX=-2944
NodePosY=1584
NodeGuid=548F1EA842021C409F938C917EA72F1C
End Object
Begin Object Class=K2Node_Literal Name="K2Node_Literal_335"
Begin Object Class=EdGraphPin Name="EdGraphPin_35859"
End Object
Begin Object Name="EdGraphPin_35859"
PinName="StaticMeshActor-1"
PinFriendlyName="StaticMeshActor-1"
Direction=EGPD_Output
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.StaticMeshActor')
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3028.EdGraphPin_41924'
End Object
ObjectRef=StaticMeshActor'/Game/Maps/Level01.Level01:PersistentLevel.2'
Pins(0)=EdGraphPin'EdGraphPin_35859'
NodePosX=-2944
NodePosY=1632
NodeGuid=687478FD45C3BD345BCDEB8C9F6F9EFA
End Object

```

C.4 Final (Thank You) Level of the Virtual DCE Study

```

Begin Object Class=K2Node_Event Name="K2Node_Event_215"
Begin Object Class=EdGraphPin Name="EdGraphPin_42265"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42264"
End Object
Begin Object Name="EdGraphPin_42265"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_90.EdGraphPin_44204'
End Object
Begin Object Name="EdGraphPin_42264"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/Level199.Level199_C',MemberName="ReceiveBeginPlay"))
End Object

```

```

EventReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level199.level199_C',MemberName="ReceiveBeginPlay")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_42264'
Pins(1)=EdGraphPin'EdGraphPin_42265'
NodePosX=240
NodePosY=-3296
bCommentBubblePinned=True
NodeGuid=42F1928D497F9864609C9C946BCDE08B
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_216"
Begin Object Class=EdGraphPin Name="EdGraphPin_42244"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42243"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42242"
End Object
Begin Object Name="EdGraphPin_42244"
PinName="DeltaSeconds"
PinToolTip="Delta Seconds\nFloat"
Direction=EGPD_Output
PinType=(PinCategory="float")
DefaultValue="0.0"
AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_42243"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_42242"
PinName="OutputDelegate"
Direction=EGPD_Output
PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level199.level199_C',MemberName="ReceiveTick"))
End Object
EventReference=(MemberParent=BlueprintGeneratedClass'/Game/Maps/level199.level199_C',MemberName="ReceiveTick")
bOverrideFunction=True
Pins(0)=EdGraphPin'EdGraphPin_42242'
Pins(1)=EdGraphPin'EdGraphPin_42243'
Pins(2)=EdGraphPin'EdGraphPin_42244'
NodePosX=2384
NodeComment="This node is disabled and will not be called.\nDrag off pins to build functionality."
bCommentBubblePinned=True
bCommentBubbleVisible=True
NodeGuid=CF553189420177B0DEE4C7A54EE41D91
bIsNodeEnabled=False
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_12941"
Begin Object Class=EdGraphPin Name="EdGraphPin_44990"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44989"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44988"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44987"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44986"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44985"
End Object
Begin Object Name="EdGraphPin_44990"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
AutogeneratedDefaultValue="false"
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2432.EdGraphPin_42303'
End Object
Begin Object Name="EdGraphPin_44989"
PinName="UserIndex"
PinType=(PinCategory="int",bIsConst=True)
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_44988"
PinName="SlotName"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10708.EdGraphPin_42290'
End Object
Begin Object Name="EdGraphPin_44987"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
DefaultObject=Default__GameplayStatics
bHidden=True
End Object
Begin Object Name="EdGraphPin_44986"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2432.EdGraphPin_42302'
End Object
Begin Object Name="EdGraphPin_44985"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_43.EdGraphPin_44682'
End Object
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="DoesSaveGameExist")
Pins(0)=EdGraphPin'EdGraphPin_44985'

```

```

Pins(1)=EdGraphPin'EdGraphPin_44986'
Pins(2)=EdGraphPin'EdGraphPin_44987'
Pins(3)=EdGraphPin'EdGraphPin_44988'
Pins(4)=EdGraphPin'EdGraphPin_44989'
Pins(5)=EdGraphPin'EdGraphPin_44990'
NodePosX=2496
NodePosY=-3248
NodeGuid=9D9F56E14A83C12AE88634B98F1E45D7
End Object
Begin Object Class=K2Node_IfThenElse Name="K2Node_IfThenElse_2432"
Begin Object Class=EdGraphPin Name="EdGraphPin_42305"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42304"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42303"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_42302"
End Object
Begin Object Name="EdGraphPin_42305"
PinName="else"
PinFriendlyName="false"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_42304"
PinName="then"
PinFriendlyName="true"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23012.EdGraphPin_45003'
End Object
Begin Object Name="EdGraphPin_42303"
PinName="Condition"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="true"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_12941.EdGraphPin_44990'
End Object
Begin Object Name="EdGraphPin_42302"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_12941.EdGraphPin_44986'
End Object
Pins(0)=EdGraphPin'EdGraphPin_42302'
Pins(1)=EdGraphPin'EdGraphPin_42303'
Pins(2)=EdGraphPin'EdGraphPin_42304'
Pins(3)=EdGraphPin'EdGraphPin_42305'
NodePosX=2800
NodePosY=-3248
NodeGuid=60DED1E143F8337BCAB98382BA32D2FF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_23012"
Begin Object Class=EdGraphPin Name="EdGraphPin_45008"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45007"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45006"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45005"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45004"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45003"
End Object
Begin Object Name="EdGraphPin_45008"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45007"
PinName="UserIndex"
PinType=(PinCategory="int",bIsConst=True)
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45006"
PinName="SlotName"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_10707.EdGraphPin_42296'
End Object
Begin Object Name="EdGraphPin_45005"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
DefaultObject=Default__GameplayStatics
bHidden=True
End Object
Begin Object Name="EdGraphPin_45004"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_45060'
End Object
Begin Object Name="EdGraphPin_45003"
PinName="execute"

```

```

        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_IfThenElse_2432.EdGraphPin_42304'
    End Object
    FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="DeleteGameInSlot")
    Pins(0)=EdGraphPin'EdGraphPin_45003'
    Pins(1)=EdGraphPin'EdGraphPin_45004'
    Pins(2)=EdGraphPin'EdGraphPin_45005'
    Pins(3)=EdGraphPin'EdGraphPin_45006'
    Pins(4)=EdGraphPin'EdGraphPin_45007'
    Pins(5)=EdGraphPin'EdGraphPin_45008'
    NodePosX=3072
    NodePosY=-3264
    NodeGuid=9CA2FE5A4006B9B5ACEC398B9B73D73
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10708"
    Begin Object Class=EdGraphPin Name="EdGraphPin_42291"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_42290"
    End Object
    Begin Object Name="EdGraphPin_42291"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_42290"
        PinName="Lvls"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_12941.EdGraphPin_44988'
    End Object
    VariableReference=(MemberName="Lvls",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_42290'
    Pins(1)=EdGraphPin'EdGraphPin_42291'
    NodePosX=2256
    NodePosY=-3120
    NodeGuid=D862417548F96B4072A4ADB5C7610AF9
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_10707"
    Begin Object Class=EdGraphPin Name="EdGraphPin_42297"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_42296"
    End Object
    Begin Object Name="EdGraphPin_42297"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_42296"
        PinName="Lvls"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23012.EdGraphPin_45006'
    End Object
    VariableReference=(MemberName="Lvls",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_42296'
    Pins(1)=EdGraphPin'EdGraphPin_42297'
    NodePosX=2864
    NodePosY=-3120
    NodeGuid=B9C35D9C4177EFED98416B4F4EC2DE1
End Object
Begin Object Class=K2Node_Event Name="K2Node_Event_213"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45023"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45022"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45021"
    End Object
    Begin Object Name="EdGraphPin_45023"
        PinName="DeltaSeconds"
        PinToolTip="Delta Seconds\nFloat"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
    End Object
    Begin Object Name="EdGraphPin_45022"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_45030'
    End Object
    Begin Object Name="EdGraphPin_45021"
        PinName="OutputDelegate"
        Direction=EGPD_Output
        PinType=(PinCategory="delegate",PinSubCategoryMemberReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick"))
    End Object
    EventReference=(MemberParent=Class'/Script/Engine.Actor',MemberName="ReceiveTick")
    bOverrideFunction=True
    Pins(0)=EdGraphPin'EdGraphPin_45021'
    Pins(1)=EdGraphPin'EdGraphPin_45022'
    Pins(2)=EdGraphPin'EdGraphPin_45023'
    NodePosY=1808
    NodeGuid=69EE87B3479BEF0201514C8DD056C7BC
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3887"

```



```

Begin Object Class=EdGraphPin Name="EdGraphPin_45035"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45034"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45033"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45032"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45031"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45030"
End Object
Begin Object Name="EdGraphPin_45035"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45034"
    PinName="NewMaxMoveSpeed"
    PinType=(PinCategory="float")
    DefaultValue="250"
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_45033"
    PinName="TheCharacter"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3888.EdGraphPin_45051'
End Object
Begin Object Name="EdGraphPin_45032"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
Begin Object Name="EdGraphPin_45031"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_45030"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_Event_213.EdGraphPin_45022'
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="CharacterMovement__SetMaxMoveSpeed")
Pins(0)=EdGraphPin'EdGraphPin_45030'
Pins(1)=EdGraphPin'EdGraphPin_45031'
Pins(2)=EdGraphPin'EdGraphPin_45032'
Pins(3)=EdGraphPin'EdGraphPin_45033'
Pins(4)=EdGraphPin'EdGraphPin_45034'
Pins(5)=EdGraphPin'EdGraphPin_45035'
NodePosX=384
NodePosY=1808
NodeGuid=399E38AD41C0E346EA21019C48E8337E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3888"
Begin Object Class=EdGraphPin Name="EdGraphPin_45051"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45050"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45049"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45048"
End Object
Begin Object Name="EdGraphPin_45051"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.Character')
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3887.EdGraphPin_45033'
End Object
Begin Object Name="EdGraphPin_45050"
    PinName="PlayerIndex"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45049"
    PinName="WorldContextObject"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/CoreUObject.Object')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_45048"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.GameplayStatics')
    DefaultObject=Default__GameplayStatics
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.GameplayStatics',MemberName="GetPlayerCharacter")
Pins(0)=EdGraphPin'EdGraphPin_45048'
Pins(1)=EdGraphPin'EdGraphPin_45049'
Pins(2)=EdGraphPin'EdGraphPin_45050'
Pins(3)=EdGraphPin'EdGraphPin_45051'

```

```

NodePosX=48
NodePosY=1936
NodeGuid=321CCAFE4A1F903CAB785FBDB7637D90
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_16432"
Begin Object Class=EdGraphPin Name="EdGraphPin_45067"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45066"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45065"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45064"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45063"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45062"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45061"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45060"
End Object
Begin Object Name="EdGraphPin_45067"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45066"
PinName="AllowOverWriting"
PinType=(PinCategory="bool")
DefaultValue="true"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45065"
PinName="SaveText"
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44774'
End Object
Begin Object Name="EdGraphPin_45064"
PinName="JoyfulFileName"
PinType=(PinCategory="string")
DefaultValue="responses.txt"
End Object
Begin Object Name="EdGraphPin_45063"
PinName="SaveDirectory"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26254.EdGraphPin_44423'
End Object
Begin Object Name="EdGraphPin_45062"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
DefaultObject=Default__VictoryBPFFunctionLibrary
bHidden=True
End Object
Begin Object Name="EdGraphPin_45061"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_45060"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_23012.EdGraphPin_45004'
End Object
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="FileIO__SaveStringArrayToFile")
Pins(0)=EdGraphPin'EdGraphPin_45060'
Pins(1)=EdGraphPin'EdGraphPin_45061'
Pins(2)=EdGraphPin'EdGraphPin_45062'
Pins(3)=EdGraphPin'EdGraphPin_45063'
Pins(4)=EdGraphPin'EdGraphPin_45064'
Pins(5)=EdGraphPin'EdGraphPin_45065'
Pins(6)=EdGraphPin'EdGraphPin_45066'
Pins(7)=EdGraphPin'EdGraphPin_45067'
NodePosX=2752
NodePosY=-1536
NodeGuid=A208A2AD446A6E3C5DA992B8F4D3F085
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4591"
Begin Object Class=EdGraphPin Name="EdGraphPin_45087"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45086"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45085"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45084"
End Object
Begin Object Name="EdGraphPin_45087"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue=""
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44775'
End Object
Begin Object Name="EdGraphPin_45086"
PinName="Index"

```

```

        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_45085"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29642.EdGraphPin_45157'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45084"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45084'
Pins(1)=EdGraphPin'EdGraphPin_45085'
Pins(2)=EdGraphPin'EdGraphPin_45086'
Pins(3)=EdGraphPin'EdGraphPin_45087'
NodePosX=1968
NodePosY=-2896
NodeGuid=A4343DC0442BC01469E4A0953A7BB862
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2542"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45099"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45098"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45097"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45096"
        End Object
    Begin Object Name="EdGraphPin_45099"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44776'
    End Object
    Begin Object Name="EdGraphPin_45098"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45097"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29642.EdGraphPin_45157'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45096"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45096'
    Pins(1)=EdGraphPin'EdGraphPin_45097'
    Pins(2)=EdGraphPin'EdGraphPin_45098'
    Pins(3)=EdGraphPin'EdGraphPin_45099'
    NodePosX=1968
    NodePosY=-2832
    NodeGuid=44818D314D3C1572ED8B118FFB6C7C17
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2543"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45111"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45110"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45109"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45108"
        End Object
    Begin Object Name="EdGraphPin_45111"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44778'
    End Object
    Begin Object Name="EdGraphPin_45110"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45109"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)

```

```

        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29643.EdGraphPin_45175'
        bDefaultValueIsIgnored=True
    End Object
Begin Object Name="EdGraphPin_45108"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45108'
Pins(1)=EdGraphPin'EdGraphPin_45109'
Pins(2)=EdGraphPin'EdGraphPin_45110'
Pins(3)=EdGraphPin'EdGraphPin_45111'
NodePosX=1968
NodePosY=-2704
NodeGuid=ED8579854ED9534F4C1DA3B9C9B27168
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2544"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45123"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45122"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45121"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45120"
        End Object
    Begin Object Name="EdGraphPin_45123"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44777'
    End Object
    Begin Object Name="EdGraphPin_45122"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45121"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29643.EdGraphPin_45175'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45120"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45120'
    Pins(1)=EdGraphPin'EdGraphPin_45121'
    Pins(2)=EdGraphPin'EdGraphPin_45122'
    Pins(3)=EdGraphPin'EdGraphPin_45123'
    NodePosX=1968
    NodePosY=-2768
    NodeGuid=DC2D575E493542E0EF402087225C2DF7
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2545"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45135"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45134"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45133"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45132"
        End Object
    Begin Object Name="EdGraphPin_45135"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44780'
    End Object
    Begin Object Name="EdGraphPin_45134"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45133"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29644.EdGraphPin_45193'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45132"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')

```

```

        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45132'
    Pins(1)=EdGraphPin'EdGraphPin_45133'
    Pins(2)=EdGraphPin'EdGraphPin_45134'
    Pins(3)=EdGraphPin'EdGraphPin_45135'
    NodePosX=1968
    NodePosY=-2576
    NodeGuid=2324AB9F49220781898EFC96276408F4
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2546"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45147"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45146"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45145"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45144"
        End Object
    Begin Object Name="EdGraphPin_45147"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44779'
    End Object
    Begin Object Name="EdGraphPin_45146"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45145"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29644.EdGraphPin_45193'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45144"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45144'
    Pins(1)=EdGraphPin'EdGraphPin_45145'
    Pins(2)=EdGraphPin'EdGraphPin_45146'
    Pins(3)=EdGraphPin'EdGraphPin_45147'
    NodePosX=1968
    NodePosY=-2648
    NodeGuid=EBC234C84B8F799BCBDF0784E3E61931
End Object
Begin Object Class=K2Node_MakeArray Name="K2Node_MakeArray_1562"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44835"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44834"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44833"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44832"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44831"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44830"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44829"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44828"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44827"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44826"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44825"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44824"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44823"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44822"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44821"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44820"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44819"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44818"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44817"
        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_44816"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44815"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44814"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44813"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44812"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44811"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44810"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44809"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44808"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44807"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44806"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44805"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44804"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44803"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44802"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44801"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44800"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44799"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44798"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44797"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44796"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44795"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44794"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44793"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44792"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44791"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44790"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44789"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44788"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44787"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44786"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44785"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44784"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44783"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44782"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44781"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44780"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44779"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44778"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44777"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44776"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44775"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44774"
End Object
Begin Object Name="EdGraphPin_44835"
  PinName="[60]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin^K2Node_CommutativeAssociativeBinaryOperator_250.EdGraphPin_47157'
End Object
Begin Object Name="EdGraphPin_44834"
  PinName="[59]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin^K2Node_CommutativeAssociativeBinaryOperator_249.EdGraphPin_47145'
End Object
Begin Object Name="EdGraphPin_44833"

```

```

    PinName="[58]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_248.EdGraphPin_47133'
End Object
Begin Object Name="EdGraphPin_44832"
    PinName="[57]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_247.EdGraphPin_47121'
End Object
Begin Object Name="EdGraphPin_44831"
    PinName="[56]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_246.EdGraphPin_47109'
End Object
Begin Object Name="EdGraphPin_44830"
    PinName="[55]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2507.EdGraphPin_46203'
End Object
Begin Object Name="EdGraphPin_44829"
    PinName="[54]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2508.EdGraphPin_46215'
End Object
Begin Object Name="EdGraphPin_44828"
    PinName="[53]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2506.EdGraphPin_46191'
End Object
Begin Object Name="EdGraphPin_44827"
    PinName="[52]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2505.EdGraphPin_46179'
End Object
Begin Object Name="EdGraphPin_44826"
    PinName="[51]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2527.EdGraphPin_46119'
End Object
Begin Object Name="EdGraphPin_44825"
    PinName="[50]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2528.EdGraphPin_46131'
End Object
Begin Object Name="EdGraphPin_44824"
    PinName="[49]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2525.EdGraphPin_46095'
End Object
Begin Object Name="EdGraphPin_44823"
    PinName="[48]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2526.EdGraphPin_46107'
End Object
Begin Object Name="EdGraphPin_44822"
    PinName="[47]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2573.EdGraphPin_46017'
End Object
Begin Object Name="EdGraphPin_44821"
    PinName="[46]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2574.EdGraphPin_46029'
End Object
Begin Object Name="EdGraphPin_44820"
    PinName="[45]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2571.EdGraphPin_45993'
End Object
Begin Object Name="EdGraphPin_44819"
    PinName="[44]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2572.EdGraphPin_46005'
End Object
Begin Object Name="EdGraphPin_44818"
    PinName="[43]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2570.EdGraphPin_45981'
End Object
Begin Object Name="EdGraphPin_44817"
    PinName="[42]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2569.EdGraphPin_45969'
End Object
Begin Object Name="EdGraphPin_44816"
    PinName="[41]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2567.EdGraphPin_45891'
End Object
Begin Object Name="EdGraphPin_44815"
    PinName="[40]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2568.EdGraphPin_45903'
End Object
Begin Object Name="EdGraphPin_44814"
    PinName="[39]"
    PinType=(PinCategory="string")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2565.EdGraphPin_45867'
End Object
Begin Object Name="EdGraphPin_44813"
    PinName="[38]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2566.EdGraphPin_45879'
End Object
Begin Object Name="EdGraphPin_44812"
    PinName="[37]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2524.EdGraphPin_45855'
End Object
Begin Object Name="EdGraphPin_44811"
    PinName="[36]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2523.EdGraphPin_45843'
End Object
Begin Object Name="EdGraphPin_44810"
    PinName="[35]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2539.EdGraphPin_45765'
End Object
Begin Object Name="EdGraphPin_44809"
    PinName="[34]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2540.EdGraphPin_45777'
End Object
Begin Object Name="EdGraphPin_44808"
    PinName="[33]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2537.EdGraphPin_45741'
End Object
Begin Object Name="EdGraphPin_44807"
    PinName="[32]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2538.EdGraphPin_45753'
End Object
Begin Object Name="EdGraphPin_44806"
    PinName="[31]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2536.EdGraphPin_45729'
End Object
Begin Object Name="EdGraphPin_44805"
    PinName="[30]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2535.EdGraphPin_45717'
End Object
Begin Object Name="EdGraphPin_44804"
    PinName="[29]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2533.EdGraphPin_45639'
End Object
Begin Object Name="EdGraphPin_44803"
    PinName="[28]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2534.EdGraphPin_45651'
End Object
Begin Object Name="EdGraphPin_44802"
    PinName="[27]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2531.EdGraphPin_45615'
End Object
Begin Object Name="EdGraphPin_44801"
    PinName="[26]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2532.EdGraphPin_45627'
End Object
Begin Object Name="EdGraphPin_44800"
    PinName="[25]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2530.EdGraphPin_45603'
End Object
Begin Object Name="EdGraphPin_44799"
    PinName="[24]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2529.EdGraphPin_45591'
End Object
Begin Object Name="EdGraphPin_44798"
    PinName="[23]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2563.EdGraphPin_45513'
End Object
Begin Object Name="EdGraphPin_44797"
    PinName="[22]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2564.EdGraphPin_45525'
End Object
Begin Object Name="EdGraphPin_44796"
    PinName="[21]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2561.EdGraphPin_45489'
End Object
Begin Object Name="EdGraphPin_44795"
    PinName="[20]"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2562.EdGraphPin_45501'
End Object

```



```

Begin Object Name="EdGraphPin_44794"
  PinName="[19]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2560.EdGraphPin_45477'
End Object
Begin Object Name="EdGraphPin_44793"
  PinName="[18]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2559.EdGraphPin_45465'
End Object
Begin Object Name="EdGraphPin_44792"
  PinName="[17]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2557.EdGraphPin_45387'
End Object
Begin Object Name="EdGraphPin_44791"
  PinName="[16]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2558.EdGraphPin_45399'
End Object
Begin Object Name="EdGraphPin_44790"
  PinName="[15]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2555.EdGraphPin_45363'
End Object
Begin Object Name="EdGraphPin_44789"
  PinName="[14]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2556.EdGraphPin_45375'
End Object
Begin Object Name="EdGraphPin_44788"
  PinName="[13]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2554.EdGraphPin_45351'
End Object
Begin Object Name="EdGraphPin_44787"
  PinName="[12]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2553.EdGraphPin_45339'
End Object
Begin Object Name="EdGraphPin_44786"
  PinName="[11]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2551.EdGraphPin_45261'
End Object
Begin Object Name="EdGraphPin_44785"
  PinName="[10]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2552.EdGraphPin_45273'
End Object
Begin Object Name="EdGraphPin_44784"
  PinName="[9]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2549.EdGraphPin_45237'
End Object
Begin Object Name="EdGraphPin_44783"
  PinName="[8]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2550.EdGraphPin_45249'
End Object
Begin Object Name="EdGraphPin_44782"
  PinName="[7]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2548.EdGraphPin_45225'
End Object
Begin Object Name="EdGraphPin_44781"
  PinName="[6]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2547.EdGraphPin_45213'
End Object
Begin Object Name="EdGraphPin_44780"
  PinName="[5]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2545.EdGraphPin_45135'
End Object
Begin Object Name="EdGraphPin_44779"
  PinName="[4]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2546.EdGraphPin_45147'
End Object
Begin Object Name="EdGraphPin_44778"
  PinName="[3]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2543.EdGraphPin_45111'
End Object
Begin Object Name="EdGraphPin_44777"
  PinName="[2]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2544.EdGraphPin_45123'
End Object
Begin Object Name="EdGraphPin_44776"
  PinName="[1]"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2542.EdGraphPin_45099'
End Object
Begin Object Name="EdGraphPin_44775"
  PinName="[0]"

```

