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SIMULATION D'HYPOTHESES EMISES PAR PROPP et LEVI-STRAUSS

EN UTILISANT UN SYSTEME DE SIMULATION META-SYMBOLIQUE

Sheldon KLEIN
John F. AESCHLIMANN
Matthew A. APPELBAUM
David F. BALSIGER
Elizabeth J. CURTIS
Mark FOSTER
S. David KALISH
Ying-Da LEE
Lynne A. PRICE

*SIMULATION D'HYPOTHESES EMISES PAR PROPP & LEVI-STRAUSS
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1.0. INTRODUCTION

Nous présentons ici les résultats de la construction et de l'exécution d'un modèle automatisé du travail fait par Propp dans "la Morphologie du Conte" en ce qui concerne les contes populaires russes à un mouvement. Cette présentation comprend un listage complet du code correspondant au modèle comportant en zone commentaire des références à la deuxième traduction anglaise de cet ouvrage (Propp, 1968), ainsi que le texte imprimé de 60 récits de contes différents générés par le modèle automatisé à la vitesse moyenne de 128 mots par seconde (ce temps comprenant le calcul de l'intrigue, de la structure profonde et de la structure en surface des phrases), le temps étant calculé pour des passages faits sur un Univac 1110.

Toutefois, afin d'introduire à la méthode, on présentera tout d'abord un modèle plus simple qui permet de produire les mythes 1, 2, 12, 124 et 125 de l'ouvrage de Levi-Strauss "le cru et le cuit" (1969). A la différence du modèle précédent, celui-ci ne permet de reconstituer que ces cinq intrigues et aucune autre. L'analyse de ce cas devrait rendre la compréhension du modèle de Propp plus aisée.

Dans une version précédente de cet article (Klein et al., 1974), un premier modèle permettant la reconstitution des mythes cités par Levi-Strauss était présenté. Pierre Maranda fit un commentaire critique de ce

(1) Le manuel d'utilisation de ce système (MESSY * 3) peut être consulté en s'adressant à Monsieur Philippe RICHARD, Centre d'Ethnologie Française, 6 route du Mahatma Gandhi - 75116 PARIS.

modèle. Celui qui est présenté ici est une tentative pour satisfaire les contraintes minimales énoncées par lui comme nécessaires pour pouvoir simuler la démarche de Levi-Strauss, en particulier la possibilité de réaliser une transformation à double effet. Le modèle de Propp a également été révisé et les 60 contes merveilleux ainsi produits sont nouveaux.

Ces deux modèles ont été programmés dans un langage spécifique de simulation du comportement qui fait partie d'un système que nous avons décidé d'appeler un "système de simulation méta-symbolique". Ce système est capable de reproduire divers modèles de comportement et permet de leur associer systèmes syntaxiques et sémantiques.

Les modèles utilisés comme données dans le cadre de cette étude ne permettent de tester qu'une partie des possibilités et du domaine d'application du système de simulation méta-symbolique. Cette affirmation mérite d'être reprise : les modèles de Levi-Strauss et de Propp présentés ici sont des données qui permettent d'éprouver la validité du système dans lequel ils sont formulés. Un modèle permettant de produire des énigmes policières a également servi de test et le domaine d'application du système comprend des modèles démographiques et socio-culturel de sociétés réelles.

L'idée d'utiliser des simulations du Folklore comme jeux d'essais fut suggérée au premier des auteurs (Sh. Klein) durant une conférence pluridisciplinaire tenue au Centre pour la recherche pluridisciplinaire, Bielefeld, Allemagne du 18 au 22 février 1974 ("The Role of Grammar in Non-automised and Automised Text processing Systems" ; la conférence était organisée par J.S. Petöfi et T.A. van Dijk qui sont parmi les principaux représentants des recherches nouvelles en matière de grammaires de texte. Un groupe de folkloristes participait à cette conférence, en particulier Heda Jason, Elli Köngäs Maranda, Dimitri Segal, Milaly Hoppal, et Michel de Virville. Jason, Segal et Köngäs Maranda nous persuadèrent de travailler immédiatement à la construction de modèles dans le domaine du folklore. Nous devons une reconnaissance particulière au travail de Pierre Maranda et Elli Köngäs Maranda, "A sketch of the Okanagan Myth Automaton" présenté par Elli Köngäs Maranda,

ainsi qu'à une étude faite par Philippe Richard et Michel de Virville. Pierre Maranda travaille par ailleurs à la construction d'un modèle automatisé de Propp.

Nous devons également citer Ed Kahn qui dans sa dissertation de Ph D (Kahn, 1973) fit mention du modèle d'énigmes policières (Klein et al., 1973, Automatic novel writing : a status report) d'une façon telle que le modèle utilisé comme test était confondu avec le système qui permettait de l'implémenter. Les remarques faites par lui à cette occasion ainsi que dans un débat publié par ailleurs suggéraient aussi que le système était incapable de traiter la complexité des quantifications logiques devant être utilisées dans des modèles adaptés au folklore. La présentation donnée ici, des modèles de Propp et Levi-Strauss devrait régler ce différent. Il faut aussi noter que cet article devrait répondre aux critiques formulées contre le développement des grammaires de texte par Dascal et Margalit (1974).

2.0. HISTORIQUE ET REFERENCE

Parmi les auteurs de cette étude, Lynne Price a produit le schéma du modèle de Levi-Strauss et Aeschlimann a écrit les instructions dans le programme de simulation correspondant, Applebaum et Kalish ont écrit le programme du modèle de Propp et Kamin s'est occupé des questions concernant le système. Aeschlimann, Appelbaum, Kamin et Lee sont les auteurs des principales additions au système de simulation méta-symbolique utilisées dans cette étude. Balsiger et Foster ont mis au point des modules qui génèrent le langage naturel et la rédaction des grammaires utilisées. Klein, Curtis et Price travaillent au modèle automatisé qui permettra de reproduire l'ensemble des mythes du "cru et le cuit".

Ce travail est une extension du système décrit dans l'étude de Klein et al. (1973), et Klein et al. (1971). Parmi les prédecesseurs directs de celui-ci, on compte Klein et Simmons (1963) Klein (1965 a et b), Klein et al. (1966). Une liste non-exhaustive de travaux en relation avec celui-ci comporte (réseaux sémantiques automatisés) : Quillian (1966), Schank (1969, 1972), Schank & Rieger (1973), Mel' Chuk &

Zholkovskij (1970) ; (variantes du calcul de prédicats du 1er ordre comme partie de la base sémantique dans un système permettant la production de langage naturel) : Mc Cawley (1968), Bach & Harms (1968), Lakoff (1969), Green & Raphael (1968), Coles (1968), Petöfi (1973) ; (Passage du langage naturel à des représentations sémantiques, systèmes de simulations et de déductions) : Kellogg (1968), Heidorn (1972), Simmons (en préparation), Green & Raphael (1968), et Coles (1968).

3.0. LE SYSTEME DE SIMULATION META-SYMBOLIQUE

On peut décomposer le système de simulation meta-symbolique en trois parties : un langage de simulation du comportement qui permet de représenter, de produire et de manipuler des événements dans un système de discours donné et ceci dans les termes fournis par la deuxième partie : un réseau sémantique composé d'objets et de relations abstraits. La troisième partie est un mécanisme de production qui va de la sémantique à une représentation de la structure de surface et qui permet de décrire les changements dans l'état du réseau sémantique dans le langage pour lequel la grammaire a été implémentée. Dans cet article, on ne considèrera que les principales caractéristiques de ce système. Une version plus détaillée de cette présentation se trouve dans Klein et al. (1973).

3.1. Langage de simulation, objets et relations

Chacune des instructions du langage de simulation se compose de deux parties : une liste d'actions et une liste de conditions. Les actions peuvent consister en adjonctions ou suppressions au réseau sémantique, ainsi que d'actions plus complexes qui seront décrites plus tard. Les conditions sont des tests portant sur la présence ou l'absence de structures déterminées dans le réseau sémantique. La réalisation de la liste d'action peut être une fonction déterministe ou aléatoire de la valeur logique prise par la liste des conditions. En ce sens, la relation entre conditions et actions peut être rapprochée de la "présupposition".

Un système de contrôle du "temps" gère l'enchaînement de l'application des différentes règles ou des groupes de règles. Toutes les règles d'un même groupe sont évaluées au même moment.

Les objets et les relations forment par leur combinaison des "triplets sémantiques", ceux-ci sont les unités fondamentales du système. A chaque objet sémantique (et à chaque relation) est attribué un numéro unique. Il en est de même pour les triplets sémantiques (qui se composent de deux ou trois objets en relation dissymétrique). Les règles du langage de simulation permettent la création ou la suppression du triplet. A chaque triplet est associé la "date" de sa création et celle de sa suppression. Si le même triplet est répété plusieurs fois, il lui est associé la liste des dates correspondantes.