```

    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4591.EdGraphPin_45087'
End Object
Begin Object Name="EdGraphPin_44774"
    PinName="Array"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_16432.EdGraphPin_45065'
End Object
NumInputs=61
Pins(0)=EdGraphPin'EdGraphPin_44774'
Pins(1)=EdGraphPin'EdGraphPin_44775'
Pins(2)=EdGraphPin'EdGraphPin_44776'
Pins(3)=EdGraphPin'EdGraphPin_44777'
Pins(4)=EdGraphPin'EdGraphPin_44778'
Pins(5)=EdGraphPin'EdGraphPin_44779'
Pins(6)=EdGraphPin'EdGraphPin_44780'
Pins(7)=EdGraphPin'EdGraphPin_44781'
Pins(8)=EdGraphPin'EdGraphPin_44782'
Pins(9)=EdGraphPin'EdGraphPin_44783'
Pins(10)=EdGraphPin'EdGraphPin_44784'
Pins(11)=EdGraphPin'EdGraphPin_44785'
Pins(12)=EdGraphPin'EdGraphPin_44786'
Pins(13)=EdGraphPin'EdGraphPin_44787'
Pins(14)=EdGraphPin'EdGraphPin_44788'
Pins(15)=EdGraphPin'EdGraphPin_44789'
Pins(16)=EdGraphPin'EdGraphPin_44790'
Pins(17)=EdGraphPin'EdGraphPin_44791'
Pins(18)=EdGraphPin'EdGraphPin_44792'
Pins(19)=EdGraphPin'EdGraphPin_44793'
Pins(20)=EdGraphPin'EdGraphPin_44794'
Pins(21)=EdGraphPin'EdGraphPin_44795'
Pins(22)=EdGraphPin'EdGraphPin_44796'
Pins(23)=EdGraphPin'EdGraphPin_44797'
Pins(24)=EdGraphPin'EdGraphPin_44798'
Pins(25)=EdGraphPin'EdGraphPin_44799'
Pins(26)=EdGraphPin'EdGraphPin_44800'
Pins(27)=EdGraphPin'EdGraphPin_44801'
Pins(28)=EdGraphPin'EdGraphPin_44802'
Pins(29)=EdGraphPin'EdGraphPin_44803'
Pins(30)=EdGraphPin'EdGraphPin_44804'
Pins(31)=EdGraphPin'EdGraphPin_44805'
Pins(32)=EdGraphPin'EdGraphPin_44806'
Pins(33)=EdGraphPin'EdGraphPin_44807'
Pins(34)=EdGraphPin'EdGraphPin_44808'
Pins(35)=EdGraphPin'EdGraphPin_44809'
Pins(36)=EdGraphPin'EdGraphPin_44810'
Pins(37)=EdGraphPin'EdGraphPin_44811'
Pins(38)=EdGraphPin'EdGraphPin_44812'
Pins(39)=EdGraphPin'EdGraphPin_44813'
Pins(40)=EdGraphPin'EdGraphPin_44814'
Pins(41)=EdGraphPin'EdGraphPin_44815'
Pins(42)=EdGraphPin'EdGraphPin_44816'
Pins(43)=EdGraphPin'EdGraphPin_44817'
Pins(44)=EdGraphPin'EdGraphPin_44818'
Pins(45)=EdGraphPin'EdGraphPin_44819'
Pins(46)=EdGraphPin'EdGraphPin_44820'
Pins(47)=EdGraphPin'EdGraphPin_44821'
Pins(48)=EdGraphPin'EdGraphPin_44822'
Pins(49)=EdGraphPin'EdGraphPin_44823'
Pins(50)=EdGraphPin'EdGraphPin_44824'
Pins(51)=EdGraphPin'EdGraphPin_44825'
Pins(52)=EdGraphPin'EdGraphPin_44826'
Pins(53)=EdGraphPin'EdGraphPin_44827'
Pins(54)=EdGraphPin'EdGraphPin_44828'
Pins(55)=EdGraphPin'EdGraphPin_44829'
Pins(56)=EdGraphPin'EdGraphPin_44830'
Pins(57)=EdGraphPin'EdGraphPin_44831'
Pins(58)=EdGraphPin'EdGraphPin_44832'
Pins(59)=EdGraphPin'EdGraphPin_44833'
Pins(60)=EdGraphPin'EdGraphPin_44834'
Pins(61)=EdGraphPin'EdGraphPin_44835'
NodePosX=2512
NodePosY=-1328
NodeGuid=A1042F7B426778EE7B14AE8761DD6D0C
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29642"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45161"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45160"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45159"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45158"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45157"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45156"
        End Object
    Begin Object Name="EdGraphPin_45161"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45160"

```

```

        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
Begin Object Name="EdGraphPin_45159"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_680.EdGraphPin_46275'
End Object
Begin Object Name="EdGraphPin_45158"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45157"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4591.EdGraphPin_45085'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2542.EdGraphPin_45097'
End Object
Begin Object Name="EdGraphPin_45156"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45156'
Pins(1)=EdGraphPin'EdGraphPin_45157'
Pins(2)=EdGraphPin'EdGraphPin_45158'
Pins(3)=EdGraphPin'EdGraphPin_45159'
Pins(4)=EdGraphPin'EdGraphPin_45160'
Pins(5)=EdGraphPin'EdGraphPin_45161'
NodePosX=1344
NodePosY=-2896
NodeGuid=A230CF2A4B1A014128DF00ACE20A9DDF
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29643"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45179"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45178"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45177"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45176"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45175"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45174"
        End Object
    Begin Object Name="EdGraphPin_45179"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45178"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45177"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1021.EdGraphPin_46287'
    End Object
    Begin Object Name="EdGraphPin_45176"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45175"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2544.EdGraphPin_45121'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2543.EdGraphPin_45109'
    End Object
    Begin Object Name="EdGraphPin_45174"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
        DefaultObject=Default__VictoryBPFFunctionLibrary
    End Object

```

```

        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
    Pins(0)=EdGraphPin'EdGraphPin_45174'
    Pins(1)=EdGraphPin'EdGraphPin_45175'
    Pins(2)=EdGraphPin'EdGraphPin_45176'
    Pins(3)=EdGraphPin'EdGraphPin_45177'
    Pins(4)=EdGraphPin'EdGraphPin_45178'
    Pins(5)=EdGraphPin'EdGraphPin_45179'
    NodePosX=1344
    NodePosY=-2768
    NodeGuid=8F9776BA4F11F473667799A2569A7E43
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29644"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45197"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45196"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45195"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45194"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45193"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45192"
    End Object
    Begin Object Name="EdGraphPin_45197"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45196"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45195"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1023.EdGraphPin_46311'
    End Object
    Begin Object Name="EdGraphPin_45194"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45193"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2546.EdGraphPin_45145'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2545.EdGraphPin_45133'
    End Object
    Begin Object Name="EdGraphPin_45192"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
        DefaultObject=Default...VictoryBPFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
    Pins(0)=EdGraphPin'EdGraphPin_45192'
    Pins(1)=EdGraphPin'EdGraphPin_45193'
    Pins(2)=EdGraphPin'EdGraphPin_45194'
    Pins(3)=EdGraphPin'EdGraphPin_45195'
    Pins(4)=EdGraphPin'EdGraphPin_45196'
    Pins(5)=EdGraphPin'EdGraphPin_45197'
    NodePosX=1344
    NodePosY=-2640
    NodeGuid=F33393D74132C20A612235A56231845D
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2547"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45213"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45212"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45211"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45210"
    End Object
    Begin Object Name="EdGraphPin_45213"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44781'
    End Object
    Begin Object Name="EdGraphPin_45212"

```

```

        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_45211"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29645.EdGraphPin_45283'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45210"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45210'
Pins(1)=EdGraphPin'EdGraphPin_45211'
Pins(2)=EdGraphPin'EdGraphPin_45212'
Pins(3)=EdGraphPin'EdGraphPin_45213'
NodePosX=1968
NodePosY=-2512
NodeGuid=FCFCD6AC4C4647C69B3661B4F90DFA42
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2548"
Begin Object Class=EdGraphPin Name="EdGraphPin_45225"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45224"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45223"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45222"
End Object
Begin Object Name="EdGraphPin_45225"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44782'
End Object
Begin Object Name="EdGraphPin_45224"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45223"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29645.EdGraphPin_45283'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45222"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45222'
Pins(1)=EdGraphPin'EdGraphPin_45223'
Pins(2)=EdGraphPin'EdGraphPin_45224'
Pins(3)=EdGraphPin'EdGraphPin_45225'
NodePosX=1968
NodePosY=-2448
NodeGuid=24AAE52C404FF91951DBA0840A2522D0
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2549"
Begin Object Class=EdGraphPin Name="EdGraphPin_45237"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45236"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45235"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45234"
End Object
Begin Object Name="EdGraphPin_45237"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44784'
End Object
Begin Object Name="EdGraphPin_45236"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45235"
    PinName="TargetArray"

```

```

    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29646.EdGraphPin_45301'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45234"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45234'
Pins(1)=EdGraphPin'EdGraphPin_45235'
Pins(2)=EdGraphPin'EdGraphPin_45236'
Pins(3)=EdGraphPin'EdGraphPin_45237'
NodePosX=1968
NodePosY=-2320
NodeGuid=80923D9546539EFD2D1587A7E472873A
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2550"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45249"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45248"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45247"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45246"
    End Object
    Begin Object Name="EdGraphPin_45249"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44783'
    End Object
    Begin Object Name="EdGraphPin_45248"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45247"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29646.EdGraphPin_45301'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45246"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45246'
    Pins(1)=EdGraphPin'EdGraphPin_45247'
    Pins(2)=EdGraphPin'EdGraphPin_45248'
    Pins(3)=EdGraphPin'EdGraphPin_45249'
    NodePosX=1968
    NodePosY=-2384
    NodeGuid=3333E768403E426F4917EFBB9BF9C208
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2551"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45261"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45260"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45259"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45258"
    End Object
    Begin Object Name="EdGraphPin_45261"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44786'
    End Object
    Begin Object Name="EdGraphPin_45260"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45259"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29647.EdGraphPin_45319'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45258"
        PinName="self"
        PinFriendlyName="Target"

```

```

        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45258'
    Pins(1)=EdGraphPin'EdGraphPin_45259'
    Pins(2)=EdGraphPin'EdGraphPin_45260'
    Pins(3)=EdGraphPin'EdGraphPin_45261'
    NodePosX=1968
    NodePosY=-2192
    NodeGuid=995517714861E7F2D395099B70DE2A3F
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2552"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45273"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45272"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45271"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45270"
        End Object
    Begin Object Name="EdGraphPin_45273"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44785'
    End Object
    Begin Object Name="EdGraphPin_45272"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45271"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29647.EdGraphPin_45319'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45270"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45270'
    Pins(1)=EdGraphPin'EdGraphPin_45271'
    Pins(2)=EdGraphPin'EdGraphPin_45272'
    Pins(3)=EdGraphPin'EdGraphPin_45273'
    NodePosX=1968
    NodePosY=-2256
    NodeGuid=9CC87F5A42F041E891C50F80BC996796
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29645"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45287"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45286"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45285"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45284"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45283"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45282"
        End Object
    Begin Object Name="EdGraphPin_45287"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45286"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45285"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1022.EdGraphPin_46299'
    End Object
    Begin Object Name="EdGraphPin_45284"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
    End Object

```

```

    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45283"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2547.EdGraphPin_45211'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2548.EdGraphPin_45223'
End Object
Begin Object Name="EdGraphPin_45282"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45282'
Pins(1)=EdGraphPin'EdGraphPin_45283'
Pins(2)=EdGraphPin'EdGraphPin_45284'
Pins(3)=EdGraphPin'EdGraphPin_45285'
Pins(4)=EdGraphPin'EdGraphPin_45286'
Pins(5)=EdGraphPin'EdGraphPin_45287'
NodePosX=1344
NodePosY=-2512
NodeGuid=028482F142C2B3E714DC00A25C196498
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29646"
Begin Object Class=EdGraphPin Name="EdGraphPin_45305"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45304"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45303"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45302"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45301"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45300"
End Object
Begin Object Name="EdGraphPin_45305"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45304"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45303"
    PinName="FullPath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1024.EdGraphPin_46323'
End Object
Begin Object Name="EdGraphPin_45302"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45301"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2550.EdGraphPin_45247'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2549.EdGraphPin_45235'
End Object
Begin Object Name="EdGraphPin_45300"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45300'
Pins(1)=EdGraphPin'EdGraphPin_45301'
Pins(2)=EdGraphPin'EdGraphPin_45302'
Pins(3)=EdGraphPin'EdGraphPin_45303'
Pins(4)=EdGraphPin'EdGraphPin_45304'
Pins(5)=EdGraphPin'EdGraphPin_45305'
NodePosX=1344
NodePosY=-2384
NodeGuid=868FAB4A46F995666C0B25958A08C435
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29647"
Begin Object Class=EdGraphPin Name="EdGraphPin_45323"
End Object

```



```

Begin Object Class=EdGraphPin Name="EdGraphPin_45322"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45321"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45320"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45319"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45318"
End Object
Begin Object Name="EdGraphPin_45323"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45322"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45321"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1025.EdGraphPin_46335'
End Object
Begin Object Name="EdGraphPin_45320"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45319"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2552.EdGraphPin_45271'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2551.EdGraphPin_45259'
End Object
Begin Object Name="EdGraphPin_45318"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45318'
Pins(1)=EdGraphPin'EdGraphPin_45319'
Pins(2)=EdGraphPin'EdGraphPin_45320'
Pins(3)=EdGraphPin'EdGraphPin_45321'
Pins(4)=EdGraphPin'EdGraphPin_45322'
Pins(5)=EdGraphPin'EdGraphPin_45323'
NodePosX=1344
NodePosY=-2256
NodeGuid=F2FE7F64487A55031E8C71BC9F9427E9
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2553"
Begin Object Class=EdGraphPin Name="EdGraphPin_45339"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45338"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45337"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45336"
End Object
Begin Object Name="EdGraphPin_45339"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44787'
End Object
Begin Object Name="EdGraphPin_45338"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45337"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29648.EdGraphPin_45409'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45336"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True

```

```

End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45336'
Pins(1)=EdGraphPin'EdGraphPin_45337'
Pins(2)=EdGraphPin'EdGraphPin_45338'
Pins(3)=EdGraphPin'EdGraphPin_45339'
NodePosX=1968
NodePosY=-2128
NodeGuid=6E53443D4A96A48709D321AC7E5A7E05
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2554"
Begin Object Class=EdGraphPin Name="EdGraphPin_45351"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45350"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45349"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45348"
End Object
Begin Object Name="EdGraphPin_45351"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44788'
End Object
Begin Object Name="EdGraphPin_45350"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45349"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29648.EdGraphPin_45409'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45348"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45348'
Pins(1)=EdGraphPin'EdGraphPin_45349'
Pins(2)=EdGraphPin'EdGraphPin_45350'
Pins(3)=EdGraphPin'EdGraphPin_45351'
NodePosX=1968
NodePosY=-2064
NodeGuid=1C72E3CA4DB85B299B3F4290848287FE
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2555"
Begin Object Class=EdGraphPin Name="EdGraphPin_45363"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45362"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45361"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45360"
End Object
Begin Object Name="EdGraphPin_45363"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44790'
End Object
Begin Object Name="EdGraphPin_45362"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45361"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29649.EdGraphPin_45427'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45360"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45360'
Pins(1)=EdGraphPin'EdGraphPin_45361'
Pins(2)=EdGraphPin'EdGraphPin_45362'
Pins(3)=EdGraphPin'EdGraphPin_45363'

```

```

NodePosX=1968
NodePosY=-1936
NodeGuid=404C991A468A604959F317AE31680283
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2556"
Begin Object Class=EdGraphPin Name="EdGraphPin_45375"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45374"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45373"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45372"
End Object
Begin Object Name="EdGraphPin_45375"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44789'
End Object
Begin Object Name="EdGraphPin_45374"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45373"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29649.EdGraphPin_45427'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45372"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45372'
Pins(1)=EdGraphPin'EdGraphPin_45373'
Pins(2)=EdGraphPin'EdGraphPin_45374'
Pins(3)=EdGraphPin'EdGraphPin_45375'
NodePosX=1968
NodePosY=-2000
NodeGuid=C319902749149FE3999196B74EE4A4C9
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2557"
Begin Object Class=EdGraphPin Name="EdGraphPin_45387"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45386"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45385"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45384"
End Object
Begin Object Name="EdGraphPin_45387"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44792'
End Object
Begin Object Name="EdGraphPin_45386"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45385"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29650.EdGraphPin_45445'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45384"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45384'
Pins(1)=EdGraphPin'EdGraphPin_45385'
Pins(2)=EdGraphPin'EdGraphPin_45386'
Pins(3)=EdGraphPin'EdGraphPin_45387'
NodePosX=1968
NodePosY=-1808
NodeGuid=EA39992C4D8268EE0FE40190977037C3
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2558"
Begin Object Class=EdGraphPin Name="EdGraphPin_45399"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_45398"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45397"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45396"
End Object
Begin Object Name="EdGraphPin_45399"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44791'
End Object
Begin Object Name="EdGraphPin_45398"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45397"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29650.EdGraphPin_45445'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45396"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45396'
Pins(1)=EdGraphPin'EdGraphPin_45397'
Pins(2)=EdGraphPin'EdGraphPin_45398'
Pins(3)=EdGraphPin'EdGraphPin_45399'
NodePosX=1968
NodePosY=-1872
NodeGuid=0D8CB09D49722E22357E63B716BABC43
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29648"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45413"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45412"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45411"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45410"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45409"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45408"
    End Object
    Begin Object Name="EdGraphPin_45413"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45412"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45411"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1027.EdGraphPin_46359'
    End Object
    Begin Object Name="EdGraphPin_45410"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45409"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2553.EdGraphPin_45337'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2554.EdGraphPin_45349'
    End Object
    Begin Object Name="EdGraphPin_45408"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Victory8PPLibrary.Victory8PFunctionLibrary')
        DefaultObject=Default__Victory8PFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True

```

```

FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45408'
Pins(1)=EdGraphPin'EdGraphPin_45409'
Pins(2)=EdGraphPin'EdGraphPin_45410'
Pins(3)=EdGraphPin'EdGraphPin_45411'
Pins(4)=EdGraphPin'EdGraphPin_45412'
Pins(5)=EdGraphPin'EdGraphPin_45413'
NodePosX=1344
NodePosY=-2128
NodeGuid=0EEFFB94FFCD9096726FE89EE1B9213
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29649"
Begin Object Class=EdGraphPin Name="EdGraphPin_45431"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45430"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45429"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45428"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45427"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45426"
End Object
Begin Object Name="EdGraphPin_45431"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45430"
PinName="ExcludeEmptyLines"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45429"
PinName="FullFilePath"
PinType=(PinCategory="string")
DefaultValue="Enter Full File Path"
AutogeneratedDefaultValue="Enter Full File Path"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1026.EdGraphPin_46347'
End Object
Begin Object Name="EdGraphPin_45428"
PinName="ArraySize"
Direction=EGPD_Output
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45427"
PinName="StringArray"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2556.EdGraphPin_45373'
LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2555.EdGraphPin_45361'
End Object
Begin Object Name="EdGraphPin_45426"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
DefaultObject=Default__VictoryBPFunctionLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45426'
Pins(1)=EdGraphPin'EdGraphPin_45427'
Pins(2)=EdGraphPin'EdGraphPin_45428'
Pins(3)=EdGraphPin'EdGraphPin_45429'
Pins(4)=EdGraphPin'EdGraphPin_45430'
Pins(5)=EdGraphPin'EdGraphPin_45431'
NodePosX=1344
NodePosY=-2000
NodeGuid=703737ED42E5A4323EA02780D186C85E
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29650"
Begin Object Class=EdGraphPin Name="EdGraphPin_45449"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45448"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45447"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45446"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45445"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45444"
End Object
Begin Object Name="EdGraphPin_45449"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object

```

```

Begin Object Name="EdGraphPin_45448"
  PinName="ExcludeEmptyLines"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45447"
  PinName="FullFilePath"
  PinType=(PinCategory="string")
  DefaultValue="Enter Full File Path"
  AutogeneratedDefaultValue="Enter Full File Path"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1028.EdGraphPin_46371'
End Object
Begin Object Name="EdGraphPin_45446"
  PinName="ArraySize"
  Direction=EGPD_Output
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45445"
  PinName="StringArray"
  Direction=EGPD_Output
  PinType=(PinCategory="string",bIsArray=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2558.EdGraphPin_45397'
  LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2557.EdGraphPin_45385'
End Object
Begin Object Name="EdGraphPin_45444"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
  DefaultObject=Default__VictoryBPFunctionLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45444'
Pins(1)=EdGraphPin'EdGraphPin_45445'
Pins(2)=EdGraphPin'EdGraphPin_45446'
Pins(3)=EdGraphPin'EdGraphPin_45447'
Pins(4)=EdGraphPin'EdGraphPin_45448'
Pins(5)=EdGraphPin'EdGraphPin_45449'
NodePosX=1344
NodePosY=-1872
NodeGuid=9A42E784CD44BC041150C876060ACD2
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2559"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45465"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45464"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45463"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45462"
    End Object
  Begin Object Name="EdGraphPin_45465"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44793'
  End Object
  Begin Object Name="EdGraphPin_45464"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_45463"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29651.EdGraphPin_45535'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_45462"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_45462'
  Pins(1)=EdGraphPin'EdGraphPin_45463'
  Pins(2)=EdGraphPin'EdGraphPin_45464'
  Pins(3)=EdGraphPin'EdGraphPin_45465'
  NodePosX=1968
  NodePosY=-1744
  NodeGuid=EEA4C7284048BA9273CC299E0FE0D332
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2560"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45477"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45476"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45475"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45474"
End Object
Begin Object Name="EdGraphPin_45477"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44794'
End Object
Begin Object Name="EdGraphPin_45476"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45475"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29651.EdGraphPin_45535'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45474"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45474'
Pins(1)=EdGraphPin'EdGraphPin_45475'
Pins(2)=EdGraphPin'EdGraphPin_45476'
Pins(3)=EdGraphPin'EdGraphPin_45477'
NodePosX=1968
NodePosY=-1680
NodeGuid=25A57A5C4CBA4F51335F12B7F19E6D82
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2561"
Begin Object Class=EdGraphPin Name="EdGraphPin_45489"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45488"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45487"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45486"
End Object
Begin Object Name="EdGraphPin_45489"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44796'
End Object
Begin Object Name="EdGraphPin_45488"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45487"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29652.EdGraphPin_45553'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45486"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45486'
Pins(1)=EdGraphPin'EdGraphPin_45487'
Pins(2)=EdGraphPin'EdGraphPin_45488'
Pins(3)=EdGraphPin'EdGraphPin_45489'
NodePosX=1968
NodePosY=-1552
NodeGuid=2FDAF90D4F48B1310AAEC99689C5FEB
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2562"
Begin Object Class=EdGraphPin Name="EdGraphPin_45501"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45500"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45499"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45498"
End Object
Begin Object Name="EdGraphPin_45501"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")

```

```

        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44795'
    End Object
Begin Object Name="EdGraphPin_45500"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45499"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29652.EdGraphPin_45553'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45498"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45498'
Pins(1)=EdGraphPin'EdGraphPin_45499'
Pins(2)=EdGraphPin'EdGraphPin_45500'
Pins(3)=EdGraphPin'EdGraphPin_45501'
NodePosX=1968
NodePosY=-1616
NodeGuid=E5F348D24FDB9FBA1618229D4DC5B469
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2563"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45513"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45512"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45511"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45510"
        End Object
    Begin Object Name="EdGraphPin_45513"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44798'
    End Object
    Begin Object Name="EdGraphPin_45512"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45511"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29653.EdGraphPin_45571'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45510"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45510'
    Pins(1)=EdGraphPin'EdGraphPin_45511'
    Pins(2)=EdGraphPin'EdGraphPin_45512'
    Pins(3)=EdGraphPin'EdGraphPin_45513'
    NodePosX=1968
    NodePosY=-1424
    NodeGuid=417A30E6421FDAD78DBD4C927C18BB52
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2564"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45525"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45524"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45523"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45522"
        End Object
    Begin Object Name="EdGraphPin_45525"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44797'
    End Object
    Begin Object Name="EdGraphPin_45524"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"

```



```

    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45523"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29653.EdGraphPin_45571'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45522"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45522'
Pins(1)=EdGraphPin'EdGraphPin_45523'
Pins(2)=EdGraphPin'EdGraphPin_45524'
Pins(3)=EdGraphPin'EdGraphPin_45525'
NodePosX=1968
NodePosY=-1488
NodeGuid=0430301E40B2DE18FE8BE5B83F908936
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29651"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45539"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45538"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45537"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45536"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45535"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45534"
    End Object
    Begin Object Name="EdGraphPin_45539"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45538"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45537"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1029.EdGraphPin_46383'
    End Object
    Begin Object Name="EdGraphPin_45536"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45535"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2559.EdGraphPin_45463'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2560.EdGraphPin_45475'
    End Object
    Begin Object Name="EdGraphPin_45534"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
        DefaultObject=Default__VictoryBPFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
    Pins(0)=EdGraphPin'EdGraphPin_45534'
    Pins(1)=EdGraphPin'EdGraphPin_45535'
    Pins(2)=EdGraphPin'EdGraphPin_45536'
    Pins(3)=EdGraphPin'EdGraphPin_45537'
    Pins(4)=EdGraphPin'EdGraphPin_45538'
    Pins(5)=EdGraphPin'EdGraphPin_45539'
    NodePosX=1344
    NodePosY=-1744
    NodeGuid=72B5B7494868880A02D706B797847CE7
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29652"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45557"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45556"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45555"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45554"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45553"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45552"
End Object
Begin Object Name="EdGraphPin_45557"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45556"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45555"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1031.EdGraphPin_46407'
End Object
Begin Object Name="EdGraphPin_45554"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45553"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2562.EdGraphPin_45499'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2561.EdGraphPin_45487'
End Object
Begin Object Name="EdGraphPin_45552"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45552'
Pins(1)=EdGraphPin'EdGraphPin_45553'
Pins(2)=EdGraphPin'EdGraphPin_45554'
Pins(3)=EdGraphPin'EdGraphPin_45555'
Pins(4)=EdGraphPin'EdGraphPin_45556'
Pins(5)=EdGraphPin'EdGraphPin_45557'
NodePosX=1344
NodePosY=-1616
NodeGuid=6EA8E0D842BF51849583BC93644CB82B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29653"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45575"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45574"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45573"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45572"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45571"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45570"
    End Object
    Begin Object Name="EdGraphPin_45575"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45574"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45573"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1030.EdGraphPin_46395'
    End Object
    Begin Object Name="EdGraphPin_45572"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")

```