Les objets et les relations sont des entités sémantiques abstraites. Leur signification réside dans l'ensemble des informations qui leur sont associées. Un objet sémantique est ainsi relié à plusieurs types de structures; parmi ces liens, il faut compter la référence lexicale qui consiste en une liste de renvois à un dictionnaire de racines appartenant au langage naturel retenu pour la représentation de surface. Les entrées de ce dictionnaire peuvent consister en racines de mots uniques ou de composés qui permettent l'expression d'objets ou de relations sémantiques. La liste de renvois de deux objets différents peut désigner la même racine (homonymie).

Un deuxième type de structure peut être associé à un objet ou à une relation ; il s'agit du "triplet lexical". La forme de celui-ci est la même que celle du triplet sémantique ; toutefois, les triplets lexicaux ne font pas partie du réseau sémantique (en particulier, ils ne leur est pas assigné un numéro d'identification). Les triplets lexicaux peuvent servir diverses fonctions, parmi lesquelles la représentation d'une unité sémantique par une expression idiomatique et plus généralement par une chaîne de mots incluant un verbe. Les objets et les relations dans les triplets lexicaux doivent être des unités déjà identifiées dans le système et sont eux-mêmes reliés à des listes d'expressions lexicales ou d'autres structures permettant leur représentation. Ainsi, la représentation récursive est-elle possible.

Un objet sémantique peut-être également relié à une liste de renvois vers des triplets appartenant au réseau sémantique. On dira dans ce cas que l'objet constitue un noeud "prédicat multiple" du réseau (chaque triplet ayant un numéro unique, la liste de renvois est en fait une liste de numéros). De tels "prédicats multiples" peuvent être utilisés comme des variables du discours. Ainsi, dans le discours, un objet abstrait peut être relié à l'expression lexicale "that" et associé à l'ensemble des triplets représentant l'expression "what John knows" afin de permettre la représentation d'une phrase du type "John knows that ...". Ces structures peuvent être réflexives et récursives sans limitation de niveau. Ainsi la liste de références d'un prédicat multiple qui apparaît dans un triplet peut comporter le numéro d'identification de ce même triplet. Ceci permet la représentation de structures de surface du type : "he knows that he knows ...".

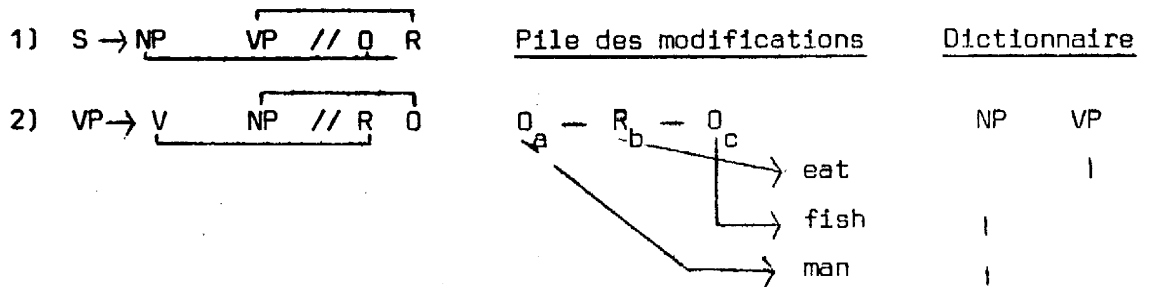
Le système permet également la définition de classes dont les règles d'appartenance peuvent être modifiées sous l'effet des actions incluses : les classes d'objets et les classes de relations. Chaque intitulé de classe est un objet ou une relation sémantique. Des classes indicées peuvent être également définies, les indices étant eux-mêmes des objets ou des relations sémantiques. Ce dispositif d'indexation des classes est d'une importance majeure pour permettre la définition logique de catégories de textes.

3.2. Le passage de la sémantique à la construction d'une surface.

A chaque entrée du dictionnaire, est associé l'indication de toutes les catégories, terminales ou non, de l'algorithme de construction de phrases qui peuvent leur être appliquées. Ainsi, on pourra indiquer pour une racine qu'elle peut servir comme substantif ou comme verbe mais non comme préposition. Ces informations sont contenues dans un vecteur binaire associé à la racine. A chaque racine sont également associées les transformations nécessaires pour leur permettre de fonctionner comme représentant ces catégories. Les variantes d'une même racine apparaissent séparément et leur choix est déterminé par la transformation qui est appliquée à la catégorie grammaticale.