```

        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_45571"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2564.EdGraphPin_45523'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2563.EdGraphPin_45511'
End Object
Begin Object Name="EdGraphPin_45570"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45570'
Pins(1)=EdGraphPin'EdGraphPin_45571'
Pins(2)=EdGraphPin'EdGraphPin_45572'
Pins(3)=EdGraphPin'EdGraphPin_45573'
Pins(4)=EdGraphPin'EdGraphPin_45574'
Pins(5)=EdGraphPin'EdGraphPin_45575'
NodePosX=1344
NodePosY=-1488
NodeGuid=10359C33418962726824C89A0FE0C984
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2529"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45591"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45590"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45589"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45588"
        End Object
    Begin Object Name="EdGraphPin_45591"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44799'
    End Object
    Begin Object Name="EdGraphPin_45590"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45589"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29636.EdGraphPin_45661'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45588"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45588'
    Pins(1)=EdGraphPin'EdGraphPin_45589'
    Pins(2)=EdGraphPin'EdGraphPin_45590'
    Pins(3)=EdGraphPin'EdGraphPin_45591'
    NodePosX=1968
    NodePosY=-1360
    NodeGuid=62585B11490650B2D80241A28827B2B9
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2530"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45603"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45602"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45601"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45600"
        End Object
    Begin Object Name="EdGraphPin_45603"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44800'
    End Object
    Begin Object Name="EdGraphPin_45602"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45601"

```

```

    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29636.EdGraphPin_45661'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45600"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45600'
Pins(1)=EdGraphPin'EdGraphPin_45601'
Pins(2)=EdGraphPin'EdGraphPin_45602'
Pins(3)=EdGraphPin'EdGraphPin_45603'
NodePosX=1968
NodePosY=-1296
NodeGuid=F92609634084E78DC0AF73BD5856BB7E
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2531"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45615"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45614"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45613"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45612"
        End Object
    Begin Object Name="EdGraphPin_45615"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44802'
    End Object
    Begin Object Name="EdGraphPin_45614"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45613"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29637.EdGraphPin_45679'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45612"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45612'
    Pins(1)=EdGraphPin'EdGraphPin_45613'
    Pins(2)=EdGraphPin'EdGraphPin_45614'
    Pins(3)=EdGraphPin'EdGraphPin_45615'
    NodePosX=1968
    NodePosY=-1168
    NodeGuid=A56EF0A84E93659EC32CF8BB508F3486
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2532"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45627"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45626"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45625"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45624"
        End Object
    Begin Object Name="EdGraphPin_45627"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44801'
    End Object
    Begin Object Name="EdGraphPin_45626"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45625"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29637.EdGraphPin_45679'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45624"
        PinName="self"

```

```

    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45624'
Pins(1)=EdGraphPin'EdGraphPin_45625'
Pins(2)=EdGraphPin'EdGraphPin_45626'
Pins(3)=EdGraphPin'EdGraphPin_45627'
NodePosX=1968
NodePosY=-1232
NodeGuid=3E0374224BF76395FAE6D992FFD3057D
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2533"
Begin Object Class=EdGraphPin Name="EdGraphPin_45639"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45638"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45637"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45636"
End Object
Begin Object Name="EdGraphPin_45639"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44804'
End Object
Begin Object Name="EdGraphPin_45638"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45637"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29638.EdGraphPin_45697'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45636"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45636'
Pins(1)=EdGraphPin'EdGraphPin_45637'
Pins(2)=EdGraphPin'EdGraphPin_45638'
Pins(3)=EdGraphPin'EdGraphPin_45639'
NodePosX=1968
NodePosY=-1040
NodeGuid=64AB719D4D34590A51711CB7E0B97757
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2534"
Begin Object Class=EdGraphPin Name="EdGraphPin_45651"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45650"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45649"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45648"
End Object
Begin Object Name="EdGraphPin_45651"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44803'
End Object
Begin Object Name="EdGraphPin_45650"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45649"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29638.EdGraphPin_45697'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45648"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")

```

```

Pins(0)=EdGraphPin'EdGraphPin_45648'
Pins(1)=EdGraphPin'EdGraphPin_45649'
Pins(2)=EdGraphPin'EdGraphPin_45650'
Pins(3)=EdGraphPin'EdGraphPin_45651'
NodePosX=1968
NodePosY=-1104
NodeGuid=3809D5584C0ABB6746A9C7B9AC7E32AC
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29636"
Begin Object Class=EdGraphPin Name="EdGraphPin_45665"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45664"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45663"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45662"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45661"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45660"
End Object
Begin Object Name="EdGraphPin_45665"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45664"
PinName="ExcludeEmptyLines"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45663"
PinName="FullFilePath"
PinType=(PinCategory="string")
DefaultValue="Enter Full File Path"
AutogeneratedDefaultValue="Enter Full File Path"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1032.EdGraphPin_46419'
End Object
Begin Object Name="EdGraphPin_45662"
PinName="ArraySize"
Direction=EGPD_Output
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45661"
PinName="StringArray"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2529.EdGraphPin_45589'
LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2530.EdGraphPin_45601'
End Object
Begin Object Name="EdGraphPin_45660"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
DefaultObject=Default__VictoryBPFunctionLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45660'
Pins(1)=EdGraphPin'EdGraphPin_45661'
Pins(2)=EdGraphPin'EdGraphPin_45662'
Pins(3)=EdGraphPin'EdGraphPin_45663'
Pins(4)=EdGraphPin'EdGraphPin_45664'
Pins(5)=EdGraphPin'EdGraphPin_45665'
NodePosX=1344
NodePosY=-1360
NodeGuid=F3BD7C514ADFD31008602B6980B38DC
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29637"
Begin Object Class=EdGraphPin Name="EdGraphPin_45683"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45682"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45681"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45680"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45679"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45678"
End Object
Begin Object Name="EdGraphPin_45683"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45682"
PinName="ExcludeEmptyLines"
PinType=(PinCategory="bool")

```

```

        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
Begin Object Name="EdGraphPin_45681"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1033.EdGraphPin_46431'
End Object
Begin Object Name="EdGraphPin_45680"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45679"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2532.EdGraphPin_45625'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2531.EdGraphPin_45613'
End Object
Begin Object Name="EdGraphPin_45678"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45678'
Pins(1)=EdGraphPin'EdGraphPin_45679'
Pins(2)=EdGraphPin'EdGraphPin_45680'
Pins(3)=EdGraphPin'EdGraphPin_45681'
Pins(4)=EdGraphPin'EdGraphPin_45682'
Pins(5)=EdGraphPin'EdGraphPin_45683'
NodePosX=1344
NodePosY=-1232
NodeGuid=8EF98D0A4FF7796CA4EE438625E03B2B
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29638"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45701"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45700"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45699"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45698"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45697"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45696"
        End Object
    Begin Object Name="EdGraphPin_45701"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45700"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45699"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1035.EdGraphPin_46455'
    End Object
    Begin Object Name="EdGraphPin_45698"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45697"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2534.EdGraphPin_45649'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2533.EdGraphPin_45637'
    End Object
    Begin Object Name="EdGraphPin_45696"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
        DefaultObject=Default__VictoryBPFFunctionLibrary
        bHidden=True
    End Object
End Object

```

```

bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45696'
Pins(1)=EdGraphPin'EdGraphPin_45697'
Pins(2)=EdGraphPin'EdGraphPin_45698'
Pins(3)=EdGraphPin'EdGraphPin_45699'
Pins(4)=EdGraphPin'EdGraphPin_45700'
Pins(5)=EdGraphPin'EdGraphPin_45701'
NodePosX=1344
NodePosY=-1104
NodeGuid=53768D2B45DA0D7A026EB3B4E66F3E61
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2535"
Begin Object Class=EdGraphPin Name="EdGraphPin_45717"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45716"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45715"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45714"
End Object
Begin Object Name="EdGraphPin_45717"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44805'
End Object
Begin Object Name="EdGraphPin_45716"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45715"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29639.EdGraphPin_45787'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45714"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45714'
Pins(1)=EdGraphPin'EdGraphPin_45715'
Pins(2)=EdGraphPin'EdGraphPin_45716'
Pins(3)=EdGraphPin'EdGraphPin_45717'
NodePosX=1968
NodePosY=-976
NodeGuid=C85E90BD43F7A6EFA9E45BA3125349B5
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2536"
Begin Object Class=EdGraphPin Name="EdGraphPin_45729"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45728"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45727"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45726"
End Object
Begin Object Name="EdGraphPin_45729"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44806'
End Object
Begin Object Name="EdGraphPin_45728"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45727"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29639.EdGraphPin_45787'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45726"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45726'
Pins(1)=EdGraphPin'EdGraphPin_45727'
Pins(2)=EdGraphPin'EdGraphPin_45728'

```



```

Pins(3)=EdGraphPin'EdGraphPin_45729'
NodePosX=1968
NodePosY=-912
NodeGuid=5383AE1B4F49F68262B5779067E0845A
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2537"
Begin Object Class=EdGraphPin Name="EdGraphPin_45741"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45740"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45739"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45738"
End Object
Begin Object Name="EdGraphPin_45741"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44808'
End Object
Begin Object Name="EdGraphPin_45740"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45739"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29640.EdGraphPin_45805'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45738"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45738'
Pins(1)=EdGraphPin'EdGraphPin_45739'
Pins(2)=EdGraphPin'EdGraphPin_45740'
Pins(3)=EdGraphPin'EdGraphPin_45741'
NodePosX=1968
NodePosY=-784
NodeGuid=7FEDD8E5468E53F6BCB67F827F3BB8F3
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2538"
Begin Object Class=EdGraphPin Name="EdGraphPin_45753"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45752"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45751"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45750"
End Object
Begin Object Name="EdGraphPin_45753"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44807'
End Object
Begin Object Name="EdGraphPin_45752"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45751"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29640.EdGraphPin_45805'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45750"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45750'
Pins(1)=EdGraphPin'EdGraphPin_45751'
Pins(2)=EdGraphPin'EdGraphPin_45752'
Pins(3)=EdGraphPin'EdGraphPin_45753'
NodePosX=1968
NodePosY=-848
NodeGuid=5D87DED94A3CE0FFD23446A89BD1185B
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2539"
Begin Object Class=EdGraphPin Name="EdGraphPin_45765"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45764"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45763"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45762"
End Object
Begin Object Name="EdGraphPin_45765"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44810'
End Object
Begin Object Name="EdGraphPin_45764"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45763"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29641.EdGraphPin_45823'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45762"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45762'
Pins(1)=EdGraphPin'EdGraphPin_45763'
Pins(2)=EdGraphPin'EdGraphPin_45764'
Pins(3)=EdGraphPin'EdGraphPin_45765'
NodePosX=1968
NodePosY=-656
NodeGuid=FAE074B64CAF5A96391EA38FC7BBFB7A
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2540"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45777"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45776"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45775"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45774"
    End Object
    Begin Object Name="EdGraphPin_45777"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44809'
    End Object
    Begin Object Name="EdGraphPin_45776"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45775"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29641.EdGraphPin_45823'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45774"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45774'
    Pins(1)=EdGraphPin'EdGraphPin_45775'
    Pins(2)=EdGraphPin'EdGraphPin_45776'
    Pins(3)=EdGraphPin'EdGraphPin_45777'
    NodePosX=1968
    NodePosY=-720
    NodeGuid=3B580D48422089E40549B68E1F7B2509
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29639"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45791"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45790"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45789"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45788"
    End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_45787"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45786"
End Object
Begin Object Name="EdGraphPin_45791"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45790"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45789"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1034.EdGraphPin_46443'
End Object
Begin Object Name="EdGraphPin_45788"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45787"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2535.EdGraphPin_45715'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2536.EdGraphPin_45727'
End Object
Begin Object Name="EdGraphPin_45786"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFfunctionLibrary')
    DefaultObject=Default...VictoryBPFfunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFfunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45786'
Pins(1)=EdGraphPin'EdGraphPin_45787'
Pins(2)=EdGraphPin'EdGraphPin_45788'
Pins(3)=EdGraphPin'EdGraphPin_45789'
Pins(4)=EdGraphPin'EdGraphPin_45790'
Pins(5)=EdGraphPin'EdGraphPin_45791'
NodePosX=1344
NodePosY=-976
NodeGuid=32BC62A7477E9585672480B58274C5D5
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29640"
Begin Object Class=EdGraphPin Name="EdGraphPin_45809"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45808"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45807"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45806"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45805"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45804"
End Object
Begin Object Name="EdGraphPin_45809"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45808"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45807"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1016.EdGraphPin_46467'
End Object
Begin Object Name="EdGraphPin_45806"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object

```

```

Begin Object Name="EdGraphPin_45805"
  PinName="StringArray"
  Direction=EGPD_Output
  PinType=(PinCategory="string",bIsArray=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2538.EdGraphPin_45751'
  LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2537.EdGraphPin_45739'
End Object
Begin Object Name="EdGraphPin_45804"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
  DefaultObject=Default__VictoryBPFunctionLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45804'
Pins(1)=EdGraphPin'EdGraphPin_45805'
Pins(2)=EdGraphPin'EdGraphPin_45806'
Pins(3)=EdGraphPin'EdGraphPin_45807'
Pins(4)=EdGraphPin'EdGraphPin_45808'
Pins(5)=EdGraphPin'EdGraphPin_45809'
NodePosX=1344
NodePosY=-848
NodeGuid=39960F8C4FEE0809C23D8CB7E8168B95
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29641"
Begin Object Class=EdGraphPin Name="EdGraphPin_45827"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45826"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45825"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45824"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45823"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45822"
End Object
Begin Object Name="EdGraphPin_45827"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45826"
  PinName="ExcludeEmptyLines"
  PinType=(PinCategory="bool")
  DefaultValue="false"
  AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_45825"
  PinName="FullPath"
  PinType=(PinCategory="string")
  DefaultValue="Enter Full File Path"
  AutogeneratedDefaultValue="Enter Full File Path"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1017.EdGraphPin_46479'
End Object
Begin Object Name="EdGraphPin_45824"
  PinName="ArraySize"
  Direction=EGPD_Output
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45823"
  PinName="StringArray"
  Direction=EGPD_Output
  PinType=(PinCategory="string",bIsArray=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2540.EdGraphPin_45775'
  LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2539.EdGraphPin_45763'
End Object
Begin Object Name="EdGraphPin_45822"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
  DefaultObject=Default__VictoryBPFunctionLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45822'
Pins(1)=EdGraphPin'EdGraphPin_45823'
Pins(2)=EdGraphPin'EdGraphPin_45824'
Pins(3)=EdGraphPin'EdGraphPin_45825'
Pins(4)=EdGraphPin'EdGraphPin_45826'
Pins(5)=EdGraphPin'EdGraphPin_45827'
NodePosX=1344
NodePosY=-720
NodeGuid=D23627FA46EE82BF74038F97D81FE08D
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2523"
Begin Object Class=EdGraphPin Name="EdGraphPin_45843"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45842"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_45841"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45840"
End Object
Begin Object Name="EdGraphPin_45843"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44811'
End Object
Begin Object Name="EdGraphPin_45842"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45841"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29633.EdGraphPin_45913'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45840"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45840'
Pins(1)=EdGraphPin'EdGraphPin_45841'
Pins(2)=EdGraphPin'EdGraphPin_45842'
Pins(3)=EdGraphPin'EdGraphPin_45843'
NodePosX=1968
NodePosY=-592
NodeGuid=00900848416ABF3220DFCDB87755C273
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2524"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45855"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45854"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45853"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45852"
    End Object
    Begin Object Name="EdGraphPin_45855"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44812'
    End Object
    Begin Object Name="EdGraphPin_45854"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45853"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29633.EdGraphPin_45913'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45852"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45852'
    Pins(1)=EdGraphPin'EdGraphPin_45853'
    Pins(2)=EdGraphPin'EdGraphPin_45854'
    Pins(3)=EdGraphPin'EdGraphPin_45855'
    NodePosX=1968
    NodePosY=-528
    NodeGuid=D035A9EB4A6F239E9F04FB833AFD2D17
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2565"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45867"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45866"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45865"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45864"
    End Object
    Begin Object Name="EdGraphPin_45867"
        PinName="Item"
        Direction=EGPD_Output

```

```

        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44814'
    End Object
Begin Object Name="EdGraphPin_45866"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45865"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29654.EdGraphPin_45931'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45864"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45864'
Pins(1)=EdGraphPin'EdGraphPin_45865'
Pins(2)=EdGraphPin'EdGraphPin_45866'
Pins(3)=EdGraphPin'EdGraphPin_45867'
NodePosX=1968
NodePosY=-400
NodeGuid=8FA72DF341D5F3727468D3934F0D7F44
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2566"
Begin Object Class=EdGraphPin Name="EdGraphPin_45879"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45878"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45877"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45876"
End Object
Begin Object Name="EdGraphPin_45879"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44813'
End Object
Begin Object Name="EdGraphPin_45878"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45877"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29654.EdGraphPin_45931'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45876"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45876'
Pins(1)=EdGraphPin'EdGraphPin_45877'
Pins(2)=EdGraphPin'EdGraphPin_45878'
Pins(3)=EdGraphPin'EdGraphPin_45879'
NodePosX=1968
NodePosY=-464
NodeGuid=8C6639774FDEB3BC0AFA249B5FBCE5F3
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2567"
Begin Object Class=EdGraphPin Name="EdGraphPin_45891"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45890"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45889"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_45888"
End Object
Begin Object Name="EdGraphPin_45891"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44816'
End Object
Begin Object Name="EdGraphPin_45890"
    PinName="Index"
    PinType=(PinCategory="int")

```

```

        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
Begin Object Name="EdGraphPin_45889"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29655.EdGraphPin_45949'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45888"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45888'
Pins(1)=EdGraphPin'EdGraphPin_45889'
Pins(2)=EdGraphPin'EdGraphPin_45890'
Pins(3)=EdGraphPin'EdGraphPin_45891'
NodePosX=1968
NodePosY=-272
NodeGuid=114A47BA4F7988AC3EA6A09BF4E58CA4
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2568"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45903"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45902"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45901"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45900"
        End Object
    Begin Object Name="EdGraphPin_45903"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44815'
    End Object
    Begin Object Name="EdGraphPin_45902"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_45901"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29655.EdGraphPin_45949'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_45900"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45900'
    Pins(1)=EdGraphPin'EdGraphPin_45901'
    Pins(2)=EdGraphPin'EdGraphPin_45902'
    Pins(3)=EdGraphPin'EdGraphPin_45903'
    NodePosX=1968
    NodePosY=-336
    NodeGuid=AB82F90A47D0C67DC68A53A75B1E99FE
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29633"
    Begin Object Class=EdGraphPin Name="EdGraphPin_45917"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45916"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45915"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45914"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45913"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_45912"
        End Object
    Begin Object Name="EdGraphPin_45917"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_45916"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
End Object

```

```

Begin Object Name="EdGraphPin_45915"
  PinName="FullFilePath"
  PinType=(PinCategory="string")
  DefaultValue="Enter Full File Path"
  AutogeneratedDefaultValue="Enter Full File Path"
  LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1019.EdGraphPin_46503'
End Object
Begin Object Name="EdGraphPin_45914"
  PinName="ArraySize"
  Direction=EGPD_Output
  PinType=(PinCategory="int")
  DefaultValue="0"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_45913"
  PinName="StringArray"
  Direction=EGPD_Output
  PinType=(PinCategory="string",bIsArray=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2523.EdGraphPin_45841'
  LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2524.EdGraphPin_45853'
End Object
Begin Object Name="EdGraphPin_45912"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
  DefaultObject=Default__VictoryBPFunctionLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_45912'
Pins(1)=EdGraphPin'EdGraphPin_45913'
Pins(2)=EdGraphPin'EdGraphPin_45914'
Pins(3)=EdGraphPin'EdGraphPin_45915'
Pins(4)=EdGraphPin'EdGraphPin_45916'
Pins(5)=EdGraphPin'EdGraphPin_45917'
NodePosX=1344
NodePosY=-592
NodeGuid=F0A396684A050CBBBF32FA6240416DD
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29654"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45935"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45934"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45933"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45932"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45931"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45930"
    End Object
  Begin Object Name="EdGraphPin_45935"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_45934"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_45933"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1036.EdGraphPin_46491'
  End Object
  Begin Object Name="EdGraphPin_45932"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_45931"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2566.EdGraphPin_45877'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2565.EdGraphPin_45865'
  End Object
  Begin Object Name="EdGraphPin_45930"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
  Pins(0)=EdGraphPin'EdGraphPin_45930'

```



```

Pins(1)=EdGraphPin'EdGraphPin_45931'
Pins(2)=EdGraphPin'EdGraphPin_45932'
Pins(3)=EdGraphPin'EdGraphPin_45933'
Pins(4)=EdGraphPin'EdGraphPin_45934'
Pins(5)=EdGraphPin'EdGraphPin_45935'
NodePosX=1344
NodePosY=-464
NodeGuid=4C6FF0224F126C68B828BAB2AAF06AA2
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29655"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45953"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45952"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45951"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45950"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45949"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45948"
    End Object
  Begin Object Name="EdGraphPin_45953"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_45952"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_45951"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1037.EdGraphPin_46515'
  End Object
  Begin Object Name="EdGraphPin_45950"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_45949"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2568.EdGraphPin_45901'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2567.EdGraphPin_45889'
  End Object
  Begin Object Name="EdGraphPin_45948"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
  Pins(0)=EdGraphPin'EdGraphPin_45948'
  Pins(1)=EdGraphPin'EdGraphPin_45949'
  Pins(2)=EdGraphPin'EdGraphPin_45950'
  Pins(3)=EdGraphPin'EdGraphPin_45951'
  Pins(4)=EdGraphPin'EdGraphPin_45952'
  Pins(5)=EdGraphPin'EdGraphPin_45953'
  NodePosX=1344
  NodePosY=-336
  NodeGuid=A28F83474537D2F8CEB2288156C2D260
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2569"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45969"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45968"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45967"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45966"
    End Object
  Begin Object Name="EdGraphPin_45969"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44817'
  End Object
  Begin Object Name="EdGraphPin_45968"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object

```

```

Begin Object Name="EdGraphPin_45967"
  PinName="TargetArray"
  PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29656.EdGraphPin_46039'
  bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_45966"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
  DefaultObject=Default__KismetArrayLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_45966'
Pins(1)=EdGraphPin'EdGraphPin_45967'
Pins(2)=EdGraphPin'EdGraphPin_45968'
Pins(3)=EdGraphPin'EdGraphPin_45969'
NodePosX=1968
NodePosY=-208
NodeGuid=962CB53F48D93B8446E0378F8B0239AA
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2570"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45981"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45980"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45979"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45978"
    End Object
  Begin Object Name="EdGraphPin_45981"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44818'
  End Object
  Begin Object Name="EdGraphPin_45980"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_45979"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29656.EdGraphPin_46039'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_45978"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_45978'
  Pins(1)=EdGraphPin'EdGraphPin_45979'
  Pins(2)=EdGraphPin'EdGraphPin_45980'
  Pins(3)=EdGraphPin'EdGraphPin_45981'
  NodePosX=1968
  NodePosY=-144
  NodeGuid=64DA76A0445FA8C07ACAE4A526F4AA1C
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2571"
  Begin Object Class=EdGraphPin Name="EdGraphPin_45993"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45992"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45991"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_45990"
    End Object
  Begin Object Name="EdGraphPin_45993"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44820'
  End Object
  Begin Object Name="EdGraphPin_45992"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_45991"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29657.EdGraphPin_46057'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_45990"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_45990'
    Pins(1)=EdGraphPin'EdGraphPin_45991'
    Pins(2)=EdGraphPin'EdGraphPin_45992'
    Pins(3)=EdGraphPin'EdGraphPin_45993'
    NodePosX=1968
    NodePosY=-16
    NodeGuid=6EEA89B94FFCAB85539086B9EA2201C6
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2572"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46005"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46004"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46003"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46002"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46005"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44819'
    End Object
    Begin Object Name="EdGraphPin_46004"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46003"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29657.EdGraphPin_46057'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46002"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46002'
    Pins(1)=EdGraphPin'EdGraphPin_46003'
    Pins(2)=EdGraphPin'EdGraphPin_46004'
    Pins(3)=EdGraphPin'EdGraphPin_46005'
    NodePosX=1968
    NodePosY=-80
    NodeGuid=7C49665948D3487D3DC8B596930AC68C
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2573"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46017"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46016"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46015"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46014"
    End Object
    Begin Object Name="EdGraphPin_46017"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44822'
    End Object
    Begin Object Name="EdGraphPin_46016"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46015"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29658.EdGraphPin_46075'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46014"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True

```

```

FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46014'
Pins(1)=EdGraphPin'EdGraphPin_46015'
Pins(2)=EdGraphPin'EdGraphPin_46016'
Pins(3)=EdGraphPin'EdGraphPin_46017'
NodePosX=1968
NodePosY=112
NodeGuid=73F4D49C40E4092F7DB3E780544F6E76
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2574"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46029"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46028"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46027"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46026"
    End Object
  Begin Object Name="EdGraphPin_46029"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44821'
  End Object
  Begin Object Name="EdGraphPin_46028"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46027"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29658.EdGraphPin_46075'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46026"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_46026'
  Pins(1)=EdGraphPin'EdGraphPin_46027'
  Pins(2)=EdGraphPin'EdGraphPin_46028'
  Pins(3)=EdGraphPin'EdGraphPin_46029'
  NodePosX=1968
  NodePosY=48
  NodeGuid=35260A164B544D258DE686A7BF93CA55
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29656"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46043"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46042"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46041"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46040"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46039"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46038"
    End Object
  Begin Object Name="EdGraphPin_46043"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_46042"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_46041"
    PinName="FullPath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1038.EdGraphPin_46527'
  End Object
  Begin Object Name="EdGraphPin_46040"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46039"
    PinName="StringArray"
    Direction=EGPD_Output

```