Le système est construit afin d'associer à une liste de triplets sémantiques une structure de surface qui lui corresponde. Cette liste appelée "pile des modifications" est créée par le programme de simulation, et dans le cas des modèles décrits ici, elle correspond aux triplets créés le plus récemment par l'application des règles que le programme met en oeuvre.

Une règle pour la traduction d'un triplet sémantique en langage naturel se compose de deux parties : une dérivation grammaticale et une forme canonique représentant le triplet ou la partie de triplet à traduire. Chaque élément de la forme canonique peut être associé à l'un des symboles de la partie de droite de la dérivation grammaticale. Par exemple :



Le système recherche en premier lieu une règle dont la forme canonique s'applique au triplet complet qui se trouve sur le sommet de la pile des changements. Il faut que les correspondances ainsi établies entre les objets du triplet et les symboles figurant dans la dérivation grammaticale soient compatibles avec les indications figurant par ailleurs dans le dictionnaire. Si une adéquation complète n'est pas possible, on cherche à l'obtenir avec le doublet de gauche, puis avec le doublet de droite du triplet. Ainsi dans l'ensemble, la règle 1 s'applique à la moitié gauche du triplet qui se trouve dans la pile. Quand une règle de production est ainsi sélectionnée, l'unité lexicale associée à l'objet ou à la relation concernée dans le triplet, est aussitôt sélectionnée. Cette méthode diffère des systèmes génératifs usuels qui procèdent à la construction de l'arbre syntaxique complet avant de sélectionner les unités syntaxiques. Ici, les unités lexicales sont choisies dès qu'apparaissent de nouveaux symboles non-terminaux. Les références à ces

unités lexicales associées sont transmises au descendant de ces noeuds non-terminaux et ainsi de suite jusqu'à leur rattachement éventuel à un symbole terminal. Lorsqu'il y a plusieurs triplets dans la pile de modifications, des informations de contrôle peuvent indiquer au programme qu'il convient de poursuivre le processus afin de traduire plusieurs triplets par la même structure de surface. Le travail exécuté par les transformations est divisé en deux niveaux : supérieur et inférieur. Les transformations de niveau supérieur s'appliquent pendant la construction de l'arbre. L'environnement maximal sur lequel elles peuvent opérer consiste en un symbole non-terminal et ses descendants immédiats. Elles permettent d'insérer, de supprimer ou de permuter des symboles. Elles permettent également de le marquer pour l'application ultérieure d'une transformation de niveau inférieur. Ces marques sont transmises aux descendants appropriés et un symbole terminal peut être associé à plusieurs marques qui sont apparues à des moments différents du processus de production de la phrase.

On peut montrer que ce système est équivalent aux modèles plus traditionnels qui n'appliquent les transformations qu'après construction de l'arbre entier. C'est toutefois un avantage informatique majeur que de pouvoir faire intervenir chaque transformation au moment optimal quand les portions pertinentes de la structure arborescente sont immédiatement disponibles. Les programmes utilisant ces procédures usuelles nécessitent des recherches complexes qui multiplient leur temps d'exécution par un facteur 100 ou 1000 si on le compare aux performances du programme présenté ici. Ceci résulte de ce que les temps de recherche augmentent exponentiellement avec la taille et la complexité des phrases ; alors que dans notre système, le temps de traitement est une fonction linéaire de ce paramètre.

3.3. Dispositifs complexes.

Chaque groupe de règles possède un nom. Il peut être appelé dans les mêmes conditions qu'un sous-programme récursif. Le nom d'un objet ou d'une relation sémantique peut être également le nom d'un groupe de règles. Ainsi, un objet ou une relation peuvent être considérés dans cer-

tains contextes comme des unités sémantiques, dans d'autres comme des sous-programmes à exécuter.

Les règles peuvent être formulées en utilisant les noms de classes. Ainsi, au lieu de définir une règle pour "John Loves Mary", on pourra l'établir pour les phrases du type "Person Affection Person". La même règle peut donc gouverner une grande variété de cas.

Une classe peut contenir des objets qui soient tous des noms de groupes de règles. On peut alors utiliser le contenu ordonné de cette classe d'objets comme une suite ordonnée d'appels à des sous-programmes. Ce dispositif permet d'établir une équivalence entre les objets et les actions d'une même classe. Ceci est particulièrement utile quand on cherche à reproduire des relations sémantiques complexes ou une séquence d'actions et une personne ou un objet peuvent manifester tous deux la même entité sémantique profonde.

Certaines possibilités sont ouvertes par le système qui ne sont pas utilisées ici, mais qui devraient l'être dans la poursuite de notre travail sur Propp.

Parmi celles-ci, il faut citer la capacité qu'a le système de simulation d'"anticiper" sur le développement futur de l'action et de prendre des décisions dans le "présent" en fonction de leurs conséquences attendues. Un exemple de règle de ce type pourrait être : "Si l'événement A est réalisé maintenant, l'événement B se produira-t-il à l'instant T ?". Une autre possibilité ouverte par le système consiste à représenter la signification des règles du langage de simulation lui-même dans la notation du réseau sémantique qui sert à enregistrer le sens du langage naturel. Il est alors possible de consulter les règles de comportement implicites qui gouvernent le modèle au même titre que les autres informations qu'il gère. Ceci rend relativement facile, si l'on a déjà construit des modèles génératifs automatisés, celle de systèmes automatiques d'analyse présuppositionnelle ou d'analyse structurale de contes ou de mythes.

4.0. UN NOUVEAU MODELE POUR CINQ MYTHES EXTRAITS DU "CRU ET LE CUIT".

Dans une version précédente de cette étude (Klein et Al., 1974), un modèle très simple des mythes 1,2,12,124 et 125 a été présenté en guise de pédagogie à la formulation plus complexe du modèle de Propp. A la suite des critiques exprimées par Pierre Maranda dans son commentaire sur la première version, le modèle a été corrigé et amendé pour satisfaire à la plupart des contraintes exprimées. Plus précisément, l'ambiguïté concernant le terme "water" a été levée, l'"alligator" a été pris en compte de même que les contrastes entre les mythes 1 et 124 et on a introduit la transformation à double effet, la totalité du schéma de la page 217 du "Cru et le cuit" (1964) est prise en compte, Maranda indiquant qu'il s'agit d'une propriété minimale que le modèle doit satisfaire. Par contre, on n'a pas tenté de prendre en compte celui de la page 202 (1964) comme l'indiquait Maranda. Mais des projets qui vont au-delà de ce problème sont présentés plus loin dans la section 8.

Le programme écrit pour reproduire ces mythes illustre plusieurs dispositifs du système de simulation méta-symbolique. Parmi ceux-ci, on peut noter : la quantification des fonctions en utilisant des classes indicées et l'utilisation des fonctions (ou scénarios exécutables), comme des éléments de telles classes. La combinaison de ces deux dispositifs permet, en utilisant des indices doubles afin de représenter des transformations à double effet (il convient de rappeler à cette occasion que si le modèle de Propp permet de générer un ensemble potentiellement infini de contes, le modèle de Levi-Strauss ne permet de reproduire que les mythes 1,2,12,124 et 125).

Les numéros de mythes sont traités comme des indices de classes. Tous les éléments ayant même valeur d'indice appartiennent au même mythe. Les différentes classes sont données par ordre alphabétique. Les éléments en majuscules correspondent aux noms de groupes de règles dans le schéma représentant le programme. Les classes à double indices, dont le nom est précédé d'une astérisque ("*"), voient leur premier indice déterminé par le numéro de mythe et le second par des événements appartenant à l'intrigue. Cette caractéristique est utilisée en particulier dans la transformation à double effet par le biais de la classe "* modify" qui ne con-

tient que des noms de groupes de règles. Les éléments ADD et SUB de cette classe sont des groupes de règles qui appellent eux-mêmes d'autres classes ("addition" et "subtraction"), dont les contenus sont également des noms d'autres groupes de règles.

Les pages qui suivent contiennent la liste des classes par ordre alphabétique puis une présentation schématique du programme. Pour faciliter la lecture, on a reporté à la fin le programme réel et la grammaire permettant le passage de la représentation sémantique au langage naturel. On trouve par contre les textes et la pile des modifications correspondantes à chacun des mythes tels qu'ils sont générés par notre programme, ainsi que l'analyse de la production du texte du mythe 12 dans le terme du schéma de programme. Dans cette précision simplifiée, le mécanisme de production du langage naturel est omis.