```

        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2569.EdGraphPin_45967'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2570.EdGraphPin_45979'
    End Object
Begin Object Name="EdGraphPin_46038"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default___VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46038'
Pins(1)=EdGraphPin'EdGraphPin_46039'
Pins(2)=EdGraphPin'EdGraphPin_46040'
Pins(3)=EdGraphPin'EdGraphPin_46041'
Pins(4)=EdGraphPin'EdGraphPin_46042'
Pins(5)=EdGraphPin'EdGraphPin_46043'
NodePosX=1344
NodePosY=-208
NodeGuid=DD42984F40F6E4CAECAFDFA7338FB417
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29657"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46061"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46060"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46059"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46058"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46057"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46056"
    End Object
    Begin Object Name="EdGraphPin_46061"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46060"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46059"
        PinName="FullPath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1040.EdGraphPin_46551'
    End Object
    Begin Object Name="EdGraphPin_46058"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46057"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2572.EdGraphPin_46003'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2571.EdGraphPin_45991'
    End Object
    Begin Object Name="EdGraphPin_46056"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
        DefaultObject=Default___VictoryBPFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
    Pins(0)=EdGraphPin'EdGraphPin_46056'
    Pins(1)=EdGraphPin'EdGraphPin_46057'
    Pins(2)=EdGraphPin'EdGraphPin_46058'
    Pins(3)=EdGraphPin'EdGraphPin_46059'
    Pins(4)=EdGraphPin'EdGraphPin_46060'
    Pins(5)=EdGraphPin'EdGraphPin_46061'
    NodePosX=1344
    NodePosY=-80
    NodeGuid=68C702E84D16347D2FF20CAA53B3046F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29658"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46079"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46078"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46077"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46076"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46075"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46074"
End Object
Begin Object Name="EdGraphPin_46079"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46078"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46077"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommulativeAssociativeBinaryOperator_1039.EdGraphPin_46539'
End Object
Begin Object Name="EdGraphPin_46076"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46075"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2574.EdGraphPin_46027'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2573.EdGraphPin_46015'
End Object
Begin Object Name="EdGraphPin_46074"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46074'
Pins(1)=EdGraphPin'EdGraphPin_46075'
Pins(2)=EdGraphPin'EdGraphPin_46076'
Pins(3)=EdGraphPin'EdGraphPin_46077'
Pins(4)=EdGraphPin'EdGraphPin_46078'
Pins(5)=EdGraphPin'EdGraphPin_46079'
NodePosX=1344
NodePosY=48
NodeGuid=6D1605354A500E0EBA1A8A87B8FC2F1F
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2525"
Begin Object Class=EdGraphPin Name="EdGraphPin_46095"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46094"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46093"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46092"
End Object
Begin Object Name="EdGraphPin_46095"
    PinName="Item"
    PinToolTip="Item\nString"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44824'
End Object
Begin Object Name="EdGraphPin_46094"
    PinName="Index"
    PinToolTip="Index\nInteger\n\nThe index in the array to get an item from *"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46093"
    PinName="TargetArray"
    PinToolTip="Target Array\nArray of Strings\n\nThe array to get an item from *"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29634.EdGraphPin_46141'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46092"
    PinName="self"
    PinFriendlyName="Target"
    PinToolTip="Target\nKismet Array Library Reference"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object

```

```

bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46092'
Pins(1)=EdGraphPin'EdGraphPin_46093'
Pins(2)=EdGraphPin'EdGraphPin_46094'
Pins(3)=EdGraphPin'EdGraphPin_46095'
NodePosX=1968
NodePosY=240
NodeGuid=0D48E1464D56E2C35D5662A872E06127
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2526"
Begin Object Class=EdGraphPin Name="EdGraphPin_46107"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46106"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46105"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46104"
End Object
Begin Object Name="EdGraphPin_46107"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44823'
End Object
Begin Object Name="EdGraphPin_46106"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46105"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29634.EdGraphPin_46141'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46104"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46104'
Pins(1)=EdGraphPin'EdGraphPin_46105'
Pins(2)=EdGraphPin'EdGraphPin_46106'
Pins(3)=EdGraphPin'EdGraphPin_46107'
NodePosX=1968
NodePosY=176
NodeGuid=69A73BFC4A086DB43774AD9C8C8926E8
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2527"
Begin Object Class=EdGraphPin Name="EdGraphPin_46119"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46118"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46117"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46116"
End Object
Begin Object Name="EdGraphPin_46119"
PinName="Item"
PinToolTip="Item\nString"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44826'
End Object
Begin Object Name="EdGraphPin_46118"
PinName="Index"
PinToolTip="Index\nInteger\n\nThe index in the array to get an item from *"
PinType=(PinCategory="int")
DefaultValue="1"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46117"
PinName="TargetArray"
PinToolTip="Target Array\n\nArray of Strings\n\nThe array to get an item from *"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29635.EdGraphPin_46159'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46116"
PinName="self"
PinFriendlyName="Target"
PinToolTip="Target\nKismet Array Library Reference"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46116'

```

```

Pins(1)=EdGraphPin'EdGraphPin_46117'
Pins(2)=EdGraphPin'EdGraphPin_46118'
Pins(3)=EdGraphPin'EdGraphPin_46119'
NodePosX=1968
NodePosY=368
NodeGuid=966AA6E841C889303DF21DAB956C06B3
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2528"
Begin Object Class=EdGraphPin Name="EdGraphPin_46131"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46130"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46129"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46128"
End Object
Begin Object Name="EdGraphPin_46131"
PinName="Item"
PinToolTip="Item\nString"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue=""
LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44825'
End Object
Begin Object Name="EdGraphPin_46130"
PinName="Index"
PinToolTip="Index\nInteger\n\nThe index in the array to get an item from *"
PinType=(PinCategory="int")
DefaultValue=""
AutogeneratedDefaultValue=""
End Object
Begin Object Name="EdGraphPin_46129"
PinName="TargetArray"
PinToolTip="Target Array\nArray of Strings\n\nThe array to get an item from *"
PinType=(PinCategory="string",bisArray=True,bisReference=True,bisConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29635.EdGraphPin_46159'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46128"
PinName="self"
PinFriendlyName="Target"
PinToolTip="Target\nKismet Array Library Reference"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46128'
Pins(1)=EdGraphPin'EdGraphPin_46129'
Pins(2)=EdGraphPin'EdGraphPin_46130'
Pins(3)=EdGraphPin'EdGraphPin_46131'
NodePosX=1968
NodePosY=304
NodeGuid=352E47144E60B76C230228BD7C117F0F
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29634"
Begin Object Class=EdGraphPin Name="EdGraphPin_46145"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46144"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46143"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46142"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46141"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46140"
End Object
Begin Object Name="EdGraphPin_46145"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46144"
PinName="ExcludeEmptyLines"
PinType=(PinCategory="bool")
DefaultValue="false"
AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46143"
PinName="FullFilePath"
PinType=(PinCategory="string")
DefaultValue="Enter Full File Path"
AutogeneratedDefaultValue="Enter Full File Path"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1018.EdGraphPin_46563'
End Object
Begin Object Name="EdGraphPin_46142"
PinName="ArraySize"
Direction=EGPD_Output
PinType=(PinCategory="int")
DefaultValue=""
AutogeneratedDefaultValue=""
End Object
Begin Object Name="EdGraphPin_46141"

```



```

        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2526.EdGraphPin_46105'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2525.EdGraphPin_46093'
    End Object
Begin Object Name="EdGraphPin_46140"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46140'
Pins(1)=EdGraphPin'EdGraphPin_46141'
Pins(2)=EdGraphPin'EdGraphPin_46142'
Pins(3)=EdGraphPin'EdGraphPin_46143'
Pins(4)=EdGraphPin'EdGraphPin_46144'
Pins(5)=EdGraphPin'EdGraphPin_46145'
NodePosX=1344
NodePosY=176
NodeGuid=3C27A1354007361060AB56B235F10DD6
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_29635"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46163"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46162"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46161"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46160"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46159"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46158"
        End Object
    Begin Object Name="EdGraphPin_46163"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46162"
        PinName="ExcludeEmptyLines"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46161"
        PinName="FullFilePath"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1015.EdGraphPin_46575'
    End Object
    Begin Object Name="EdGraphPin_46160"
        PinName="ArraySize"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46159"
        PinName="StringArray"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2528.EdGraphPin_46129'
        LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2527.EdGraphPin_46117'
    End Object
    Begin Object Name="EdGraphPin_46158"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
        DefaultObject=Default__VictoryBPFFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
    Pins(0)=EdGraphPin'EdGraphPin_46158'
    Pins(1)=EdGraphPin'EdGraphPin_46159'
    Pins(2)=EdGraphPin'EdGraphPin_46160'
    Pins(3)=EdGraphPin'EdGraphPin_46161'
    Pins(4)=EdGraphPin'EdGraphPin_46162'
    Pins(5)=EdGraphPin'EdGraphPin_46163'
    NodePosX=1344
    NodePosY=304
    NodeGuid=9813802846F5D656F7A5A79360ACAAA1
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2505"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46179"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46178"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46177"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46176"
End Object
Begin Object Name="EdGraphPin_46179"
    PinName="Item"
    PinToolTip="Item\nString"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44827'
End Object
Begin Object Name="EdGraphPin_46178"
    PinName="Index"
    PinToolTip="Index\nInteger\n\nThe index in the array to get an item from *"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46177"
    PinName="TargetArray"
    PinToolTip="Target Array\nArray of Strings\n\nThe array to get an item from *"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28904.EdGraphPin_46225'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46176"
    PinName="self"
    PinFriendlyName="Target"
    PinToolTip="Target\nKismet Array Library Reference"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46176'
Pins(1)=EdGraphPin'EdGraphPin_46177'
Pins(2)=EdGraphPin'EdGraphPin_46178'
Pins(3)=EdGraphPin'EdGraphPin_46179'
NodePosX=1968
NodePosY=432
NodeGuid=32B64D7F4DD0FCA0EF9538A0DE19E8B5
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2506"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46191"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46190"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46189"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46188"
    End Object
    Begin Object Name="EdGraphPin_46191"
        PinName="Item"
        PinToolTip="Item\nString"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44828'
    End Object
    Begin Object Name="EdGraphPin_46190"
        PinName="Index"
        PinToolTip="Index\nInteger\n\nThe index in the array to get an item from *"
        PinType=(PinCategory="int")
        DefaultValue="1"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46189"
        PinName="TargetArray"
        PinToolTip="Target Array\nArray of Strings\n\nThe array to get an item from *"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28904.EdGraphPin_46225'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46188"
        PinName="self"
        PinFriendlyName="Target"
        PinToolTip="Target\nKismet Array Library Reference"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46188'
    Pins(1)=EdGraphPin'EdGraphPin_46189'
    Pins(2)=EdGraphPin'EdGraphPin_46190'
    Pins(3)=EdGraphPin'EdGraphPin_46191'
    NodePosX=1968
    NodePosY=496
    NodeGuid=BD8F3FB8480B99470706FFB6484065F2
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2507"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46203"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46202"
    End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_46201"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46200"
End Object
Begin Object Name="EdGraphPin_46203"
  PinName="Item"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  AutogeneratedDefaultValue="0"
  LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44830'
End Object
Begin Object Name="EdGraphPin_46202"
  PinName="Index"
  PinType=(PinCategory="int")
  DefaultValue="1"
  AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46201"
  PinName="TargetArray"
  PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28905.EdGraphPin_46243'
  bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46200"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
  DefaultObject=Default__KismetArrayLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46200'
Pins(1)=EdGraphPin'EdGraphPin_46201'
Pins(2)=EdGraphPin'EdGraphPin_46202'
Pins(3)=EdGraphPin'EdGraphPin_46203'
NodePosX=1968
NodePosY=608
NodeGuid=3258F13F46FF9EF5011797A8564343D7
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2508"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46215"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46214"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46213"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46212"
  End Object
  Begin Object Name="EdGraphPin_46215"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44829'
  End Object
  Begin Object Name="EdGraphPin_46214"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46213"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28905.EdGraphPin_46243'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46212"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_46212'
  Pins(1)=EdGraphPin'EdGraphPin_46213'
  Pins(2)=EdGraphPin'EdGraphPin_46214'
  Pins(3)=EdGraphPin'EdGraphPin_46215'
  NodePosX=1968
  NodePosY=560
  NodeGuid=3688AD834847214627E6578DCA967BA
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_28904"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46229"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46228"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46227"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46226"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46225"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46224"

```

```

End Object
Begin Object Name="EdGraphPin_46229"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46228"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46227"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1014.EdGraphPin_46587'
End Object
Begin Object Name="EdGraphPin_46226"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46225"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2505.EdGraphPin_46177'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2506.EdGraphPin_46189'
End Object
Begin Object Name="EdGraphPin_46224"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary')
    DefaultObject=Default__VictoryBPFFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46224'
Pins(1)=EdGraphPin'EdGraphPin_46225'
Pins(2)=EdGraphPin'EdGraphPin_46226'
Pins(3)=EdGraphPin'EdGraphPin_46227'
Pins(4)=EdGraphPin'EdGraphPin_46228'
Pins(5)=EdGraphPin'EdGraphPin_46229'
NodePosX=1344
NodePosY=432
NodeGuid=96D425E845396938B38996BFA56C2644
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_28905"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46247"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46246"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46245"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46244"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46243"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46242"
        End Object
    Begin Object Name="EdGraphPin_46247"
        PinName="ReturnValue"
        PinToolTip="Return Value\nBoolean"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46246"
        PinName="ExcludeEmptyLines"
        PinToolTip="Exclude Empty Lines\nBoolean"
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"
    End Object
    Begin Object Name="EdGraphPin_46245"
        PinName="FullFilePath"
        PinToolTip="Full File Path\nString"
        PinType=(PinCategory="string")
        DefaultValue="Enter Full File Path"
        AutogeneratedDefaultValue="Enter Full File Path"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1013.EdGraphPin_46599'
    End Object
    Begin Object Name="EdGraphPin_46244"
        PinName="ArraySize"
        PinToolTip="Array Size\nInteger"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"

```

```

End Object
Begin Object Name="EdGraphPin_46243"
    PinName="StringArray"
    PinToolTip="String Array\nArray of Strings"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2508.EdGraphPin_46213'
    LinkedTo(1)=EdGraphPin'K2Node_CallArrayFunction_2507.EdGraphPin_46201'
End Object
Begin Object Name="EdGraphPin_46242"
    PinName="self"
    PinFriendlyName="Target"
    PinToolTip="Target\nVictory BPFunction Library Reference"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46242'
Pins(1)=EdGraphPin'EdGraphPin_46243'
Pins(2)=EdGraphPin'EdGraphPin_46244'
Pins(3)=EdGraphPin'EdGraphPin_46245'
Pins(4)=EdGraphPin'EdGraphPin_46246'
Pins(5)=EdGraphPin'EdGraphPin_46247'
NodePosX=1344
NodePosY=560
NodeGuid=0ED4D7D644523CF083E80B8680AD4464
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4652"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46263"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46262"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46261"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46260"
        End Object
    Begin Object Name="EdGraphPin_46263"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_680.EdGraphPin_46274'
    End Object
    Begin Object Name="EdGraphPin_46262"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46261"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26090.EdGraphPin_43604'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46260"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46260'
    Pins(1)=EdGraphPin'EdGraphPin_46261'
    Pins(2)=EdGraphPin'EdGraphPin_46262'
    Pins(3)=EdGraphPin'EdGraphPin_46263'
    NodePosX=416
    NodePosY=-2864
    NodeGuid=A6D0539243B7FF82BF679199075B71CB
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_680"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46275"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46274"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46273"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46272"
        End Object
    Begin Object Name="EdGraphPin_46275"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29642.EdGraphPin_45159'
    End Object
    Begin Object Name="EdGraphPin_46274"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4652.EdGraphPin_46263'
    End Object
    Begin Object Name="EdGraphPin_46273"
        PinName="A"
        PinType=(PinCategory="string")

```

```

        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
    End Object
    Begin Object Name="EdGraphPin_46272"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46272'
    Pins(1)=EdGraphPin'EdGraphPin_46273'
    Pins(2)=EdGraphPin'EdGraphPin_46274'
    Pins(3)=EdGraphPin'EdGraphPin_46275'
    NodePosX=1088
    NodePosY=-2896
    NodeGuid=755C0A6647A7AB88B262C5B8C1D26FB7
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26076"
    Begin Object Class=EdGraphPin Name="EdGraphPin_43599"
        End Object
        Begin Object Class=EdGraphPin Name="EdGraphPin_43598"
            End Object
            Begin Object Name="EdGraphPin_43599"
                PinName="self"
                PinFriendlyName="Target"
                PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
                bHidden=True
            End Object
            Begin Object Name="EdGraphPin_43598"
                PinName="File_Path"
                Direction=EGPD_Output
                PinType=(PinCategory="string")
                LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_680.EdGraphPin_46273'
                LinkedTo(1)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1021.EdGraphPin_46285'
                LinkedTo(2)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1023.EdGraphPin_46309'
                LinkedTo(3)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1022.EdGraphPin_46297'
                LinkedTo(4)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1024.EdGraphPin_46321'
                LinkedTo(5)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1025.EdGraphPin_46333'
                LinkedTo(6)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1027.EdGraphPin_46357'
                LinkedTo(7)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1026.EdGraphPin_46345'
                LinkedTo(8)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1028.EdGraphPin_46369'
                LinkedTo(9)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1029.EdGraphPin_46381'
                LinkedTo(10)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1031.EdGraphPin_46405'
                LinkedTo(11)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1030.EdGraphPin_46393'
                LinkedTo(12)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1032.EdGraphPin_46417'
                LinkedTo(13)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1033.EdGraphPin_46429'
                LinkedTo(14)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1035.EdGraphPin_46453'
                LinkedTo(15)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1034.EdGraphPin_46441'
                LinkedTo(16)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1016.EdGraphPin_46465'
                LinkedTo(17)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1017.EdGraphPin_46477'
                LinkedTo(18)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1019.EdGraphPin_46501'
                LinkedTo(19)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1036.EdGraphPin_46489'
                LinkedTo(20)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1037.EdGraphPin_46513'
                LinkedTo(21)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1038.EdGraphPin_46525'
                LinkedTo(22)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1040.EdGraphPin_46549'
                LinkedTo(23)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1039.EdGraphPin_46537'
                LinkedTo(24)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1018.EdGraphPin_46561'
                LinkedTo(25)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1015.EdGraphPin_46573'
                LinkedTo(26)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1014.EdGraphPin_46585'
                LinkedTo(27)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1013.EdGraphPin_46597'
            End Object
            VariableReference=(MemberName="File_Path",bSelfContext=True)
            Pins(0)=EdGraphPin'EdGraphPin_43598'
            Pins(1)=EdGraphPin'EdGraphPin_43599'
            NodePosX=608
            NodePosY=-1120
            NodeGuid=077EA89E48E9602AA154FD9B572C6304
        End Object
        Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26090"
            Begin Object Class=EdGraphPin Name="EdGraphPin_43605"
                End Object
                Begin Object Class=EdGraphPin Name="EdGraphPin_43604"
                    End Object
                    Begin Object Name="EdGraphPin_43605"
                        PinName="self"
                        PinFriendlyName="Target"
                        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
                        bHidden=True
                    End Object
                    Begin Object Name="EdGraphPin_43604"
                        PinName="Sets"
                        Direction=EGPD_Output
                        PinType=(PinCategory="string",bIsArray=True)
                        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4652.EdGraphPin_46261'
                    End Object
                    VariableReference=(MemberName="Sets",bSelfContext=True)
                    Pins(0)=EdGraphPin'EdGraphPin_43604'
                    Pins(1)=EdGraphPin'EdGraphPin_43605'
                    NodePosX=240
                    NodePosY=-2864
                    NodeGuid=6DE460A949030ECF74D9119BC94A3E2F
                End Object
                Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1021"
                    Begin Object Class=EdGraphPin Name="EdGraphPin_46287"
                        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_46286"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46285"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46284"
End Object
Begin Object Name="EdGraphPin_46287"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29643.EdGraphPin_45177'
End Object
Begin Object Name="EdGraphPin_46286"
  PinName="B"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4653.EdGraphPin_46611'
End Object
Begin Object Name="EdGraphPin_46285"
  PinName="A"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46284"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
  DefaultObject=Default__KismetStringLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46284'
Pins(1)=EdGraphPin'EdGraphPin_46285'
Pins(2)=EdGraphPin'EdGraphPin_46286'
Pins(3)=EdGraphPin'EdGraphPin_46287'
NodePosX=1088
NodePosY=-2768
NodeGuid=F67665654024A07E55A8F8A41628B888
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1022"
Begin Object Class=EdGraphPin Name="EdGraphPin_46299"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46298"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46297"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46296"
End Object
Begin Object Name="EdGraphPin_46299"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29645.EdGraphPin_45285'
End Object
Begin Object Name="EdGraphPin_46298"
  PinName="B"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4655.EdGraphPin_46635'
End Object
Begin Object Name="EdGraphPin_46297"
  PinName="A"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46296"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
  DefaultObject=Default__KismetStringLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46296'
Pins(1)=EdGraphPin'EdGraphPin_46297'
Pins(2)=EdGraphPin'EdGraphPin_46298'
Pins(3)=EdGraphPin'EdGraphPin_46299'
NodePosX=1088
NodePosY=-2512
NodeGuid=26CBB2ED456768007494B58C7A0284E4
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1023"
Begin Object Class=EdGraphPin Name="EdGraphPin_46311"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46310"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46309"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46308"
End Object
Begin Object Name="EdGraphPin_46311"
  PinName="ReturnValue"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29644.EdGraphPin_45195'
End Object
Begin Object Name="EdGraphPin_46310"

```

```

        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4654.EdGraphPin_46623'
    End Object
Begin Object Name="EdGraphPin_46309"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46308"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46308'
Pins(1)=EdGraphPin'EdGraphPin_46309'
Pins(2)=EdGraphPin'EdGraphPin_46310'
Pins(3)=EdGraphPin'EdGraphPin_46311'
NodePosX=1088
NodePosY=-2640
NodeGuid=C372CA5A4F42468054B408ABE1685EA7
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1024"
Begin Object Class=EdGraphPin Name="EdGraphPin_46323"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46322"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46321"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46320"
End Object
Begin Object Name="EdGraphPin_46323"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29646.EdGraphPin_45303'
End Object
Begin Object Name="EdGraphPin_46322"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4720.EdGraphPin_46647'
End Object
Begin Object Name="EdGraphPin_46321"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46320"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46320'
Pins(1)=EdGraphPin'EdGraphPin_46321'
Pins(2)=EdGraphPin'EdGraphPin_46322'
Pins(3)=EdGraphPin'EdGraphPin_46323'
NodePosX=1088
NodePosY=-2384
NodeGuid=676CDA0E458362BE645A298C25BA08E6
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1025"
Begin Object Class=EdGraphPin Name="EdGraphPin_46335"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46334"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46333"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46332"
End Object
Begin Object Name="EdGraphPin_46335"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29647.EdGraphPin_45321'
End Object
Begin Object Name="EdGraphPin_46334"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4721.EdGraphPin_46659'
End Object
Begin Object Name="EdGraphPin_46333"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46332"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')

```



```

        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46332'
    Pins(1)=EdGraphPin'EdGraphPin_46333'
    Pins(2)=EdGraphPin'EdGraphPin_46334'
    Pins(3)=EdGraphPin'EdGraphPin_46335'
    NodePosX=1088
    NodePosY=-2256
    NodeGuid=FB9A9EFD42049BFA4AEDF68A6E2C4963
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1026"
Begin Object Class=EdGraphPin Name="EdGraphPin_46347"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46346"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46345"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46344"
End Object
Begin Object Name="EdGraphPin_46347"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29649.EdGraphPin_45429'
End Object
Begin Object Name="EdGraphPin_46346"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4723.EdGraphPin_46683'
End Object
Begin Object Name="EdGraphPin_46345"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46344"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46344'
    Pins(1)=EdGraphPin'EdGraphPin_46345'
    Pins(2)=EdGraphPin'EdGraphPin_46346'
    Pins(3)=EdGraphPin'EdGraphPin_46347'
    NodePosX=1088
    NodePosY=-2000
    NodeGuid=E9474DB6490E0853B972D2BE654CE924
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1027"
Begin Object Class=EdGraphPin Name="EdGraphPin_46359"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46358"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46357"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46356"
End Object
Begin Object Name="EdGraphPin_46359"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29648.EdGraphPin_45411'
End Object
Begin Object Name="EdGraphPin_46358"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4722.EdGraphPin_46671'
End Object
Begin Object Name="EdGraphPin_46357"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46356"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46356'
    Pins(1)=EdGraphPin'EdGraphPin_46357'
    Pins(2)=EdGraphPin'EdGraphPin_46358'
    Pins(3)=EdGraphPin'EdGraphPin_46359'
    NodePosX=1088
    NodePosY=-2128
    NodeGuid=FE01CBED49D8073EB154C487F5D81394
End Object

```