Classes (rule names are capitalized, double subscript classes are prefixed by '*')

myth	<u>addition</u>	<u>almostfalls</u>	<u>animal</u>
1	RAIN	SHOT	vulture
2	LAKE	---	---
12	FIRE	---	Jaguar
124	SEA	DIVULGE	alligator
125	RAIN	---	---

myth	<u>*animals</u>		
	1	2	3
1	hummingbird	dove	grasshopper
2	---	---	---
12	vultures	little birds	alligator
124	woodpecker	partridge	monkey
125	---	---	---

myth	<u>assoc</u>	<u>bloodshed</u>	<u>clan</u>	<u>collect</u>
1	---	---	---	gathers
2	disassociated	NOBLOOD	Baitogogo	picking
12	---	---	---	---
124	---	---	---	hunting
125	associated	BLOODY	---	hunting

myth	<u>defiled</u>	<u>defilement</u>	<u>deprivation</u>	<u>deprived</u>
1	---	---	---	---
2	defiled	excrement	mother	son
12	---	---	---	---
124	---	---	---	---
125	stained	blood	food	son

myth	<u>divide</u>	<u>eaten</u>	<u>*element</u>				
			1	2	3	4	
1	---	vulture	water	fire	---	---	
2	---	---	water	---	---	---	
12	---	---	water	---	---	fire	
124	---	---	water	---	---	---	
125	hero	---	water	---	---	---	

myth	<u>emotion</u>	<u>expedition</u>	<u>fault</u>	<u>findfamily</u>
1	---	palms	flies slowly	hero
2	ashamed	wildfruit	---	---
12	---	---	---	---
124	---	game	is talkative	---
125	angry	tapir	---	---

myth	<u>help</u>	<u>hero</u>	<u>husband</u>	<u>kill</u>
1	OBTAIN	hero	---	---
2	---	Baitogogo	---	KILL1
12	---	hero	Jaguar	---
124	COVER	Asare	---	---
125	---	Bepkorortl	---	KILL2

myth	<u>intro</u>	<u>*level</u>			
		1	2	3	4
1	---	celestial	terrestrial	---	---
2	NEWCHIEF	terrestrial	---	---	---
12	---	terrestrial	---	---	terrestrial
124	STARS	terrestrial	---	---	---
125	SKY	celestial	---	---	---

myth	<u>lie</u>	<u>lizards</u>	<u>liz</u>	<u>liz2</u>
1	---	FORFOOD	lizard	---
2	---	---	---	---
12	lie	---	---	---
124	---	ALLIGATOR	---	lizard
125	---	---	---	---

myth	<u>*modify</u>				<u>music</u>	<u>need</u>
	1	2	3	4		
1	ADD	SUB	---	---	---	SOULNEST
2	ADD	---	---	---	INSTRUMENTS	---
12	SUB	WIFE	REVEALS	ADD	---	---
124	ADD	---	---	---	PIGS	HIDE
125	ADD	---	---	---	---	---

myth	<u>*object</u>			<u>observer</u>
	1	2	3	
1	great dance rattle	small rattle	bells	---
2	---	---	---	son
12	---	---	---	---
124	bark	straw	rind	Asare
125	---	---	---	---

myth	<u>ornament</u>	<u>procurer</u>	<u>pursuit</u>	<u>rapist</u>
1	---	women of tribe	---	hero
2	ADORNMENTS	wife of Baitogogo	---	man from tapir clan
12	---	---	---	---
124	---	father	alligator	brothers
125	WARPAINT	men of tribe	---	---

myth	<u>reason</u>	<u>relation</u>	<u>revenge</u>	<u>revenge2</u>
1	ALERT	father	HELPERS	FATHER
2	---	---	KILLSWIFE	---
12	---	brother-in-law	---	---
124	REFUSE	---	THRASH	---
125	---	---	---	---

myth	<u>speed</u>	<u>subtraction</u>	<u>tapir</u>	<u>used</u>
1	---	FIREOUT	---	heard
2	slowly	---	man from tapir clan	---
12	---	CREEK	---	---
124	---	---	---	eaten
125	quickly	---	tapir	---

myth	<u>vertical</u>	<u>victim</u>	<u>*wanderer</u>	
			1	2
1	BIRDNESTING	mother	hero	---
2	TREE	wife	Baltogogo	---
12	BIRDNESTING	---	hero	Jaguar
124	FALCONS	mother	Asare	brothers
125	MOUNTAIN	---	---	---

myth	<u>want</u>
1	hungry
2	---
12	thirsty
124	---
125	---

Basic Order of Rule Groups Called by Master Control Group

(other rules are called, in turn by these)