```

Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1028"
Begin Object Class=EdGraphPin Name="EdGraphPin_46371"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46370"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46369"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46368"
End Object
Begin Object Name="EdGraphPin_46371"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29650.EdGraphPin_45447'
End Object
Begin Object Name="EdGraphPin_46370"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4724.EdGraphPin_46695'
End Object
Begin Object Name="EdGraphPin_46369"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46368"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46368'
Pins(1)=EdGraphPin'EdGraphPin_46369'
Pins(2)=EdGraphPin'EdGraphPin_46370'
Pins(3)=EdGraphPin'EdGraphPin_46371'
NodePosX=1088
NodePosY=-1872
NodeGuid=A91A4AEC4CF53074FAAC890EF0680
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1029"
Begin Object Class=EdGraphPin Name="EdGraphPin_46383"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46382"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46381"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46380"
End Object
Begin Object Name="EdGraphPin_46383"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29651.EdGraphPin_45537'
End Object
Begin Object Name="EdGraphPin_46382"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4725.EdGraphPin_46707'
End Object
Begin Object Name="EdGraphPin_46381"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46380"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46380'
Pins(1)=EdGraphPin'EdGraphPin_46381'
Pins(2)=EdGraphPin'EdGraphPin_46382'
Pins(3)=EdGraphPin'EdGraphPin_46383'
NodePosX=1088
NodePosY=-1744
NodeGuid=DF654EF440610327E6FE9FAF74A22259
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1030"
Begin Object Class=EdGraphPin Name="EdGraphPin_46395"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46394"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46393"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46392"
End Object
Begin Object Name="EdGraphPin_46395"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29653.EdGraphPin_45573'
End Object
Begin Object Name="EdGraphPin_46394"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4727.EdGraphPin_46731'
End Object
Begin Object Name="EdGraphPin_46393"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46392"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46392'
Pins(1)=EdGraphPin'EdGraphPin_46393'
Pins(2)=EdGraphPin'EdGraphPin_46394'
Pins(3)=EdGraphPin'EdGraphPin_46395'
NodePosX=1088
NodePosY=-1488
NodeGuid=5B3444074F247924D1E3A88E86E592D4
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1031"
Begin Object Class=EdGraphPin Name="EdGraphPin_46407"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46406"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46405"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46404"
End Object
Begin Object Name="EdGraphPin_46407"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29652.EdGraphPin_45555'
End Object
Begin Object Name="EdGraphPin_46406"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4726.EdGraphPin_46719'
End Object
Begin Object Name="EdGraphPin_46405"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46404"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46404'
Pins(1)=EdGraphPin'EdGraphPin_46405'
Pins(2)=EdGraphPin'EdGraphPin_46406'
Pins(3)=EdGraphPin'EdGraphPin_46407'
NodePosX=1088
NodePosY=-1616
NodeGuid=B5D87FF347553D7E5381EC9BE601934C
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1032"
Begin Object Class=EdGraphPin Name="EdGraphPin_46419"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46418"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46417"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46416"
End Object
Begin Object Name="EdGraphPin_46419"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29636.EdGraphPin_45663'
End Object
Begin Object Name="EdGraphPin_46418"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4728.EdGraphPin_46743'
End Object
Begin Object Name="EdGraphPin_46417"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46416"

```

```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46416'
    Pins(1)=EdGraphPin'EdGraphPin_46417'
    Pins(2)=EdGraphPin'EdGraphPin_46418'
    Pins(3)=EdGraphPin'EdGraphPin_46419'
    NodePosX=1088
    NodePosY=-1360
    NodeGuid=6C9E87444942F29AC686C89366118A7C
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1033"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46431"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46430"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46429"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46428"
    End Object
    Begin Object Name="EdGraphPin_46431"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29637.EdGraphPin_45681'
    End Object
    Begin Object Name="EdGraphPin_46430"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4729.EdGraphPin_46755'
    End Object
    Begin Object Name="EdGraphPin_46429"
        PinName="A"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
    End Object
    Begin Object Name="EdGraphPin_46428"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46428'
    Pins(1)=EdGraphPin'EdGraphPin_46429'
    Pins(2)=EdGraphPin'EdGraphPin_46430'
    Pins(3)=EdGraphPin'EdGraphPin_46431'
    NodePosX=1088
    NodePosY=-1232
    NodeGuid=DFFEA41846AFED88129B51925D60C876
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1034"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46443"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46442"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46441"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46440"
    End Object
    Begin Object Name="EdGraphPin_46443"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29639.EdGraphPin_45789'
    End Object
    Begin Object Name="EdGraphPin_46442"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4731.EdGraphPin_46779'
    End Object
    Begin Object Name="EdGraphPin_46441"
        PinName="A"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
    End Object
    Begin Object Name="EdGraphPin_46440"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46440'
    Pins(1)=EdGraphPin'EdGraphPin_46441'
    Pins(2)=EdGraphPin'EdGraphPin_46442'
    Pins(3)=EdGraphPin'EdGraphPin_46443'
    NodePosX=1088

```

```

NodePosY=-976
NodeGuid=351446E14758A3ED06509C923CF76CD0
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1035"
Begin Object Class=EdGraphPin Name="EdGraphPin_46455"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46454"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46453"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46452"
End Object
Begin Object Name="EdGraphPin_46455"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29638.EdGraphPin_45699'
End Object
Begin Object Name="EdGraphPin_46454"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4730.EdGraphPin_46767'
End Object
Begin Object Name="EdGraphPin_46453"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46452"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46452'
Pins(1)=EdGraphPin'EdGraphPin_46453'
Pins(2)=EdGraphPin'EdGraphPin_46454'
Pins(3)=EdGraphPin'EdGraphPin_46455'
NodePosX=1088
NodePosY=-1104
NodeGuid=73CBB1644EC5491AE00E238CF9C3D084
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1016"
Begin Object Class=EdGraphPin Name="EdGraphPin_46467"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46466"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46465"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46464"
End Object
Begin Object Name="EdGraphPin_46467"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29640.EdGraphPin_45807'
End Object
Begin Object Name="EdGraphPin_46466"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4732.EdGraphPin_46791'
End Object
Begin Object Name="EdGraphPin_46465"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46464"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46464'
Pins(1)=EdGraphPin'EdGraphPin_46465'
Pins(2)=EdGraphPin'EdGraphPin_46466'
Pins(3)=EdGraphPin'EdGraphPin_46467'
NodePosX=1088
NodePosY=-848
NodeGuid=7DDCCF4C4F4CC52AFD96A3B088D6AAAD
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1017"
Begin Object Class=EdGraphPin Name="EdGraphPin_46479"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46478"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46477"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46476"
End Object
Begin Object Name="EdGraphPin_46479"

```

```

        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29641.EdGraphPin_45825'
    End Object
Begin Object Name="EdGraphPin_46478"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4733.EdGraphPin_46803'
End Object
Begin Object Name="EdGraphPin_46477"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46476"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46476'
Pins(1)=EdGraphPin'EdGraphPin_46477'
Pins(2)=EdGraphPin'EdGraphPin_46478'
Pins(3)=EdGraphPin'EdGraphPin_46479'
NodePosX=1088
NodePosY=-720
NodeGuid=0F9EFD4F4977522A8A0C6D82EFBEF22E
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1036"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46491"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46490"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46489"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46488"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46487"
        End Object
    Begin Object Name="EdGraphPin_46491"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29654.EdGraphPin_45933'
    End Object
    Begin Object Name="EdGraphPin_46490"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4735.EdGraphPin_46827'
    End Object
    Begin Object Name="EdGraphPin_46489"
        PinName="A"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
    End Object
    Begin Object Name="EdGraphPin_46488"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_46488'
    Pins(1)=EdGraphPin'EdGraphPin_46489'
    Pins(2)=EdGraphPin'EdGraphPin_46490'
    Pins(3)=EdGraphPin'EdGraphPin_46491'
    NodePosX=1088
    NodePosY=-464
    NodeGuid=51A6B6184498526B7AD7B48AD224563E
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1019"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46503"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46502"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46501"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46500"
        End Object
    Begin Object Name="EdGraphPin_46503"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29633.EdGraphPin_45915'
    End Object
    Begin Object Name="EdGraphPin_46502"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4734.EdGraphPin_46815'
    End Object
    Begin Object Name="EdGraphPin_46501"
        PinName="A"
        PinType=(PinCategory="string")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46500"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46500'
Pins(1)=EdGraphPin'EdGraphPin_46501'
Pins(2)=EdGraphPin'EdGraphPin_46502'
Pins(3)=EdGraphPin'EdGraphPin_46503'
NodePosX=1088
NodePosY=-592
NodeGuid=5D92136445EB43C7727E109C0C554232
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1037"
Begin Object Class=EdGraphPin Name="EdGraphPin_46515"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46514"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46513"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46512"
End Object
Begin Object Name="EdGraphPin_46515"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29655.EdGraphPin_45951'
End Object
Begin Object Name="EdGraphPin_46514"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4736.EdGraphPin_46839'
End Object
Begin Object Name="EdGraphPin_46513"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46512"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46512'
Pins(1)=EdGraphPin'EdGraphPin_46513'
Pins(2)=EdGraphPin'EdGraphPin_46514'
Pins(3)=EdGraphPin'EdGraphPin_46515'
NodePosX=1088
NodePosY=-336
NodeGuid=4020AA3A4CC3DA9A2D8B4C8F6E1FA961
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1038"
Begin Object Class=EdGraphPin Name="EdGraphPin_46527"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46526"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46525"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46524"
End Object
Begin Object Name="EdGraphPin_46527"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29656.EdGraphPin_46041'
End Object
Begin Object Name="EdGraphPin_46526"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4737.EdGraphPin_46851'
End Object
Begin Object Name="EdGraphPin_46525"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46524"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46524'
Pins(1)=EdGraphPin'EdGraphPin_46525'

```

```

Pins(2)=EdGraphPin'EdGraphPin_46526'
Pins(3)=EdGraphPin'EdGraphPin_46527'
NodePosX=1088
NodePosY=-208
NodeGuid=B03F882D4A5910F18ED93584B7869C64
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1039"
Begin Object Class=EdGraphPin Name="EdGraphPin_46539"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46538"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46537"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46536"
End Object
Begin Object Name="EdGraphPin_46539"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29658.EdGraphPin_46077'
End Object
Begin Object Name="EdGraphPin_46538"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4739.EdGraphPin_46875'
End Object
Begin Object Name="EdGraphPin_46537"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46536"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46536'
Pins(1)=EdGraphPin'EdGraphPin_46537'
Pins(2)=EdGraphPin'EdGraphPin_46538'
Pins(3)=EdGraphPin'EdGraphPin_46539'
NodePosX=1088
NodePosY=48
NodeGuid=9EFC92D144E163A275044C8FB145B9AC
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1040"
Begin Object Class=EdGraphPin Name="EdGraphPin_46551"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46550"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46549"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46548"
End Object
Begin Object Name="EdGraphPin_46551"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29657.EdGraphPin_46059'
End Object
Begin Object Name="EdGraphPin_46550"
PinName="B"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4738.EdGraphPin_46863'
End Object
Begin Object Name="EdGraphPin_46549"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46548"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46548'
Pins(1)=EdGraphPin'EdGraphPin_46549'
Pins(2)=EdGraphPin'EdGraphPin_46550'
Pins(3)=EdGraphPin'EdGraphPin_46551'
NodePosX=1088
NodePosY=-80
NodeGuid=D5D231574F027790718B9590F3400AAF
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1018"
Begin Object Class=EdGraphPin Name="EdGraphPin_46563"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46562"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46561"
End Object

```



```

Begin Object Class=EdGraphPin Name="EdGraphPin_46560"
End Object
Begin Object Name="EdGraphPin_46563"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29634.EdGraphPin_46143'
End Object
Begin Object Name="EdGraphPin_46562"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4650.EdGraphPin_46887'
End Object
Begin Object Name="EdGraphPin_46561"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46560"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46560'
Pins(1)=EdGraphPin'EdGraphPin_46561'
Pins(2)=EdGraphPin'EdGraphPin_46562'
Pins(3)=EdGraphPin'EdGraphPin_46563'
NodePosX=1088
NodePosY=176
NodeGuid=73E8317C4C51904912C5C3A961E41D07
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1015"
Begin Object Class=EdGraphPin Name="EdGraphPin_46575"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46574"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46573"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46572"
End Object
Begin Object Name="EdGraphPin_46575"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_29635.EdGraphPin_46161'
End Object
Begin Object Name="EdGraphPin_46574"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4651.EdGraphPin_46899'
End Object
Begin Object Name="EdGraphPin_46573"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46572"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46572'
Pins(1)=EdGraphPin'EdGraphPin_46573'
Pins(2)=EdGraphPin'EdGraphPin_46574'
Pins(3)=EdGraphPin'EdGraphPin_46575'
NodePosX=1088
NodePosY=304
NodeGuid=98985BCC4663161FEC7AF48FAA2B2E6D
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1014"
Begin Object Class=EdGraphPin Name="EdGraphPin_46587"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46586"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46585"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46584"
End Object
Begin Object Name="EdGraphPin_46587"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28904.EdGraphPin_46227'
End Object
Begin Object Name="EdGraphPin_46586"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4649.EdGraphPin_46911'
End Object

```

```

Begin Object Name="EdGraphPin_46585"
  PinName="A"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
End Object
Begin Object Name="EdGraphPin_46584"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
  DefaultObject=Default__KismetStringLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_46584'
Pins(1)=EdGraphPin'EdGraphPin_46585'
Pins(2)=EdGraphPin'EdGraphPin_46586'
Pins(3)=EdGraphPin'EdGraphPin_46587'
NodePosX=1088
NodePosY=432
NodeGuid=69B6B7F843F17EDECBDAB3BEDDE72739
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1013"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46599"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46598"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46597"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46596"
    End Object
  Begin Object Name="EdGraphPin_46599"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_28905.EdGraphPin_46245'
  End Object
  Begin Object Name="EdGraphPin_46598"
    PinName="B"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2541.EdGraphPin_46923'
  End Object
  Begin Object Name="EdGraphPin_46597"
    PinName="A"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26076.EdGraphPin_43598'
  End Object
  Begin Object Name="EdGraphPin_46596"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
  Pins(0)=EdGraphPin'EdGraphPin_46596'
  Pins(1)=EdGraphPin'EdGraphPin_46597'
  Pins(2)=EdGraphPin'EdGraphPin_46598'
  Pins(3)=EdGraphPin'EdGraphPin_46599'
  NodePosX=1088
  NodePosY=560
  NodeGuid=B659F3D3422A686479F72F8C5B988738
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4653"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46611"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46610"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46609"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46608"
    End Object
  Begin Object Name="EdGraphPin_46611"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1021.EdGraphPin_46286'
  End Object
  Begin Object Name="EdGraphPin_46610"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="1"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46609"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26091.EdGraphPin_43946'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46608"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary

```

```

        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46608'
    Pins(1)=EdGraphPin'EdGraphPin_46609'
    Pins(2)=EdGraphPin'EdGraphPin_46610'
    Pins(3)=EdGraphPin'EdGraphPin_46611'
    NodePosX=416
    NodePosY=-2736
    NodeGuid=541A62004BFD3B5DBC1EC5BBA88B62CC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26091"
    Begin Object Class=EdGraphPin Name="EdGraphPin_43947"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_43946"
    End Object
    Begin Object Name="EdGraphPin_43947"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_43946"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4653.EdGraphPin_46609'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_43946'
    Pins(1)=EdGraphPin'EdGraphPin_43947'
    NodePosX=240
    NodePosY=-2736
    NodeGuid=3EC53EBD441D81F3D3FC7E8971D585E1
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4654"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46623"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46622"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46621"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46620"
    End Object
    Begin Object Name="EdGraphPin_46623"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1023.EdGraphPin_46310'
    End Object
    Begin Object Name="EdGraphPin_46622"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="2"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46621"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26092.EdGraphPin_43964'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46620"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46620'
    Pins(1)=EdGraphPin'EdGraphPin_46621'
    Pins(2)=EdGraphPin'EdGraphPin_46622'
    Pins(3)=EdGraphPin'EdGraphPin_46623'
    NodePosX=416
    NodePosY=-2608
    NodeGuid=22D2F24B42DED5643FE4EEA372AF9C88
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26092"
    Begin Object Class=EdGraphPin Name="EdGraphPin_43965"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_43964"
    End Object
    Begin Object Name="EdGraphPin_43965"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_43964"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4654.EdGraphPin_46621'

```

```

End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_43964'
Pins(1)=EdGraphPin'EdGraphPin_43965'
NodePosX=240
NodePosY=-2608
NodeGuid=918CCCB74241AF432987FD6D08B9A6BB
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4655"
Begin Object Class=EdGraphPin Name="EdGraphPin_46635"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46634"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46633"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46632"
End Object
Begin Object Name="EdGraphPin_46635"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1022.EdGraphPin_46298'
End Object
Begin Object Name="EdGraphPin_46634"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="3"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46633"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26093.EdGraphPin_43982'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46632"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46632'
Pins(1)=EdGraphPin'EdGraphPin_46633'
Pins(2)=EdGraphPin'EdGraphPin_46634'
Pins(3)=EdGraphPin'EdGraphPin_46635'
NodePosX=416
NodePosY=-2480
NodeGuid=8CC6925444EDB29244397B9284571712
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26093"
Begin Object Class=EdGraphPin Name="EdGraphPin_43983"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_43982"
End Object
Begin Object Name="EdGraphPin_43983"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_43982"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4655.EdGraphPin_46633'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_43982'
Pins(1)=EdGraphPin'EdGraphPin_43983'
NodePosX=240
NodePosY=-2480
NodeGuid=B6402D10400377D24B037798C82DC0A6
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4720"
Begin Object Class=EdGraphPin Name="EdGraphPin_46647"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46646"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46645"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46644"
End Object
Begin Object Name="EdGraphPin_46647"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1024.EdGraphPin_46322'
End Object
Begin Object Name="EdGraphPin_46646"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="4"

```

```

    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46645"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26105.EdGraphPin_44000'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46644"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46644'
Pins(1)=EdGraphPin'EdGraphPin_46645'
Pins(2)=EdGraphPin'EdGraphPin_46646'
Pins(3)=EdGraphPin'EdGraphPin_46647'
NodePosX=416
NodePosY=-2352
NodeGuid=C0F5D25C499809A79CCFA3A56AF6CD1A
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26105"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44001"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44000"
        End Object
    Begin Object Name="EdGraphPin_44001"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44000"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4720.EdGraphPin_46645'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44000'
    Pins(1)=EdGraphPin'EdGraphPin_44001'
    NodePosX=240
    NodePosY=-2352
    NodeGuid=E05CCCD84887B2E25C57F2B074906C5B
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4721"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46659"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46658"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46657"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46656"
        End Object
    Begin Object Name="EdGraphPin_46659"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1025.EdGraphPin_46334'
    End Object
    Begin Object Name="EdGraphPin_46658"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="5"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46657"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26106.EdGraphPin_44018'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46656"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46656'
    Pins(1)=EdGraphPin'EdGraphPin_46657'
    Pins(2)=EdGraphPin'EdGraphPin_46658'
    Pins(3)=EdGraphPin'EdGraphPin_46659'
    NodePosX=416
    NodePosY=-2224
    NodeGuid=3B5B3E744A327E3EFE5B8F8CE69518A4
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26106"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44019"
        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_44018"
End Object
Begin Object Name="EdGraphPin_44019"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44018"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4721.EdGraphPin_46657'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44018'
Pins(1)=EdGraphPin'EdGraphPin_44019'
NodePosX=240
NodePosY=-2224
NodeGuid=0EF167EA41D907220EAFD97321E43FB
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4722"
Begin Object Class=EdGraphPin Name="EdGraphPin_46671"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46670"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46669"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46668"
End Object
Begin Object Name="EdGraphPin_46671"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1027.EdGraphPin_46358'
End Object
Begin Object Name="EdGraphPin_46670"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="6"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46669"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26107.EdGraphPin_44036'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46668"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46668'
Pins(1)=EdGraphPin'EdGraphPin_46669'
Pins(2)=EdGraphPin'EdGraphPin_46670'
Pins(3)=EdGraphPin'EdGraphPin_46671'
NodePosX=416
NodePosY=-2096
NodeGuid=9096DD924A1B47B7DF5B2DA76A8E019C
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26107"
Begin Object Class=EdGraphPin Name="EdGraphPin_44037"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44036"
End Object
Begin Object Name="EdGraphPin_44037"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44036"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4722.EdGraphPin_46669'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44036'
Pins(1)=EdGraphPin'EdGraphPin_44037'
NodePosX=240
NodePosY=-2096
NodeGuid=5FEA395E4027F7ACAE77F5A89AD5EF6B
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4723"
Begin Object Class=EdGraphPin Name="EdGraphPin_46683"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46682"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46681"
End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_46680"
End Object
Begin Object Name="EdGraphPin_46683"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1026.EdGraphPin_46346'
End Object
Begin Object Name="EdGraphPin_46682"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="7"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46681"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26108.EdGraphPin_44054'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46680"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46680'
Pins(1)=EdGraphPin'EdGraphPin_46681'
Pins(2)=EdGraphPin'EdGraphPin_46682'
Pins(3)=EdGraphPin'EdGraphPin_46683'
NodePosX=416
NodePosY=-1968
NodeGuid=DA860E4A4663B0746EE5F2A4230523AC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26108"
Begin Object Class=EdGraphPin Name="EdGraphPin_44055"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44054"
End Object
Begin Object Name="EdGraphPin_44055"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level199.Level199_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44054"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4723.EdGraphPin_46681'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44054'
Pins(1)=EdGraphPin'EdGraphPin_44055'
NodePosX=240
NodePosY=-1968
NodeGuid=5B45B6A941270B285F68ECB464FA8368
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4724"
Begin Object Class=EdGraphPin Name="EdGraphPin_46695"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46694"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46693"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46692"
End Object
Begin Object Name="EdGraphPin_46695"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1028.EdGraphPin_46370'
End Object
Begin Object Name="EdGraphPin_46694"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="8"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46693"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26109.EdGraphPin_44072'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46692"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object

```

```

bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46692'
Pins(1)=EdGraphPin'EdGraphPin_46693'
Pins(2)=EdGraphPin'EdGraphPin_46694'
Pins(3)=EdGraphPin'EdGraphPin_46695'
NodePosX=416
NodePosY=-1840
NodeGuid=A1B86CD4B37DC4BC0B04899ED5CE3F1
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26109"
Begin Object Class=EdGraphPin Name="EdGraphPin_44073"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44072"
End Object
Begin Object Name="EdGraphPin_44073"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44072"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4724.EdGraphPin_46693'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44072'
Pins(1)=EdGraphPin'EdGraphPin_44073'
NodePosX=240
NodePosY=-1840
NodeGuid=189E6F474C8CEDB93718FFB26F96ECE3
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4725"
Begin Object Class=EdGraphPin Name="EdGraphPin_46707"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46706"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46705"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46704"
End Object
Begin Object Name="EdGraphPin_46707"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1029.EdGraphPin_46382'
End Object
Begin Object Name="EdGraphPin_46706"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="9"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46705"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26110.EdGraphPin_44090'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46704"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46704'
Pins(1)=EdGraphPin'EdGraphPin_46705'
Pins(2)=EdGraphPin'EdGraphPin_46706'
Pins(3)=EdGraphPin'EdGraphPin_46707'
NodePosX=416
NodePosY=-1712
NodeGuid=A7895388427DECBAC261629B06A3AE47
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26110"
Begin Object Class=EdGraphPin Name="EdGraphPin_44091"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44090"
End Object
Begin Object Name="EdGraphPin_44091"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44090"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4725.EdGraphPin_46705'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)

```



```

Pins(0)=EdGraphPin'EdGraphPin_44090'
Pins(1)=EdGraphPin'EdGraphPin_44091'
NodePosX=240
NodePosY=-1712
NodeGuid=90C340214667C1904E0969BC3302A360
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4726"
Begin Object Class=EdGraphPin Name="EdGraphPin_46719"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46718"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46717"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46716"
End Object
Begin Object Name="EdGraphPin_46719"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1031.EdGraphPin_46406'
End Object
Begin Object Name="EdGraphPin_46718"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="10"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46717"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26111.EdGraphPin_44108'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46716"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46716'
Pins(1)=EdGraphPin'EdGraphPin_46717'
Pins(2)=EdGraphPin'EdGraphPin_46718'
Pins(3)=EdGraphPin'EdGraphPin_46719'
NodePosX=416
NodePosY=-1584
NodeGuid=01247CD64CB474A658DE488537DC8904
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26111"
Begin Object Class=EdGraphPin Name="EdGraphPin_44109"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44108"
End Object
Begin Object Name="EdGraphPin_44109"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44108"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4726.EdGraphPin_46717'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44108'
Pins(1)=EdGraphPin'EdGraphPin_44109'
NodePosX=240
NodePosY=-1584
NodeGuid=DD1E36144337881DDCDD5590EEEC8E0E
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4727"
Begin Object Class=EdGraphPin Name="EdGraphPin_46731"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46730"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46729"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46728"
End Object
Begin Object Name="EdGraphPin_46731"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1030.EdGraphPin_46394'
End Object
Begin Object Name="EdGraphPin_46730"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="11"
AutogeneratedDefaultValue="0"
End Object

```

```

Begin Object Name="EdGraphPin_46729"
  PinName="TargetArray"
  PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
  LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26112.EdGraphPin_44126'
  bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46728"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
  DefaultObject=Default__KismetArrayLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46728'
Pins(1)=EdGraphPin'EdGraphPin_46729'
Pins(2)=EdGraphPin'EdGraphPin_46730'
Pins(3)=EdGraphPin'EdGraphPin_46731'
NodePosX=416
NodePosY=-1456
NodeGuid=1948C76A422DBED4119825A0DCD0A45E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26112"
  Begin Object Class=EdGraphPin Name="EdGraphPin_44127"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_44126"
    End Object
  Begin Object Name="EdGraphPin_44127"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_44126"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4727.EdGraphPin_46729'
  End Object
  VariableReference=(MemberName="Sets",bSelfContext=True)
  Pins(0)=EdGraphPin'EdGraphPin_44126'
  Pins(1)=EdGraphPin'EdGraphPin_44127'
  NodePosX=240
  NodePosY=-1456
  NodeGuid=7B087BE34FFBD8E97E8033BCBD45333E
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4728"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46743"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46742"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46741"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46740"
    End Object
  Begin Object Name="EdGraphPin_46743"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1032.EdGraphPin_46418'
  End Object
  Begin Object Name="EdGraphPin_46742"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="12"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46741"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26117.EdGraphPin_44144'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46740"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_46740'
  Pins(1)=EdGraphPin'EdGraphPin_46741'
  Pins(2)=EdGraphPin'EdGraphPin_46742'
  Pins(3)=EdGraphPin'EdGraphPin_46743'
  NodePosX=416
  NodePosY=-1328
  NodeGuid=AE817F23404207217D80C8A4E2631F01
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26117"
  Begin Object Class=EdGraphPin Name="EdGraphPin_44145"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_44144"
    End Object

```

```

Begin Object Name="EdGraphPin_44145"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_44144"
  PinName="Sets"
  Direction=EGPD_Output
  PinType=(PinCategory="string",bIsArray=True)
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4728.EdGraphPin_46741'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44144'
Pins(1)=EdGraphPin'EdGraphPin_44145'
NodePosX=240
NodePosY=-1328
NodeGuid=777784A24EA55021503A769F8E1603B4
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4729"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46755"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46754"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46753"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46752"
    End Object
  Begin Object Name="EdGraphPin_46755"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1033.EdGraphPin_46430'
  End Object
  Begin Object Name="EdGraphPin_46754"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="13"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46753"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26118.EdGraphPin_44162'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46752"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_46752'
  Pins(1)=EdGraphPin'EdGraphPin_46753'
  Pins(2)=EdGraphPin'EdGraphPin_46754'
  Pins(3)=EdGraphPin'EdGraphPin_46755'
  NodePosX=416
  NodePosY=-1200
  NodeGuid=7B07C6A64FE5ACA790A9A8982EA942DE
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26118"
  Begin Object Class=EdGraphPin Name="EdGraphPin_44163"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_44162"
    End Object
  Begin Object Name="EdGraphPin_44163"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_44162"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4729.EdGraphPin_46753'
  End Object
  VariableReference=(MemberName="Sets",bSelfContext=True)
  Pins(0)=EdGraphPin'EdGraphPin_44162'
  Pins(1)=EdGraphPin'EdGraphPin_44163'
  NodePosX=240
  NodePosY=-1200
  NodeGuid=35A8D30F451B607CCBAF6C899D1CF71A
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4730"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46767"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46766"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46765"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46764"
    End Object

```

```

Begin Object Name="EdGraphPin_46767"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1035.EdGraphPin_46454'
End Object
Begin Object Name="EdGraphPin_46766"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="14"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46765"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26119.EdGraphPin_44180'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46764"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46764'
Pins(1)=EdGraphPin'EdGraphPin_46765'
Pins(2)=EdGraphPin'EdGraphPin_46766'
Pins(3)=EdGraphPin'EdGraphPin_46767'
NodePosX=416
NodePosY=-1072
NodeGuid=442E107647791CF69637919706082521
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26119"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44181"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44180"
        End Object
    Begin Object Name="EdGraphPin_44181"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/Level99.Level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44180"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4730.EdGraphPin_46765'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44180'
    Pins(1)=EdGraphPin'EdGraphPin_44181'
    NodePosX=240
    NodePosY=-1072
    NodeGuid=C92DD1394A3D75A88F661286E36E3A08
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4731"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46779"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46778"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46777"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46776"
        End Object
    Begin Object Name="EdGraphPin_46779"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1034.EdGraphPin_46442'
    End Object
    Begin Object Name="EdGraphPin_46778"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="15"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46777"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26120.EdGraphPin_44198'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46776"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")

```

```

Pins(0)=EdGraphPin'EdGraphPin_46776'
Pins(1)=EdGraphPin'EdGraphPin_46777'
Pins(2)=EdGraphPin'EdGraphPin_46778'
Pins(3)=EdGraphPin'EdGraphPin_46779'
NodePosX=416
NodePosY=-944
NodeGuid=25113D4447D8BF3FAEB90EAD7767FBB1
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26120"
Begin Object Class=EdGraphPin Name="EdGraphPin_44199"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44198"
End Object
Begin Object Name="EdGraphPin_44199"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.Level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44198"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4731.EdGraphPin_46777'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44198'
Pins(1)=EdGraphPin'EdGraphPin_44199'
NodePosX=240
NodePosY=-944
NodeGuid=E8A0515440A1AC22886D01A0E4B745AF
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4732"
Begin Object Class=EdGraphPin Name="EdGraphPin_46791"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46790"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46789"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46788"
End Object
Begin Object Name="EdGraphPin_46791"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1016.EdGraphPin_46466'
End Object
Begin Object Name="EdGraphPin_46790"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="16"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46789"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26121.EdGraphPin_44219'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46788"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46788'
Pins(1)=EdGraphPin'EdGraphPin_46789'
Pins(2)=EdGraphPin'EdGraphPin_46790'
Pins(3)=EdGraphPin'EdGraphPin_46791'
NodePosX=416
NodePosY=-816
NodeGuid=58ADA2B44524312D80E1EA9BC5E0F66B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26121"
Begin Object Class=EdGraphPin Name="EdGraphPin_44220"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44219"
End Object
Begin Object Name="EdGraphPin_44220"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.Level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44219"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4732.EdGraphPin_46789'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44219'
Pins(1)=EdGraphPin'EdGraphPin_44220'

```

```

NodePosX=240
NodePosY=-816
NodeGuid=4FB4D4C9416DF24ACB08EAA31A623A59
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4733"
Begin Object Class=EdGraphPin Name="EdGraphPin_46803"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46802"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46801"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46800"
End Object
Begin Object Name="EdGraphPin_46803"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1017.EdGraphPin_46478'
End Object
Begin Object Name="EdGraphPin_46802"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="17"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46801"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26122.EdGraphPin_44237'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46800"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46800'
Pins(1)=EdGraphPin'EdGraphPin_46801'
Pins(2)=EdGraphPin'EdGraphPin_46802'
Pins(3)=EdGraphPin'EdGraphPin_46803'
NodePosX=416
NodePosY=-688
NodeGuid=850DD85349B8C93A35190E835D5A473F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26122"
Begin Object Class=EdGraphPin Name="EdGraphPin_44238"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44237"
End Object
Begin Object Name="EdGraphPin_44238"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44237"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4733.EdGraphPin_46801'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44237'
Pins(1)=EdGraphPin'EdGraphPin_44238'
NodePosX=240
NodePosY=-688
NodeGuid=8793E71D433C0605B86C4CB1DBEBAD13
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4734"
Begin Object Class=EdGraphPin Name="EdGraphPin_46815"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46814"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46813"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46812"
End Object
Begin Object Name="EdGraphPin_46815"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1019.EdGraphPin_46502'
End Object
Begin Object Name="EdGraphPin_46814"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="18"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46813"
PinName="TargetArray"

```

```

PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26123.EdGraphPin_44255'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46812"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
  DefaultObject=Default__KismetArrayLibrary
  bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46812'
Pins(1)=EdGraphPin'EdGraphPin_46813'
Pins(2)=EdGraphPin'EdGraphPin_46814'
Pins(3)=EdGraphPin'EdGraphPin_46815'
NodePosX=416
NodePosY=-560
NodeGuid=4C43B31749207443BED21EBD04057CCD
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26123"
  Begin Object Class=EdGraphPin Name="EdGraphPin_44256"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_44255"
    End Object
  Begin Object Name="EdGraphPin_44256"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
  End Object
  Begin Object Name="EdGraphPin_44255"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4734.EdGraphPin_46813'
  End Object
  VariableReference=(MemberName="Sets",bSelfContext=True)
  Pins(0)=EdGraphPin'EdGraphPin_44255'
  Pins(1)=EdGraphPin'EdGraphPin_44256'
  NodePosX=240
  NodePosY=-560
  NodeGuid=0B98101647EA013390C953AC7BE30A46
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4735"
  Begin Object Class=EdGraphPin Name="EdGraphPin_46827"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46826"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46825"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_46824"
    End Object
  Begin Object Name="EdGraphPin_46827"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1036.EdGraphPin_46498'
  End Object
  Begin Object Name="EdGraphPin_46826"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="19"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_46825"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26124.EdGraphPin_44273'
    bDefaultValueIsIgnored=True
  End Object
  Begin Object Name="EdGraphPin_46824"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
  End Object
  bIsPureFunc=True
  FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
  Pins(0)=EdGraphPin'EdGraphPin_46824'
  Pins(1)=EdGraphPin'EdGraphPin_46825'
  Pins(2)=EdGraphPin'EdGraphPin_46826'
  Pins(3)=EdGraphPin'EdGraphPin_46827'
  NodePosX=416
  NodePosY=-432
  NodeGuid=F7EE6B1F41577E3CA22879A441A65414
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26124"
  Begin Object Class=EdGraphPin Name="EdGraphPin_44274"
    End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_44273"
    End Object
  Begin Object Name="EdGraphPin_44274"
    PinName="self"

```

```

        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44273"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4735.EdGraphPin_46825'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44273'
Pins(1)=EdGraphPin'EdGraphPin_44274'
NodePosX=240
NodePosY=-432
NodeGuid=18BB23F040D06108D0B7EB8EC53BECA5
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4736"
Begin Object Class=EdGraphPin Name="EdGraphPin_46839"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46838"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46837"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46836"
End Object
Begin Object Name="EdGraphPin_46839"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1037.EdGraphPin_46514'
End Object
Begin Object Name="EdGraphPin_46838"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="20"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46837"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26125.EdGraphPin_44291'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46836"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46836'
Pins(1)=EdGraphPin'EdGraphPin_46837'
Pins(2)=EdGraphPin'EdGraphPin_46838'
Pins(3)=EdGraphPin'EdGraphPin_46839'
NodePosX=416
NodePosY=-304
NodeGuid=7F5B4A8A4210E72ED655B2979EE7CD18
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26125"
Begin Object Class=EdGraphPin Name="EdGraphPin_44292"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44291"
End Object
Begin Object Name="EdGraphPin_44292"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44291"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4736.EdGraphPin_46837'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44291'
Pins(1)=EdGraphPin'EdGraphPin_44292'
NodePosX=240
NodePosY=-304
NodeGuid=E6E6D938494486B932B529A0927C436C
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4737"
Begin Object Class=EdGraphPin Name="EdGraphPin_46851"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46850"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46849"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46848"
End Object
Begin Object Name="EdGraphPin_46851"
    PinName="Item"

```



```

        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1038.EdGraphPin_46526'
    End Object
Begin Object Name="EdGraphPin_46850"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="21"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46849"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26126.EdGraphPin_44309'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46848"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46848'
Pins(1)=EdGraphPin'EdGraphPin_46849'
Pins(2)=EdGraphPin'EdGraphPin_46850'
Pins(3)=EdGraphPin'EdGraphPin_46851'
NodePosX=416
NodePosY=-176
NodeGuid=9B4EEEE740E21C9A9168B4806CC752EC
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26126"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44310"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44309"
        End Object
    Begin Object Name="EdGraphPin_44310"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44309"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4737.EdGraphPin_46849'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44309'
    Pins(1)=EdGraphPin'EdGraphPin_44310'
    NodePosX=240
    NodePosY=-176
    NodeGuid=2BE71A63437DB42A6CDD05850570701
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4738"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46863"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46862"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46861"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46860"
        End Object
    Begin Object Name="EdGraphPin_46863"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1040.EdGraphPin_46550'
    End Object
    Begin Object Name="EdGraphPin_46862"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="22"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46861"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26127.EdGraphPin_44327'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46860"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46860'
    Pins(1)=EdGraphPin'EdGraphPin_46861'

```

```

Pins(2)=EdGraphPin'EdGraphPin_46862'
Pins(3)=EdGraphPin'EdGraphPin_46863'
NodePosX=416
NodePosY=-48
NodeGuid=5691959041A293D7E0C905AB7F25574F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26127"
Begin Object Class=EdGraphPin Name="EdGraphPin_44328"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44327"
End Object
Begin Object Name="EdGraphPin_44328"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44327"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4738.EdGraphPin_46861'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44327'
Pins(1)=EdGraphPin'EdGraphPin_44328'
NodePosX=240
NodePosY=-48
NodeGuid=7E34C14941C27FA5E6122793F5B844D5
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4739"
Begin Object Class=EdGraphPin Name="EdGraphPin_46875"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46874"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46873"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46872"
End Object
Begin Object Name="EdGraphPin_46875"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1039.EdGraphPin_46538'
End Object
Begin Object Name="EdGraphPin_46874"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="23"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46873"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26128.EdGraphPin_44345'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46872"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46872'
Pins(1)=EdGraphPin'EdGraphPin_46873'
Pins(2)=EdGraphPin'EdGraphPin_46874'
Pins(3)=EdGraphPin'EdGraphPin_46875'
NodePosX=416
NodePosY=80
NodeGuid=B70C89CF4DCE00A99935D6A2FE37E63B
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26128"
Begin Object Class=EdGraphPin Name="EdGraphPin_44346"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44345"
End Object
Begin Object Name="EdGraphPin_44346"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44345"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4739.EdGraphPin_46873'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44345'
Pins(1)=EdGraphPin'EdGraphPin_44346'
NodePosX=240
NodePosY=80

```

```

NodeGuid=035F93D149B95996F37C4FA8470413EA
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4650"
Begin Object Class=EdGraphPin Name="EdGraphPin_46887"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46886"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46885"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46884"
End Object
Begin Object Name="EdGraphPin_46887"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1018.EdGraphPin_46562'
End Object
Begin Object Name="EdGraphPin_46886"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="24"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46885"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26088.EdGraphPin_44363'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46884"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46884'
Pins(1)=EdGraphPin'EdGraphPin_46885'
Pins(2)=EdGraphPin'EdGraphPin_46886'
Pins(3)=EdGraphPin'EdGraphPin_46887'
NodePosX=416
NodePosY=208
NodeGuid=47AD07BA4F5F057C67211C92F7609F93
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26088"
Begin Object Class=EdGraphPin Name="EdGraphPin_44364"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44363"
End Object
Begin Object Name="EdGraphPin_44364"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44363"
PinName="Sets"
Direction=EGPD_Output
PinType=(PinCategory="string",bIsArray=True)
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4650.EdGraphPin_46885'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44363'
Pins(1)=EdGraphPin'EdGraphPin_44364'
NodePosX=240
NodePosY=208
NodeGuid=48565F3448278273C9BF08808E87B0F0
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4651"
Begin Object Class=EdGraphPin Name="EdGraphPin_46899"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46898"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46897"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46896"
End Object
Begin Object Name="EdGraphPin_46899"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1015.EdGraphPin_46574'
End Object
Begin Object Name="EdGraphPin_46898"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="25"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46897"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26089.EdGraphPin_44381'

```

```

        bDefaultValueIsIgnored=True
    End Object
Begin Object Name="EdGraphPin_46896"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46896'
Pins(1)=EdGraphPin'EdGraphPin_46897'
Pins(2)=EdGraphPin'EdGraphPin_46898'
Pins(3)=EdGraphPin'EdGraphPin_46899'
NodePosX=416
NodePosY=336
NodeGuid=F8A164604DB84794A195DA55B61DC9C
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26089"
Begin Object Class=EdGraphPin Name="EdGraphPin_44382"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44381"
End Object
Begin Object Name="EdGraphPin_44382"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44381"
    PinName="Sets"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4651.EdGraphPin_46897'
End Object
VariableReference=(MemberName="Sets",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44381'
Pins(1)=EdGraphPin'EdGraphPin_44382'
NodePosX=240
NodePosY=336
NodeGuid=35021F7E4934E4E55388108BCCD91F9E
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_4649"
Begin Object Class=EdGraphPin Name="EdGraphPin_46911"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46910"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46909"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46908"
End Object
Begin Object Name="EdGraphPin_46911"
    PinName="Item"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    AutogeneratedDefaultValue="0"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1014.EdGraphPin_46586'
End Object
Begin Object Name="EdGraphPin_46910"
    PinName="Index"
    PinType=(PinCategory="int")
    DefaultValue="26"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46909"
    PinName="TargetArray"
    PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
    LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26087.EdGraphPin_44399'
    bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_46908"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
    DefaultObject=Default__KismetArrayLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_46908'
Pins(1)=EdGraphPin'EdGraphPin_46909'
Pins(2)=EdGraphPin'EdGraphPin_46910'
Pins(3)=EdGraphPin'EdGraphPin_46911'
NodePosX=416
NodePosY=464
NodeGuid=FFE695E24AB895094BA9D9306C08998E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26087"
Begin Object Class=EdGraphPin Name="EdGraphPin_44400"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44399"
End Object
Begin Object Name="EdGraphPin_44400"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')

```

```

        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44399"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_4649.EdGraphPin_46909'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44399'
    Pins(1)=EdGraphPin'EdGraphPin_44400'
    NodePosX=240
    NodePosY=464
    NodeGuid=48B0C15A45EEE426C53787B65BBCD2A4
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_2541"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46923"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46922"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46921"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46920"
    End Object
    Begin Object Name="EdGraphPin_46923"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1013.EdGraphPin_46598'
    End Object
    Begin Object Name="EdGraphPin_46922"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="27"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46921"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_26078.EdGraphPin_44417'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_46920"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_46920'
    Pins(1)=EdGraphPin'EdGraphPin_46921'
    Pins(2)=EdGraphPin'EdGraphPin_46922'
    Pins(3)=EdGraphPin'EdGraphPin_46923'
    NodePosX=416
    NodePosY=592
    NodeGuid=EC58D7024B0DF8ED92AC9B97697AA71F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26078"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44418"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44417"
    End Object
    Begin Object Name="EdGraphPin_44418"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44417"
        PinName="Sets"
        Direction=EGPD_Output
        PinType=(PinCategory="string",bIsArray=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_2541.EdGraphPin_46921'
    End Object
    VariableReference=(MemberName="Sets",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44417'
    Pins(1)=EdGraphPin'EdGraphPin_44418'
    NodePosX=240
    NodePosY=592
    NodeGuid=73ABF82B41320CD011DCB5AA53153848
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_26254"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44424"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44423"
    End Object
    Begin Object Name="EdGraphPin_44424"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44423"
        PinName="File_Path"

```

```

    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin 'K2Node_CallFunction_16432.EdGraphPin_45063'
End Object
VariableReference=(MemberName="File_Path",bSelfContext=True)
Pins(0)=EdGraphPin 'EdGraphPin_44423'
Pins(1)=EdGraphPin 'EdGraphPin_44424'
NodePosX=2528
NodePosY=-1488
NodeGuid=EBDE400048C3F979486D8A8930273994
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_3098"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46941"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46940"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46939"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46938"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46937"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46936"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46935"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46934"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46933"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46932"
    End Object
    Begin Object Name="EdGraphPin_46941"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin 'K2Node_VariableSet_411.EdGraphPin_44461'
    End Object
    Begin Object Name="EdGraphPin_46940"
        PinName="Year"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46939"
        PinName="Month"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46938"
        PinName="Day"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46937"
        PinName="Hours24"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46936"
        PinName="Hours12"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46935"
        PinName="Minutes"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46934"
        PinName="Seconds"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46933"
        PinName="MilliSeconds"
        Direction=EGPD_Output
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_46932"
        PinName="self"
        PinFriendlyName="Target"

```

```

PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
DefaultObject=Default__VictoryBPFunctionLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="RealWorldTime__GetCurrentOSTime")
Pins(0)=EdGraphPin'EdGraphPin_46932'
Pins(1)=EdGraphPin'EdGraphPin_46933'
Pins(2)=EdGraphPin'EdGraphPin_46934'
Pins(3)=EdGraphPin'EdGraphPin_46935'
Pins(4)=EdGraphPin'EdGraphPin_46936'
Pins(5)=EdGraphPin'EdGraphPin_46937'
Pins(6)=EdGraphPin'EdGraphPin_46938'
Pins(7)=EdGraphPin'EdGraphPin_46939'
Pins(8)=EdGraphPin'EdGraphPin_46940'
Pins(9)=EdGraphPin'EdGraphPin_46941'
NodePosX=160
NodePosY=-3712
NodeGuid=05CA06764B3D1013F9DBA8484CF114B
End Object
Begin Object Class=K2Node_ExecutionSequence Name="K2Node_ExecutionSequence_90"
Begin Object Class=EdGraphPin Name="EdGraphPin_44208"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44207"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44206"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44205"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44204"
End Object
Begin Object Name="EdGraphPin_44208"
PinName="then_3"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_396.EdGraphPin_44624'
End Object
Begin Object Name="EdGraphPin_44207"
PinName="then_2"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_411.EdGraphPin_44459'
End Object
Begin Object Name="EdGraphPin_44206"
PinName="then_1"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_377.EdGraphPin_44534'
End Object
Begin Object Name="EdGraphPin_44205"
PinName="then_0"
Direction=EGPD_Output
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_380.EdGraphPin_44579'
End Object
Begin Object Name="EdGraphPin_44204"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_Event_215.EdGraphPin_44265'
End Object
Pins(0)=EdGraphPin'EdGraphPin_44204'
Pins(1)=EdGraphPin'EdGraphPin_44205'
Pins(2)=EdGraphPin'EdGraphPin_44206'
Pins(3)=EdGraphPin'EdGraphPin_44207'
Pins(4)=EdGraphPin'EdGraphPin_44208'
NodePosX=480
NodePosY=-3280
NodeGuid=FAA1AFA641AB8540D1F7B88B3C6E1D15
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2788"
Begin Object Class=EdGraphPin Name="EdGraphPin_46968"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46967"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46966"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46965"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46964"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46963"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_46962"
End Object
Begin Object Name="EdGraphPin_46968"
PinName="Hours"
Direction=EGPD_Output
PinType=(PinCategory="float")
AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_46967"
PinName="Minutes"
Direction=EGPD_Output
PinType=(PinCategory="float")
AutogeneratedDefaultValue="0.0"
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2789.EdGraphPin_46984'
End Object

```

```

Begin Object Name="EdGraphPin_46966"
    PinName="Seconds"
    Direction=EGPD_Output
    PinType=(PinCategory="float")
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_46965"
    PinName="Milliseconds"
    Direction=EGPD_Output
    PinType=(PinCategory="float")
    AutogeneratedDefaultValue="0.0"
End Object
Begin Object Name="EdGraphPin_46964"
    PinName="PreviousTime2"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_411.EdGraphPin_44462'
End Object
Begin Object Name="EdGraphPin_46963"
    PinName="PreviousTime1"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_377.EdGraphPin_44537'
End Object
Begin Object Name="EdGraphPin_46962"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFfunctionLibrary')
    DefaultObject=Default__VictoryBPFfunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFfunctionLibrary',MemberName="RealWorldTime__GetDifferenceBetweenTimes")
Pins(0)=EdGraphPin'EdGraphPin_46962'
Pins(1)=EdGraphPin'EdGraphPin_46963'
Pins(2)=EdGraphPin'EdGraphPin_46964'
Pins(3)=EdGraphPin'EdGraphPin_46965'
Pins(4)=EdGraphPin'EdGraphPin_46966'
Pins(5)=EdGraphPin'EdGraphPin_46967'
Pins(6)=EdGraphPin'EdGraphPin_46968'
NodePosX=1424
NodePosY=-3632
NodeGuid=ADA8086843358AFBCFDE9186F95E3002
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_2789"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46985"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46984"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46983"
        End Object
    Begin Object Name="EdGraphPin_46985"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_396.EdGraphPin_44626'
    End Object
    Begin Object Name="EdGraphPin_46984"
        PinName="InFloat"
        PinType=(PinCategory="float")
        DefaultValue="0.0"
        AutogeneratedDefaultValue="0.0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2788.EdGraphPin_46967'
    End Object
    Begin Object Name="EdGraphPin_46983"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Conv_FloatToString")
    Pins(0)=EdGraphPin'EdGraphPin_46983'
    Pins(1)=EdGraphPin'EdGraphPin_46984'
    Pins(2)=EdGraphPin'EdGraphPin_46985'
    NodePosX=1856
    NodePosY=-3536
    NodeGuid=C09F7F9F4279E7D3A2A6988D0A5CFF77
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5102"
    Begin Object Class=EdGraphPin Name="EdGraphPin_46997"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46996"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46995"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46994"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46993"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_46992"
        End Object
    Begin Object Name="EdGraphPin_46997"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="bool")
        DefaultValue="false"
        AutogeneratedDefaultValue="false"

```



```

End Object
Begin Object Name="EdGraphPin_46996"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
End Object
Begin Object Name="EdGraphPin_46995"
    PinName="FullFilePath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1020.EdGraphPin_47067'
End Object
Begin Object Name="EdGraphPin_46994"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_46993"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_1686.EdGraphPin_47011'
End Object
Begin Object Name="EdGraphPin_46992"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
    DefaultObject=Default__VictoryBPFunctionLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_46992'
Pins(1)=EdGraphPin'EdGraphPin_46993'
Pins(2)=EdGraphPin'EdGraphPin_46994'
Pins(3)=EdGraphPin'EdGraphPin_46995'
Pins(4)=EdGraphPin'EdGraphPin_46996'
Pins(5)=EdGraphPin'EdGraphPin_46997'
NodePosX=480
NodePosY=-3840
NodeGuid=6ACA63F04BD57E00E52E10A5B342C461
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_1686"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47013"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47012"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47011"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47010"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47013"
        PinName="Item"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        AutogeneratedDefaultValue="0"
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_377.EdGraphPin_44536'
    End Object
    Begin Object Name="EdGraphPin_47012"
        PinName="Index"
        PinType=(PinCategory="int")
        DefaultValue="0"
        AutogeneratedDefaultValue="0"
    End Object
    Begin Object Name="EdGraphPin_47011"
        PinName="TargetArray"
        PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5102.EdGraphPin_46993'
        bDefaultValueIsIgnored=True
    End Object
    Begin Object Name="EdGraphPin_47010"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
        DefaultObject=Default__KismetArrayLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
    Pins(0)=EdGraphPin'EdGraphPin_47010'
    Pins(1)=EdGraphPin'EdGraphPin_47011'
    Pins(2)=EdGraphPin'EdGraphPin_47012'
    Pins(3)=EdGraphPin'EdGraphPin_47013'
    NodePosX=832
    NodePosY=-3808
    NodeGuid=0457AAF64755F2B832FF14BBA8C4724F
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_377"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44538"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44537"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44536"

```