- | | | |
|--------------|--------------|----------------|
| 1. CLAN | 9. DIVIDE | 17. REAR |
| 2. GATHER | 10. DEPRIVE | 18. HORIZONTAL |
| 3. RAPE | 11. VERTICAL | 19. LIZZ |
| 4. OBSERVE | 12. DEFILE | 20. FINDFAMILY |
| 5. DISCOVERY | 13. WANT | 21. MODIFY |
| 6. REVENGE | 14. LIZI | 22. PURSUIT |
| 7. CRIME | 15. EATEN | 23. REVENGE2 |
| 8. BLOOD | 16. DOWN | 24. INTRO |

Version schématique du programme.

Pour en faciliter la lecture, on associe à chaque règle ou groupe de règles les numéros des mythes pour lesquels elles sont pertinentes. Ces informations sont ignorées lors du traitement. Les groupes sont donnés dans l'ordre alphabétique.

GROUP ADD: CALL ADDITION(M)
1,2,12, LEVEL(M) ELEMENT (M,K) IS CREATED
124,125

GROUP ADORNMENT: THEY BRING ORNAMENTS FOR FUNERAL RITES
2

GROUP ALERT: IT WOULD ALERT SOULS
1 ANIMALS (M,K) DROPS OBJECT(M,K) INTO WATER WITH LOUD NOISE
SOULS ARE ALERTED
SOULS SHOOT ARROWS AT ANIMALS (M,K)

GROUP ALLIGATOR: ANIMAL(M) DEVELOPS FROM LIZARDS
124

GROUP BIRDNESTING: RELATION(M) FORCES HERO(M) CLIMB POLE TO CAPTURE MACAWS
1,12 HERO(M) SAYS NEST IS EMPTY
IF LIE(M) IS NOT NULL
RELATION(M) REMOVES POLE
HERO(M) STRANDED

GROUP BLOOD: CALL BLOODSHED(M)
2,125 IF BLOODSHED(M) IS NOT NULL

GROUP BLOODY: HERO(M) DISMEMBERS TAPIR(M)
125

GROUP CLAN: VILLAGE CHIEFS BELONGED TO TUGARE MOIETY IN OLDEN TIMES
2 BAITOGOGO IS CHIEF
IF CLAN(M) NOT NULL

GROUP COVER: ANIMAL(M,K) COVERS HERO(M) WITH OBJECT(M,K)
124

GROUP CREEK: FOR J = 1,2,3
12 [HERO(M) AND ANIMAL(M) COME TO A CREEK
HERO(M) WANTS TO DRINK
HERO(M) CANNOT DRINK BECAUSE ELEMENT(M,K) BELONGS TO ANIMALS (M,J)
HERO(M) DRINKS ELEMENT(M,K) AND DRAINS CREEK

GROUP CRIME: HERO(M) KILLS TAPIR(M) SPEED(M)
2,125 IF TAPIR(M) IS NOT NULL

GROUP DEFILE: [HERO(M) IS DEFILED (M) WITH DEFILEMENT(M)
2,125 HERO(M) IS EMOTION(M)
IF DEFILED(M) IS NOT NULL

GROUP DEPRIVE: DEPRIVED(M) IS DEPRIVED OF DEPRIVATION(M)
2,125 IF DEPRIVED(M) IS NOT NULL

GROUP DISCOVERY: OBSERVER(M) TELLS FATHER OF RAPE
1,2,124 IF OBSERVER(M) IS NOT NULL
FATHER DISCOVERS RAPE
IF OBSERVER(M) IS NULL AND RAPIST(M) IS NOT NULL

GROUP DIVIDE: [OTHER MEN DIVIDE FLESH
125 HERO(M) IS GIVEN ONLY TWO PAWS
HIS WIFE SHAVES HIS HEAD AND PAINTS HIM WITH GENIPA JUICE
IF DIVIDE(M) IS NOT NULL