```

End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44535"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44534"
End Object
Begin Object Name="EdGraphPin_44538"
  PinName="self"
  PinFriendlyName="Target"
  PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/leve199.leve199_C')
  bHidden=True
End Object
Begin Object Name="EdGraphPin_44537"
  PinName="Output_Get"
  PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
  Direction=EGPD_Output
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallFunction_2788.EdGraphPin_46963'
End Object
Begin Object Name="EdGraphPin_44536"
  PinName="Start_Time_DCE"
  PinType=(PinCategory="string")
  LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_1686.EdGraphPin_47013'
End Object
Begin Object Name="EdGraphPin_44535"
  PinName="then"
  Direction=EGPD_Output
  PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_44534"
  PinName="execute"
  PinType=(PinCategory="exec")
  LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_90.EdGraphPin_44206'
End Object
VariableReference=(MemberName="Start_Time_DCE",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44534'
Pins(1)=EdGraphPin'EdGraphPin_44535'
Pins(2)=EdGraphPin'EdGraphPin_44536'
Pins(3)=EdGraphPin'EdGraphPin_44537'
Pins(4)=EdGraphPin'EdGraphPin_44538'
NodePosX=1120
NodePosY=-3616
NodeGuid=6AEEDD0B492D3DD339FFD19792812036
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_5014"
  Begin Object Class=EdGraphPin Name="EdGraphPin_47027"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_47026"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_47025"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_47024"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_47023"
  End Object
  Begin Object Class=EdGraphPin Name="EdGraphPin_47022"
  End Object
  Begin Object Name="EdGraphPin_47027"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_47026"
    PinName="ExcludeEmptyLines"
    PinType=(PinCategory="bool")
    DefaultValue="false"
    AutogeneratedDefaultValue="false"
  End Object
  Begin Object Name="EdGraphPin_47025"
    PinName="FullPath"
    PinType=(PinCategory="string")
    DefaultValue="Enter Full File Path"
    AutogeneratedDefaultValue="Enter Full File Path"
    LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_681.EdGraphPin_47055'
  End Object
  Begin Object Name="EdGraphPin_47024"
    PinName="ArraySize"
    Direction=EGPD_Output
    PinType=(PinCategory="int")
    DefaultValue="0"
    AutogeneratedDefaultValue="0"
  End Object
  Begin Object Name="EdGraphPin_47023"
    PinName="StringArray"
    Direction=EGPD_Output
    PinType=(PinCategory="string",bIsArray=True)
    LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_1514.EdGraphPin_47041'
  End Object
  Begin Object Name="EdGraphPin_47022"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Victory8PPLibrary.Victory8PFunctionLibrary')
    DefaultObject=Default__Victory8PFunctionLibrary
    bHidden=True
  End Object
  bIsPureFunc=True

```

```

FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBFunctionLibrary',MemberName="LoadStringArrayFromFile")
Pins(0)=EdGraphPin'EdGraphPin_47022'
Pins(1)=EdGraphPin'EdGraphPin_47023'
Pins(2)=EdGraphPin'EdGraphPin_47024'
Pins(3)=EdGraphPin'EdGraphPin_47025'
Pins(4)=EdGraphPin'EdGraphPin_47026'
Pins(5)=EdGraphPin'EdGraphPin_47027'
NodePosX=480
NodePosY=-3984
NodeGuid=E35329144A904BDF27F55A8558DE2115
End Object
Begin Object Class=K2Node_CallArrayFunction Name="K2Node_CallArrayFunction_1514"
Begin Object Class=EdGraphPin Name="EdGraphPin_47043"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47042"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47041"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47040"
End Object
Begin Object Name="EdGraphPin_47043"
PinName="Item"
Direction=EGPD_Output
PinType=(PinCategory="string")
AutogeneratedDefaultValue="0"
LinkedTo(0)=EdGraphPin'K2Node_VariableSet_380.EdGraphPin_44581'
End Object
Begin Object Name="EdGraphPin_47042"
PinName="Index"
PinType=(PinCategory="int")
DefaultValue="0"
AutogeneratedDefaultValue="0"
End Object
Begin Object Name="EdGraphPin_47041"
PinName="TargetArray"
PinType=(PinCategory="string",bIsArray=True,bIsReference=True,bIsConst=True)
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5014.EdGraphPin_47023'
bDefaultValueIsIgnored=True
End Object
Begin Object Name="EdGraphPin_47040"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetArrayLibrary')
DefaultObject=Default__KismetArrayLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetArrayLibrary',MemberName="Array_Get")
Pins(0)=EdGraphPin'EdGraphPin_47040'
Pins(1)=EdGraphPin'EdGraphPin_47041'
Pins(2)=EdGraphPin'EdGraphPin_47042'
Pins(3)=EdGraphPin'EdGraphPin_47043'
NodePosX=832
NodePosY=-3952
NodeGuid=8B4E162D46A35982EE979B82F1B4F4A7
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_380"
Begin Object Class=EdGraphPin Name="EdGraphPin_44583"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44582"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44581"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44580"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44579"
End Object
Begin Object Name="EdGraphPin_44583"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44582"
PinName="Output_Get"
PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4745.EdGraphPin_47077'
End Object
Begin Object Name="EdGraphPin_44581"
PinName="Start_Time"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallArrayFunction_1514.EdGraphPin_47043'
End Object
Begin Object Name="EdGraphPin_44580"
PinName="then"
Direction=EGPD_Output
PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_44579"
PinName="execute"
PinType=(PinCategory="exec")
LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_90.EdGraphPin_44205'
End Object
VariableReference=(MemberName="Start_Time",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44579'

```

```

Pins(1)=EdGraphPin'EdGraphPin_44580'
Pins(2)=EdGraphPin'EdGraphPin_44581'
Pins(3)=EdGraphPin'EdGraphPin_44582'
Pins(4)=EdGraphPin'EdGraphPin_44583'
NodePosX=1120
NodePosY=-3808
NodeGuid=7F3943BC46190F5073A64F93A0808A04
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1593"
Begin Object Class=EdGraphPin Name="EdGraphPin_44595"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44594"
End Object
Begin Object Name="EdGraphPin_44595"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.Level99_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44594"
PinName="File_Path"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_681.EdGraphPin_47053'
LinkedTo(1)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_1020.EdGraphPin_47065'
End Object
VariableReference=(MemberName="File_Path",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44594'
Pins(1)=EdGraphPin'EdGraphPin_44595'
NodePosX=-48
NodePosY=-3872
NodeGuid=4D40F17C4A5A6C3B317861A1FD6FDC24
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_681"
Begin Object Class=EdGraphPin Name="EdGraphPin_47055"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47054"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47053"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47052"
End Object
Begin Object Name="EdGraphPin_47055"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5014.EdGraphPin_47025'
End Object
Begin Object Name="EdGraphPin_47054"
PinName="B"
PinType=(PinCategory="string")
DefaultValue="\start_time.txt"
End Object
Begin Object Name="EdGraphPin_47053"
PinName="A"
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1593.EdGraphPin_44594'
End Object
Begin Object Name="EdGraphPin_47052"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
DefaultObject=Default__KismetStringLibrary
bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_47052'
Pins(1)=EdGraphPin'EdGraphPin_47053'
Pins(2)=EdGraphPin'EdGraphPin_47054'
Pins(3)=EdGraphPin'EdGraphPin_47055'
NodePosX=128
NodePosY=-3984
NodeGuid=FE163AD74675D6ABF61843A7560145F3
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_1020"
Begin Object Class=EdGraphPin Name="EdGraphPin_47067"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47066"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47065"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47064"
End Object
Begin Object Name="EdGraphPin_47067"
PinName="ReturnValue"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CallFunction_5102.EdGraphPin_46995'
End Object
Begin Object Name="EdGraphPin_47066"
PinName="B"
PinType=(PinCategory="string")
DefaultValue="\start_time_DCE.txt"
End Object
Begin Object Name="EdGraphPin_47065"
PinName="A"

```

```

        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin' K2Node_VariableGet_1593.EdGraphPin_44594'
    End Object
Begin Object Name="EdGraphPin_47064"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_47064'
Pins(1)=EdGraphPin'EdGraphPin_47065'
Pins(2)=EdGraphPin'EdGraphPin_47066'
Pins(3)=EdGraphPin'EdGraphPin_47067'
NodePosX=128
NodePosY=-3840
NodeGuid=99547E234D95104814597CB52AB4C9FD
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_396"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44628"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44627"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44626"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44625"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44624"
        End Object
    Begin Object Name="EdGraphPin_44628"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44627"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
    End Object
    Begin Object Name="EdGraphPin_44626"
        PinName="Duration"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin' K2Node_CallFunction_2789.EdGraphPin_46985'
    End Object
    Begin Object Name="EdGraphPin_44625"
        PinName="then"
        Direction=EGPD_Output
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin' K2Node_VariableSet_43.EdGraphPin_44681'
    End Object
    Begin Object Name="EdGraphPin_44624"
        PinName="execute"
        PinType=(PinCategory="exec")
        LinkedTo(0)=EdGraphPin' K2Node_ExecutionSequence_90.EdGraphPin_44208'
    End Object
    VariableReference=(MemberName="Duration",bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44624'
    Pins(1)=EdGraphPin'EdGraphPin_44625'
    Pins(2)=EdGraphPin'EdGraphPin_44626'
    Pins(3)=EdGraphPin'EdGraphPin_44627'
    Pins(4)=EdGraphPin'EdGraphPin_44628'
    NodePosX=1984
    NodePosY=-3264
    NodeGuid=A0AA7B0247B46E5C6EA25BA4FD92FE41
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_411"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44463"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44462"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44461"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44460"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44459"
        End Object
    Begin Object Name="EdGraphPin_44463"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44462"
        PinName="Output_Get"
        PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin' K2Node_CallFunction_2788.EdGraphPin_46964'
        LinkedTo(1)=EdGraphPin' K2Node_CallFunction_4745.EdGraphPin_47078'
    End Object
    Begin Object Name="EdGraphPin_44461"
        PinName="End_Time"
        PinType=(PinCategory="string")

```

```

    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_3098.EdGraphPin_46941'
End Object
Begin Object Name="EdGraphPin_44460"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
End Object
Begin Object Name="EdGraphPin_44459"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_ExecutionSequence_90.EdGraphPin_44207'
End Object
VariableReference=(MemberName="End_Time",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44459'
Pins(1)=EdGraphPin'EdGraphPin_44460'
Pins(2)=EdGraphPin'EdGraphPin_44461'
Pins(3)=EdGraphPin'EdGraphPin_44462'
Pins(4)=EdGraphPin'EdGraphPin_44463'
NodePosX=1120
NodePosY=-3440
NodeGuid=F8CD03B14EB7E3E020C0068915FCD6D
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4745"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47082"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47081"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47080"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47079"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47078"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47077"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47076"
        End Object
    Begin Object Name="EdGraphPin_47082"
        PinName="Hours"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
    End Object
    Begin Object Name="EdGraphPin_47081"
        PinName="Minutes"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
        LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4796.EdGraphPin_47098'
    End Object
    Begin Object Name="EdGraphPin_47080"
        PinName="Seconds"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
    End Object
    Begin Object Name="EdGraphPin_47079"
        PinName="Milliseconds"
        Direction=EGPD_Output
        PinType=(PinCategory="float")
        AutogeneratedDefaultValue="0.0"
    End Object
    Begin Object Name="EdGraphPin_47078"
        PinName="PreviousTime2"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_411.EdGraphPin_44462'
    End Object
    Begin Object Name="EdGraphPin_47077"
        PinName="PreviousTime1"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableSet_380.EdGraphPin_44582'
    End Object
    Begin Object Name="EdGraphPin_47076"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary')
        DefaultObject=Default__VictoryBPFunctionLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/VictoryBPLibrary.VictoryBPFunctionLibrary',MemberName="RealWorldTime__GetDifferenceBetweenTimes")
    Pins(0)=EdGraphPin'EdGraphPin_47076'
    Pins(1)=EdGraphPin'EdGraphPin_47077'
    Pins(2)=EdGraphPin'EdGraphPin_47078'
    Pins(3)=EdGraphPin'EdGraphPin_47079'
    Pins(4)=EdGraphPin'EdGraphPin_47080'
    Pins(5)=EdGraphPin'EdGraphPin_47081'
    Pins(6)=EdGraphPin'EdGraphPin_47082'
    NodePosX=1424
    NodePosY=-3824
    NodeGuid=FB8AE0E349E01385C0632FA37AEC7D02
End Object
Begin Object Class=K2Node_CallFunction Name="K2Node_CallFunction_4796"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47099"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47098"
        End Object

```

```

Begin Object Class=EdGraphPin Name="EdGraphPin_47097"
End Object
Begin Object Name="EdGraphPin_47099"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_43.EdGraphPin_44683'
End Object
Begin Object Name="EdGraphPin_47098"
    PinName="InFloat"
    PinType=(PinCategory="float")
    DefaultValue="0.0"
    AutogeneratedDefaultValue="0.0"
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4745.EdGraphPin_47081'
End Object
Begin Object Name="EdGraphPin_47097"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Conv_FloatToString")
Pins(0)=EdGraphPin'EdGraphPin_47097'
Pins(1)=EdGraphPin'EdGraphPin_47098'
Pins(2)=EdGraphPin'EdGraphPin_47099'
NodePosX=1856
NodePosY=-3728
NodeGuid=292D24C345258A6E59D8588F36846E2D
End Object
Begin Object Class=K2Node_VariableSet Name="K2Node_VariableSet_43"
Begin Object Class=EdGraphPin Name="EdGraphPin_44685"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44684"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44683"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44682"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44681"
End Object
Begin Object Name="EdGraphPin_44685"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level99.level99_C')
    bHidden=True
End Object
Begin Object Name="EdGraphPin_44684"
    PinName="Output_Get"
    PinToolTip="Retrieves the value of the variable, can use instead of a separate Get node"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
End Object
Begin Object Name="EdGraphPin_44683"
    PinName="Total_Duration"
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_4796.EdGraphPin_47099'
End Object
Begin Object Name="EdGraphPin_44682"
    PinName="then"
    Direction=EGPD_Output
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_CallFunction_12941.EdGraphPin_44985'
End Object
Begin Object Name="EdGraphPin_44681"
    PinName="execute"
    PinType=(PinCategory="exec")
    LinkedTo(0)=EdGraphPin'K2Node_VariableSet_396.EdGraphPin_44625'
End Object
VariableReference=(MemberName="Total_Duration",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44681'
Pins(1)=EdGraphPin'EdGraphPin_44682'
Pins(2)=EdGraphPin'EdGraphPin_44683'
Pins(3)=EdGraphPin'EdGraphPin_44684'
Pins(4)=EdGraphPin'EdGraphPin_44685'
NodePosX=2256
NodePosY=-3264
NodeGuid=53823DE54C8965455F1552B0E59D8A4E
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_246"
Begin Object Class=EdGraphPin Name="EdGraphPin_47109"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47108"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47107"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_47106"
End Object
Begin Object Name="EdGraphPin_47109"
    PinName="ReturnValue"
    Direction=EGPD_Output
    PinType=(PinCategory="string")
    LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44831'
End Object
Begin Object Name="EdGraphPin_47108"
    PinName="B"

```

```

        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1981.EdGraphPin_44744'
    End Object
Begin Object Name="EdGraphPin_47107"
    PinName="A"
    PinType=(PinCategory="string")
    DefaultValue=""          Start time: "
End Object
Begin Object Name="EdGraphPin_47106"
    PinName="self"
    PinFriendlyName="Target"
    PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
    DefaultObject=Default__KismetStringLibrary
    bHidden=True
End Object
bIsPureFunc=True
FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
Pins(0)=EdGraphPin'EdGraphPin_47106'
Pins(1)=EdGraphPin'EdGraphPin_47107'
Pins(2)=EdGraphPin'EdGraphPin_47108'
Pins(3)=EdGraphPin'EdGraphPin_47109'
NodePosX=1968
NodePosY=704
NodeGuid=F8098DF048EFB6469D52FDABCE7447BC
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_247"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47121"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47120"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47119"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47118"
    End Object
    Begin Object Name="EdGraphPin_47121"
        PinName="ReturnValue"
        PinToolTip="Return Value\nString\n\nA new string which is the concatenation of A+B"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44832'
    End Object
    Begin Object Name="EdGraphPin_47120"
        PinName="B"
        PinToolTip="B\nString\n\nThe string to append to A"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1983.EdGraphPin_44750'
    End Object
    Begin Object Name="EdGraphPin_47119"
        PinName="A"
        PinToolTip="A\nString\n\nThe original string"
        PinType=(PinCategory="string")
        DefaultValue=""          Start time DCE: "
    End Object
    Begin Object Name="EdGraphPin_47118"
        PinName="self"
        PinFriendlyName="Target"
        PinToolTip="Target\nKismet String Library Reference"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_47118'
    Pins(1)=EdGraphPin'EdGraphPin_47119'
    Pins(2)=EdGraphPin'EdGraphPin_47120'
    Pins(3)=EdGraphPin'EdGraphPin_47121'
    NodePosX=1968
    NodePosY=816
    NodeGuid=1ACEC8FE4FFD667D841B85AABD98EB7A
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_248"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47133"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47132"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47131"
    End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47130"
    End Object
    Begin Object Name="EdGraphPin_47133"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44833'
    End Object
    Begin Object Name="EdGraphPin_47132"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1985.EdGraphPin_44756'
    End Object
    Begin Object Name="EdGraphPin_47131"
        PinName="A"
        PinType=(PinCategory="string")
        DefaultValue=""          End time: "
    End Object
    Begin Object Name="EdGraphPin_47130"

```



```

        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_47130'
    Pins(1)=EdGraphPin'EdGraphPin_47131'
    Pins(2)=EdGraphPin'EdGraphPin_47132'
    Pins(3)=EdGraphPin'EdGraphPin_47133'
    NodePosX=1968
    NodePosY=928
    NodeGuid=0F64CC2D40D25091B6673CB07C7139E8
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_249"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47145"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47144"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47143"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47142"
        End Object
    Begin Object Name="EdGraphPin_47145"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44834'
    End Object
    Begin Object Name="EdGraphPin_47144"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_1987.EdGraphPin_44762'
    End Object
    Begin Object Name="EdGraphPin_47143"
        PinName="A"
        PinType=(PinCategory="string")
        DefaultValue="Duration DCE (min): "
    End Object
    Begin Object Name="EdGraphPin_47142"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_47142'
    Pins(1)=EdGraphPin'EdGraphPin_47143'
    Pins(2)=EdGraphPin'EdGraphPin_47144'
    Pins(3)=EdGraphPin'EdGraphPin_47145'
    NodePosX=1968
    NodePosY=1040
    NodeGuid=26CC019E42A886DBC7D6069271238C2C
End Object
Begin Object Class=K2Node_CommutativeAssociativeBinaryOperator Name="K2Node_CommutativeAssociativeBinaryOperator_250"
    Begin Object Class=EdGraphPin Name="EdGraphPin_47157"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47156"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47155"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_47154"
        End Object
    Begin Object Name="EdGraphPin_47157"
        PinName="ReturnValue"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_MakeArray_1562.EdGraphPin_44835'
    End Object
    Begin Object Name="EdGraphPin_47156"
        PinName="B"
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_VariableGet_319.EdGraphPin_44768'
    End Object
    Begin Object Name="EdGraphPin_47155"
        PinName="A"
        PinType=(PinCategory="string")
        DefaultValue="Total Duration (min): "
    End Object
    Begin Object Name="EdGraphPin_47154"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=Class'/Script/Engine.KismetStringLibrary')
        DefaultObject=Default__KismetStringLibrary
        bHidden=True
    End Object
    bIsPureFunc=True
    FunctionReference=(MemberParent=Class'/Script/Engine.KismetStringLibrary',MemberName="Concat_StrStr")
    Pins(0)=EdGraphPin'EdGraphPin_47154'
    Pins(1)=EdGraphPin'EdGraphPin_47155'
    Pins(2)=EdGraphPin'EdGraphPin_47156'
    Pins(3)=EdGraphPin'EdGraphPin_47157'
    NodePosX=1968

```

```

NodePosY=1152
NodeGuid=310012D84493EB25EBACD3AB2B436368
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1981"
Begin Object Class=EdGraphPin Name="EdGraphPin_44745"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44744"
End Object
Begin Object Name="EdGraphPin_44745"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44744"
PinName="Start_Time"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_246.EdGraphPin_47108'
End Object
VariableReference=(MemberName="Start_Time",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44744'
Pins(1)=EdGraphPin'EdGraphPin_44745'
NodePosX=1728
NodePosY=800
NodeGuid=F8D6015B4E7DCF20984D1BBA3A10A946
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1983"
Begin Object Class=EdGraphPin Name="EdGraphPin_44751"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44750"
End Object
Begin Object Name="EdGraphPin_44751"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44750"
PinName="Start_Time_DCE"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_247.EdGraphPin_47120'
End Object
VariableReference=(MemberName="Start_Time_DCE",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44750'
Pins(1)=EdGraphPin'EdGraphPin_44751'
NodePosX=1728
NodePosY=848
NodeGuid=C220583945664D0FBC8789B3A3E47B39
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1985"
Begin Object Class=EdGraphPin Name="EdGraphPin_44757"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44756"
End Object
Begin Object Name="EdGraphPin_44757"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44756"
PinName="End_Time"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_248.EdGraphPin_47132'
End Object
VariableReference=(MemberName="End_Time",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44756'
Pins(1)=EdGraphPin'EdGraphPin_44757'
NodePosX=1728
NodePosY=896
NodeGuid=8B88708842017B80B64147B52E2DEC0F
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_1987"
Begin Object Class=EdGraphPin Name="EdGraphPin_44763"
End Object
Begin Object Class=EdGraphPin Name="EdGraphPin_44762"
End Object
Begin Object Name="EdGraphPin_44763"
PinName="self"
PinFriendlyName="Target"
PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
bHidden=True
End Object
Begin Object Name="EdGraphPin_44762"
PinName="Duration"
Direction=EGPD_Output
PinType=(PinCategory="string")
LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_249.EdGraphPin_47144'
End Object
VariableReference=(MemberName="Duration",bSelfContext=True)
Pins(0)=EdGraphPin'EdGraphPin_44762'
Pins(1)=EdGraphPin'EdGraphPin_44763'
NodePosX=1728
NodePosY=944

```

```

    NodeGuid=72EE59CC48DDCCD190CFA2B157372E4E
End Object
Begin Object Class=K2Node_VariableGet Name="K2Node_VariableGet_319"
    Begin Object Class=EdGraphPin Name="EdGraphPin_44769"
        End Object
    Begin Object Class=EdGraphPin Name="EdGraphPin_44768"
        End Object
    Begin Object Name="EdGraphPin_44769"
        PinName="self"
        PinFriendlyName="Target"
        PinType=(PinCategory="object",PinSubCategoryObject=BlueprintGeneratedClass'/Game/Maps/level199.level199_C')
        bHidden=True
    End Object
    Begin Object Name="EdGraphPin_44768"
        PinName="Total_Duration"
        Direction=EGPD_Output
        PinType=(PinCategory="string")
        LinkedTo(0)=EdGraphPin'K2Node_CommutativeAssociativeBinaryOperator_250.EdGraphPin_47156'
    End Object
    VariableReference=(MemberName="Total_Duration",MemberGuid=2CA238764F6873F3F8618C9025B5CC7C,bSelfContext=True)
    Pins(0)=EdGraphPin'EdGraphPin_44768'
    Pins(1)=EdGraphPin'EdGraphPin_44769'
    NodePosX=1728
    NodePosY=992
    NodeGuid=4851BF4A42052E34136F399093F171A8
End Object

```

REFERENCE LIST

- [1] Max Wertheimer. Untersuchungen zur Lehre von der Gestalt, II. *Psychologische Forschung*, 4(1):301–350. English translation: “Laws of Organization in Perceptual Forms”. In *A Source Book of Gestalt Psychology*, 1938. Kegan Paul, Trench, Trubner & Company, London, England, p. 301–350., 1923.
- [2] Wolfgang Köhler. *The Task of Gestalt Psychology (Introduction by Carroll C. Pratt)*. Originally published in 1935. Princeton University Press, 2015.
- [3] José E Lugo, James P Schmiedeler, Stephen M Batill, and Laura Carlson. Quantification of Classical Gestalt Principles in Two-Dimensional Product Representations. *ASME Journal of Mechanical Design*, 137(9):094502, 2015.
- [4] José E Lugo, James P Schmiedeler, Stephen M Batill, and Laura Carlson. Relationship Between Product Aesthetic Subject Preference and Quantified Gestalt Principles in Automobile Wheel Rims. *ASME Journal of Mechanical Design*, 138(5):051101, 2016.
- [5] Zygmunt Pizlo. *3D Shape: Its Unique Place in Visual Perception*. MIT Press, 2010.
- [6] David Jacobs. What Makes Viewpoint Invariant Properties Perceptually Salient?: A Computational Perspective. In Kim L. Boyer and Sudeep Sarkar, editors, *Perceptual Organization for Artificial Vision Systems*, volume 546 of *The Kluwer International Series in Engineering and Computer Science*, pages 121–138. Springer, 2000.
- [7] Brian Sylcott, Jeremy J Michalek, and Jonathan Cagan. Exploring the Role of Interaction Effects in Visual Conjoint Analysis. *Journal of Mechanical Design*, 137(9):094503, 2015.

- [8] Seth Orsborn, Jonathan Cagan, and Peter Boatwright. Quantifying Aesthetic Form Preference in a Utility Function. *ASME Journal of Mechanical Design*, 131(6):061001, 2009.
- [9] Jarod Kelly and P Papalambros. Use of Shape Preference Information in Product Design. In *Proceedings of the 16th International Conference on Engineering Design, ICED*, Cit   des Sciences et de l'Industrie, Paris, France, August 2007.
- [10] Christian Homburg, Martin Schwemmler, and Christina Kuehn. New Product Design: Concept, Measurement, and Consequences. *Journal of Marketing*, 79(3):41–56, 2015.
- [11] Erin MacDonald, Alexis Lubensky, Bryon Sohns, and Panos Y Papalambros. Product Semantics and Wine Portfolio Optimisation. *International Journal of Product Development*, 7(1-2):73–98, 2008.
- [12] Peter H Bloch. Seeking the Ideal Form: Product Design and Consumer Response. *The Journal of Marketing*, pages 16–29, 1995.
- [13] Jos   E Lugo, Stephen M. Batill, and Laura Carlson. Modeling Product Form Preference using Gestalt Principles, Semantic Space, and Kansei. In *Proceedings of the ASME 2012 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, pages 529–539, Buffalo, New York, USA, August 2012.
- [14] Jan Walter Parr. Aesthetic Intentions in Product Design: Market Driven or Alternative Form, 2003.
- [15] Bryan Lawson. *How Designers Think: The Design Process Demystified*. Routledge, 2006.
- [16] Michael G. Luchs, Jacob Brower, and Ravindra Chitturi. Product Choice and the Importance of Aesthetic Design Given the Emotion-laden Trade-off between Sustainability and Functional Performance. *Journal of Product Innovation Management*, 29(6):903–916, 2012.

- [17] Jarod C. Kelly, Pierre Maheut, Jean-François Petiot, and Panos Y. Papalambros. Incorporating User Shape Preference in Engineering Design Optimisation. *Journal of Engineering Design*, 22(9):627–650, September 2011.
- [18] Marielle EH Creusen and Jan PL Schoormans. The Different Roles of Product Appearance in Consumer Choice. *Journal of Product Innovation Management*, 22(1):63–81, 2005.
- [19] Brian Sylcott, Jonathan Cagan, and Golnaz Tabibnia. Understanding Consumer Tradeoffs Between Form and Function Through Metaconjoint and Cognitive Neuroscience Analyses. *ASME Journal of Mechanical Design*, 135(10):101002, 2013.
- [20] Shih Wen Hsiao, Fu Yuan Chiu, and Chong Shian Chen. Applying Aesthetics Measurement to Product Design. *International Journal of Industrial Ergonomics*, 38(11-12):910–920, 2008.
- [21] Tahira N. Reid, Richard D. Gonzalez, and Panos Y. Papalambros. Quantification of Perceived Environmental Friendliness for Vehicle Silhouette Design. *ASME Journal of Mechanical Design*, 132(10):101010, 2010.
- [22] Khusnun Widiyati and Hideki Aoyama. A Study of Kansei Engineering in PET Bottle Silhouette. In *Proceedings of the ASME 2011 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, pages 849–858, 2011.
- [23] Brian Sylcott, Jeremy J Michalek, and Jonathan Cagan. Towards Understanding the Role of Interaction Effects in Visual Conjoint Analysis. In *Proceedings of the ASME 2013 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, page V03AT03A012, Portland, Oregon, USA, August 2013.
- [24] Noah Tovaes, Peter Boatwright, and Jonathan Cagan. Experiential Conjoint Analysis: An Experience-Based Method for Eliciting, Capturing, and Modeling Consumer Preference. *ASME Journal of Mechanical Design*, 136(10):101404, 2014.

- [25] Gunay Orbay, Luoting Fu, and Levent Burak Kara. Deciphering the Influence of Product Shape on Consumer Judgments Through Geometric Abstraction. *ASME Journal of Mechanical Design*, 137(8):081103, 2015.
- [26] Liangliang Nan, Andrei Sharf, Ke Xie, Tien-Tsin Wong, Oliver Deussen, Daniel Cohen-Or, and Baoquan Chen. Conjoining Gestalt Rules for Abstraction of Architectural Drawings. In *Proceedings of the 2011 ACM SIGGRAPH Asia Conference*, page 185, 2011.
- [27] Miles A Kimball. Visual Design Principles: An Empirical Study of Design Lore. *Journal of Technical Writing and Communication*, 43(1):3–41, 2013.
- [28] Jeffrey F Durgee. Product Drama. *Journal of Advertising Research*, 28(1):42–49, 1988.
- [29] Klaus Zwerina. *Discrete Choice Experiments in Marketing*. Contributions to Management Science. Physica-Verlag HD, Heidelberg, 1997.
- [30] Kenneth E. Train. *Discrete Choice Methods with Simulation, Second Edition*. Cambridge University Press, New York, NY, 2009.
- [31] D. Raghavarao, J. B. Wiley, and P. Chitturi. *Choice-based Conjoint Analysis: Models and Designs*. CRC Press, 2010.
- [32] W. F. Kuhfeld. *Marketing Research Methods in SAS: Experimental Design, Choice, Conjoint, and Graphical Techniques*. SAS Institute, 2010.
- [33] Jordan J. Louviere, Terry N. Flynn, and Richard T. Carson. Discrete Choice Experiments Are Not Conjoint Analysis. *Journal of Choice Modelling*, 3(3):57–72, 2010.
- [34] Tahira N Reid, Bart D Frischknecht, and Panos Y Papalambros. Perceptual Attributes in Product Design: Fuel Economy and Silhouette-based Perceived Environmental Friendliness Tradeoffs in Automotive Vehicle Design. *ASME Journal of Mechanical Design*, 134(4):041006, 2012.

- [35] Ambrosio Valencia-Romero and José E Lugo. Part-Worth Utilities of Gestalt Principles for Product Esthetics: A Case Study of a Bottle Silhouette. *ASME Journal of Mechanical Design*, 138(8):081102, 2016.
- [36] Ambrosio Valencia-Romero and José E Lugo. An Immersive Virtual Discrete Choice Experiment for Elicitation of Product Aesthetics Using Gestalt Principles. Submitted to the *Design Science Journal*, 2016.
- [37] Ambrosio Valencia-Romero and José E Lugo. Quantification of Symmetry, Parallelism, and Continuity as Continuous Design Variables for Three-Dimensional Product Representations. In *Proceedings of the ASME 2016 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, 2016.
- [38] JoAndrea Hoegg. Beyond Aesthetics: Seeing Form and Believing in Function. *GfK Marketing Intelligence Review*, 7(2):40–45, 2015.
- [39] Raji Srinivasan, Gary L Lilien, Arvind Rangaswamy, Gina M Pingitore, and Daniel Seldin. The Total Product Design Concept and an Application to the Auto Market. *Journal of Product Innovation Management*, 29(S1):3–20, 2012.
- [40] Ian Tseng, Jonathan Cagan, Kenneth Kotovsky, and Matthew Wood. Form Function Fidelity. *ASME Journal of Mechanical Design*, 135(1):011006, 2013.
- [41] Ioana Crăciun, Florina Rusu, and Lucian Tudose. Aesthetic Optimization of a Basic Shape. *Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering*, 58(2), 2015.
- [42] Tahira N. Reid, Erin F. MacDonald, and Ping Du. Impact of Product Design Representation on Customer Judgment. *ASME Journal of Mechanical Design*, 135(9):091008, 2013.
- [43] Kosa Goucher-Lambert and Jonathan Cagan. The Impact of Sustainability on Consumer Preference Judgments of Product Attributes. *ASME Journal of Mechanical Design*, 137(8):081401, 2015.

- [44] GÃijnay Orbay and Levent Burak Kara. Shape Design From Exemplar Sketches Using Graph-Based Sketch Analysis. *ASME Journal of Mechanical Design*, 134(11):111002, 2012.
- [45] Florina Rusu, Ioana Crăciun, and Lucian Tudose. Statistical Evaluation of Aesthetic Shapes. *Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering*, 58(4), 2015.
- [46] Brian McManus. Why are plane windows round? *Real Engineering*. Online. Jan. 2016. <https://www.youtube.com/watch?v=7rXGRPMD-GQ>, 2016.
- [47] Steve Bergen and Brian J Ross. Aesthetic 3D Model Evolution. In *Proceedings of the First International Conference on Evolutionary and Biologically Inspired Music, Sound, Art and Design, EvoMUSART 2012*, pages 11–22, Málaga, Spain, April 2012. Springer.
- [48] Kate Reed. Aesthetic Measures for Evolutionary Vase Design. In *Proceedings of the Second International Conference on Evolutionary and Biologically Inspired Music, Sound, Art and Design, EvoMUSART 2013*, pages 59–71, Vienna, Austria, April 2013. Springer.
- [49] Johan Wagemans, James H Elder, Michael Kubovy, Stephen E Palmer, Mary A Peterson, Manish Singh, and Rüdiger von der Heydt. A Century of Gestalt Psychology in Visual Perception: I. Perceptual Grouping and Figure-Ground Organization. *Psychological bulletin*, 138(6):1172–1217, 2012.
- [50] Johan Wagemans, Jacob Feldman, Sergei Gepshtein, Ruth Kimchi, James R Pomerantz, Peter A van der Helm, and Cees van Leeuwen. A Century of Gestalt Psychology in Visual Perception: II. Conceptual and Theoretical Foundations. *Psychological bulletin*, 138(6):1218–1252, 2012.
- [51] Kurt Koffka. *Principles of Gestalt Psychology*. Lund Humphries, London, 1935.
- [52] James R Pomerantz and Michael Kubovy. Perceptual Organization: An Overview. *Perceptual organization*, pages 423–456, 1981.

- [53] Colin Ware. *Information Visualization: Perception for Design*. Interactive technologies. Morgan Kaufmann, Waltham, MA, 2013.
- [54] Manish Singh, Gregory D Seyranian, and Donald D Hoffman. Parsing Silhouettes: The Short-Cut Rule. *Perception & Psychophysics*, 61(4):636–660, 1999.
- [55] Miquel Prats, C Earl, Steve Garner, and Iestyn Jowers. Shape Exploration of Designs in a Style: Toward Generation of Product Designs. *AIE EDAM: Artificial Intelligence for Engineering Design, Analysis, and Manufacturing*, 20(03):201–215, 2006.
- [56] R.A.G. Post, J. Blijlevens, and P. Hekkert. “To Preserve Unity while almost Allowing for Chaos”: Testing the Aesthetic Principle of Unity-in-Variety in Product Design. *Acta Psychologica*, 163:142 – 152, 2016.
- [57] Aditi Bajaj and Samuel D. Bond. Beyond Beauty: Design Symmetry and Brand Personality. In Rajeev Batra, Colleen Seifert, and Diann Brei, editors, *The Psychology of Design: Creating Consumer Appeal*, chapter 8, pages 107–120. Routledge, 2015.
- [58] Antonios Stamatogiannakis, Jonathan Luffarelli, and Haiyang Yang. How to Use Visual Design to Boost Brand Equity. In Rajeev Batra, Colleen Seifert, and Diann Brei, editors, *The Psychology of Design: Creating Consumer Appeal*, chapter 9, pages 121–132. Routledge, 2015.
- [59] Minu Kumar. Aesthetic Principles of Product Form and Cognitive Appraisals: Predicting Emotional Responses to Beauty. In Rajeev Batra, Colleen Seifert, and Diann Brei, editors, *The Psychology of Design: Creating Consumer Appeal*, chapter 17, pages 234–251. Routledge, 2015.
- [60] Michael Leyton. Process Grammar: The Basis of Morphology. *Springer-Verlag New York*, 2012.
- [61] S Bradley. *Design Fundamentals: Elements, Attributes & Principles*. Boulder: Vanseo Design, 2013.

- [62] James R. Pomerantz and Anna I. Cragin. Emergent Features and Feature Combination. In Johan Wagemans, editor, *The Oxford Handbook of Perceptual Organization*, chapter 5, pages 88–107. Oxford University Press, 2015.
- [63] Marco Bertamini, Letizia Palumbo, Tamara Nicoleta Gheorghes, and Mai Galatsidas. Do Observers Like Curvature or Do They Dislike Angularity? *British Journal of Psychology*, 107(1):154–178, 2016.
- [64] Manish Singh and Jacqueline M Fulvio. Bayesian Contour Extrapolation: Geometric Determinants of Good Continuation. *Vision Research*, 47(6):783–798, 2007.
- [65] Charles F Manski. Daniel McFadden and the Econometric Analysis of Discrete Choice. *The Scandinavian Journal of Economics*, pages 217–229, 2001.
- [66] Daniel McFadden. Conditional Logit Analysis of Qualitative Choice Behavior. In P Zarembka, editor, *Frontiers in Econometrics*, pages 105–142. Academic Press, 1974.
- [67] Vithala R Rao. *Applied Conjoint Analysis*. Springer, 2014.
- [68] Moshe Ben-Akiva, Daniel McFadden, and Kenneth Train. Foundations of Stated Preference Elicitation. Technical report, Department of Economics, University of California, Berkeley, <http://eml.berkeley.edu/~train/foundations.pdf>, 2015.
- [69] Seth Orsborn and Jonathan Cagan. Multiagent Shape Grammar Implementation: Automatically Generating Form Concepts According to a Preference Function. *ASME Journal of Mechanical Design*, 131(12):121007, 2009.
- [70] Jonathan Steuer. Defining Virtual Reality: Dimensions Determining Telepresence. In Frank Biocca and Mark R Levy, editors, *Communication in the Age of Virtual Reality*, chapter 3, pages 33–56. Lawrence Erlbaum Hillsdale, NJ, 1995.
- [71] M.M. Wloka. Interacting with Virtual Reality. In Joachim Rix, Stefan Haas, and José Teixeira, editors, *Virtual Prototyping: Virtual Environments and the Product Design Process*, chapter 16, pages 199–212. Springer US, 1995.

- [72] Susanna Aromaa and Kaisa Väänänen. Suitability of Virtual Prototypes to support Human Factors/Ergonomics Evaluation during the Design. *Applied Ergonomics*, 56:11–18, 2016.
- [73] Thomas Hilfert and Markus König. Low-cost Virtual Reality Environment for Engineering and Construction. *Visualization in Engineering*, 4(1):1–18, 2016.
- [74] Rafael Sacks, Jennifer Whyte, Dana Swissa, Gabriel Raviv, Wei Zhou, and Aviad Shapira. Safety by Design: Dialogues between Designers and Builders using Virtual Reality. *Construction Management and Economics*, 33(1):55–72, 2015.
- [75] Hsiu-Mei Huang, Shu-Sheng Liaw, and Chung-Min Lai. Exploring Learner Acceptance of the Use of Virtual Reality in Medical Education: A Case Study of Desktop and Projection-based Display Systems. *Interactive Learning Environments*, 24(1):3–19, 2016.
- [76] Rodrigo Pérez Fernández and Verónica Alonso. Virtual Reality in a Shipbuilding Environment. *Advances in Engineering Software*, 81:30–40, 2015.
- [77] Glyn Lawson, Davide Salanitri, and Brian Waterfield. Future Directions for the Development of Virtual Reality within an Automotive Manufacturer. *Applied Ergonomics*, 53, Part B:323–330, 2016. Transport in the 21st Century: The Application of Human Factors to Future User Needs.
- [78] Panayiotis Koutsabasis, Spyros Vosinakis, Katerina Malisova, and Nikos Paparounas. On the Value of Virtual Worlds for Collaborative Design. *Design Studies*, 33(4):357–390, 2012.
- [79] Francisco Rebelo, Paulo Noriega, Emília Duarte, and Marcelo Soares. Using Virtual Reality to Assess User Experience. *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 54(6):964–982, 2012.
- [80] ME Portman, A Natapov, and D Fisher Gewirtzman. To go where no man has gone before: Virtual Reality in Architecture, Landscape Architecture and Environmental Planning. *Computers, Environment and Urban Systems*, 54:376–384, 2015.

- [81] Klaus Backhaus, Jonas Jasper, Katharina Westhoff, J  irgen Gausemeier, Michael Grafe, and J  rg St  cklein. Virtual Reality Based Conjoint Analysis for Early Customer Integration in Industrial Product Development. *Procedia {CIRP}*, 25:61 – 68, 2014. 8th International Conference on Digital Enterprise Technology - {DET} 2014 Disruptive Innovation in Manufacturing Engineering towards the 4th Industrial Revolution.
- [82] Karl Ingo Friese, Marc Herrlich, and Franz Erich Wolter. Using Game Engines for Visualization in Scientific Applications. In Paolo Ciancarini, Ryohei Nakatsu, Matthias Rauterberg, and Marco Roccetti, editors, *New Frontiers for Entertainment Computing*, chapter 2, pages 11–22. Springer, 2008.
- [83] Zoe Kosmadoudi, Theodore Lim, James Ritchie, Sandy Louchart, Ying Liu, and Raymond Sung. Engineering Design using Game-enhanced CAD: The Potential to Augment the User Experience with Game Elements. *Computer-Aided Design*, 45(3):777–795, 2013.
- [84] Monica Bordegoni. Product Virtualization: An Effective Method for the Evaluation of Concept Design of New Products. In Bordegoni. Monica and Caterina Rizzi, editors, *Innovation in Product Design: From CAD to Virtual Prototyping*, chapter 7, pages 117–141. Springer, 2011.
- [85] Niloy J. Mitra, Mark Pauly, Michael Wand, and Duygu Ceylan. Symmetry in 3D Geometry: Extraction and Applications. *Computer Graphics Forum*, 32(6):1–23, 2013.
- [86] Peter van der Helm. Symmetry Perception. In Johan Wagemans, editor, *The Oxford Handbook of Perceptual Organization*, chapter 6, pages 108–128. Oxford University Press, First edition, 2015.
- [87] Tom    Suk and Jan Flusser. Recognition of Symmetric 3D Bodies. *Symmetry*, 6(3):722–757, 2014.

- [88] Agnè Desolneux, Lionel Moisan, and Jean-Michel Morel. Gestalt Theory and Computer Vision. In *Seeing, Thinking and Knowing*, pages 71–101. Springer, 2004.
- [89] Marc K Albert. Parallelism and the Perception of Illusory Contours. *Perception*, 22:589–595, 1993.
- [90] Manish Singh and Jacqueline M Fulvio. Visual Extrapolation of Contour Geometry. *Proceedings of the National Academy of Sciences of the United States of America-PNAS*, 102(3):939–944, 2005.
- [91] Chengcheng Tang, Pengbo Bo, Johannes Wallner, and Helmut Pottmann. Interactive Design of Developable Surfaces. *ACM Transactions on Graphics-TOG*, 35(2):12, 2016.
- [92] Wen-Yong Gong, Yong-Jin Liu, Kai Tang, and Tie-Ru Wu. Variational Discrete Developable Surface Interpolation. *ASME Journal of Computing and Information Science in Engineering*, 14(2):021002, 2014.
- [93] Jan Möbius and Leif Kobbelt. OpenFlipper: An Open Source Geometry Processing and Rendering Framework. In *Curves and Surfaces*, pages 488–500. Springer, 2010.
- [94] Eric C Johnshon. “STLREAD: Function to Read .stl files in MATLAB”. Math-Works, 2008.
- [95] Harlen Costa Batagelo and Shin-Ting Wu. Estimating Curvatures and their Derivatives on Meshes of Arbitrary Topology from Sampling Directions. *The Visual Computer*, 23(9-11):803–812, 2007.
- [96] John Joseph Horton and Lydia B Chilton. The Labor Economics of Paid Crowdsourcing. In *Proceedings of the 11th ACM Conference on Electronic Commerce*, pages 209–218, 2010.
- [97] Rune Haubo Bojesen Christensen. “ORDINAL: Regression Models for Ordinal Data”. CRAN, <https://cran.r-project.org/web/packages/ordinal>, 2015.

- [98] Mauricio Sarrias. “RCHOICE: Discrete Choice (Binary, Poisson and Ordered) Models with Random Parameters”. CRAN, <https://cran.r-project.org/web/packages/Rchoice>, 2015.
- [99] Gerald Farin. *Curves and Surfaces for Computer-Aided Geometric Design: A Practical Guide*. Academic Press, San Diego, CA, 1997.
- [100] Tetsuo Oya, Fumihiko Kimura, and Hideki Aoyama. Style Design System based on Class A Bézier Curves for High-Quality Aesthetic Shapes. In *Proceedings of the ASME 2012 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*, pages 627–635, 2012.
- [101] Kuang-Hua Chang. *Product Design Modeling using CAD/CAE: The Computer Aided Engineering Design Series*. Academic Press, Waltham, MA, 2014.
- [102] J Sedivy and S Hubalovsky. Mathematical Foundations and Principles in Practice of Computer Aided Design Simulation. *International Journal of Mathematics and Computers in Simulation*, 6(1):230–237, 2012.
- [103] Chinyere Okechi Onwubiko. *Foundations of Computer-Aided Design*. West Publishing Company, 1989.
- [104] Francesco Ferrise, Monica Bordegoni, and Umberto Cugini. Interactive Virtual Prototypes for Testing the Interaction with New Products. *Computer-Aided Design and Applications*, 10(3):515–525, 2013.
- [105] Carl DiSalvo and Francine Gemperle. From Seduction to Fulfillment: The Use of Anthropomorphic Form in Design. In *Proceedings of the 2003 International Conference on Designing Pleasurable Products and Interfaces*, pages 67–72. ACM, 2003.
- [106] Charles Cronin. Genius in a Bottle: Perfume, Copyright, and Human Perception. *Journal of the Copyright Society of the U.S.A.*, 56:427–462, 2009.

- [107] Bill Lindsey. Bottle Typing (Typology) & Diagnostic Shapes. In *Historic Glass Bottle Identification and Information Website*. Society for Historical Archaeology website, University of Montana, <http://www.sha.org/bottle/typing.htm>, 2009.
- [108] Kenneth Train and Garrett Sonnier. Mixed Logit with Bounded Distributions of Correlated Partworths. In Riccardo Scarpa and Anna Alberini, editors, *Applications of Simulation Methods in Environmental and Resource Economics*, volume 6, chapter 7, pages 117–134. Springer, 2005.
- [109] Kenneth E. Train. MATLAB Code to Estimate a Mixed Logit Model with Hierarchical Bayes Procedures. Technical report, Department of Economics, University of California, Berkeley, <http://eml.berkeley.edu/software/abstracts/train1006mxlhb.html>, 2006.
- [110] Epic Games, Inc. What is Unreal Engine 4? <https://www.unrealengine.com/what-is-unreal-engine-4>, 2014.
- [111] Autodesk, Inc. Make it with Maya <http://www.autodesk.com/products/maya/overview>, 2016.
- [112] Autodesk, Inc. Create Amazing Worlds in 3ds Max <http://www.autodesk.com/products/3ds-max/overview>, 2016.
- [113] The Blender Foundation. About Blender <https://www.blender.org/about/>, 2016.
- [114] Dassault Systèmes. SolidWorks in Academia <http://www.solidworks.com/sw/industries/engineering-education-software.htm>, 2015.
- [115] Epic Games, Inc. Unreal Engine’s Users: Rama, <https://wiki.unrealengine.com/user:rama>, 2014.
- [116] Oculus VR, LLC. Oculus Rift, Virtual Reality Headset for 3D Gaming, <http://www.oculus.com>, 2014.

BIOGRAPHICAL SKETCH

Ambrosio Valencia-Romero (born December 25, 1989) is a Colombian-Venezuelan engineer. Valencia-Romero's work focuses on multidisciplinary optimization, systems analysis, and design, having participated in a variety of research groups such as the [Robotics Systems Design](#) at the [Universidad Del Atlántico](#), the Machinery and Propulsion Division at [COTECMAR Ship Design](#), and the [Human Centered Design Laboratory](#) of the [University of Puerto Rico–Mayagüez Campus](#). His professional affiliations include the [American Society of Mechanical Engineers](#)(2016/02–2017/06), the [The Design Society](#) (2016/02–2017/02), and [The Honor Society of Phi Kappa Phi](#). Valencia-Romero has coauthored several publications in Colombia and the U.S., and presented in international conferences. His goal is to serve as principal investigator of relevant interdisciplinary projects in conjunction with research and development organizations.

ELICITATION OF PART-WORTH UTILITIES OF QUANTIFIED GESTALT PRINCIPLES FOR PRODUCT AESTHETICS

Ambrosio De Jesús Valencia Romero
ambrosiode.valencia@upr.edu

Chair: José E. Lugo Ortiz
jose.lugo2@upr.edu

Department of Mechanical Engineering
Degree: Master of Science
Graduation Date: June 2016

This research explores the use of quantified Gestalt principles of symmetry, parallelism, and continuity as design variables to evaluate the aesthetics of two-dimensional and three-dimensional product representations. To this end, three studies based in discrete choice experimentation methods were conducted to determine the effect, in the form of part-worth utility estimates, of each of the Gestalt principles in question on subjects' preferences for several bottle designs with different Gestalt values. These experiments were performed with the aid of online survey tools and virtual reality systems. The analysis of the choice data using Bayesian-based mixed logit regression provides details on the aesthetic utility of the principles assessed, their distribution among the participant population, and correlation between part-worth utility estimates. The results show that symmetry, parallelism, and continuity quantifications can be used to predict aesthetic subject preference. This methodology allows designers to delve into the integration of aesthetics as a measurable property during the product development process.