GROUP DIVULGE: A MONKEY ALMOST DIVULGES SECRET
124 ANOTHER MONKEY STRIKES IT ON LIPS

GROUP DOWN: ANIMAL(M) HELPS HERO(M) DOWN
1,12 IF VERTICAL(M) EQUALS BIRDNESTING

GROUP EATEN: [ANIMAL(M) EATS REST OF LIZARDS
1 ANIMAL(M) EATS HINDQUARTERS OF HERO(M)
SATIATED ANIMAL(M) WILLING TO HELP HERO(M)
IF EATEN(M) IS NOT NULL

GROUP FALCONS: BROTHERS SET FIRE TO HOUSE OF PARENTS
124 PARENTS BECOME FALCONS TO ESCAPE

GROUP FATHER: HERO(M) GETS REVENGE ON FATHER AND FATHER'S WIVES
1

GROUP FINDFAMILY: [HERO(M) LOOKS FOR FAMILY
1 HERO(M) FINDS FAMILY
HERO(M) APPEARS AS LIZARD
CALL REVEALS
IF FINDFAMILY(M) IS NOT NULL

GROUP FIRE: PEOPLE CAPTURE FIRE FROM ANIMAL(M)
12

GROUP FIREOUT: STORM PUTS OUT ALL FIRE EXCEPT THAT OF GRANDMOTHER
1

GROUP FORFOOD: HERO(M) EATS SOME OF LIZARDS
1 REST OF LIZARDS ROT

GROUP GATHER: PROCURER(M) COLLECT(M) EXPEDITION(M)
1,2,124,125 IF PROCURER(M) IS NOT NULL

GROUP HELPERS: FOR K = 1,2,3
1,124 [CALL NEED(M)
HERO(M) ASKS ANIMALS(M,K) FOR HELP
CALL HELP(M)
OBJECT(M,K) SHOULD NOT BE USED(M) BECAUSE
CALL REASON(M)
ANIMALS(M,3) FAULT(M)
CALL ALMOSTFAILS(M)

GROUP HIDE: HERO(M) MUST HIDE FROM ANIMAL(M)
124

GROUP HORIZONTAL: FOR $K = 1, 2$
1, 2, 12, 124 WANDERER(M, K) WANDERS THROUGH COUNTRY
IF WANDERER(M, K) IS NOT NULL

GROUP INSTRUMENT: BAITOGOGO AND OTHER CHIEF RETURN TO VILLAGE WITH OTHER HEROS
2 THEY BRING MUSICAL INSTRUMENTS

GROUP INTRO: CALL INTRO(M)
2, 124, 125 IF INTRO(M) IS NOT NULL

GROUP KILL1: NEW CHIEF ASKS FOR ORNAMENTS
2 NEW CHIEF KILLS HEROS WHO ONLY GAVE HIM A FEW

GROUP KILL2: BERKOROROTI CAUSES THUNDERBOLT TO FALL
125 MANY PEOPLE ARE KILLED

GROUP KILLSWIFE: BAITOGOGO STRANGLES HIS WIFE
12

GROUP LAKE: LAKE APPEARS WHENEVER BAITOGOGO STOPS WALKING
2 TREE ON SHOULDER OF BAITOGOGO SHRINKS

GROUP LIZARD: HERO(M) KILLS SOME LIZARDS
1, 124 CALL LIZARDS(M)

GROUP LIZ1: CALL LIZARD
1 IF LIZ1(M) IS NOT NULL

GROUP LIZ2: CALL LIZARD
124 IF LIZ2(M) IS NOT NULL

GROUP MODIFY: FOR $K = 1, 2, 3, 4$
1, 2, 12, CALL MODIFY(M, K)
124, 125 IF MODIFY(M, K) IS NOT NULL

GROUP MOUNTAIN: BERKOROROTI AND HIS SON ASCEND MOUNTAIN
125 BERKOROROTI SMEARS CLUB WITH BLOOD

GROUP NEWCHIEF: BAITOGOGO AND OTHER CHIEF LEAVE VILLAGE
2 NEW CHIEF BELONGS TO CERA MOIETY
CALL ORNAMENTS

GROUP NOBLOOD: WIFE OF BAITOGOGO IS KILLED WITHOUT BLOODSHED
2

GROUP OBSERVE: OBSERVER(M) OBSERVES RAPE
2, 124 IF OBSERVER(M) IS NOT NULL

GROUP OBTAIN: ANIMALS(M, K) OBTAINS OBJECT(M, K) FOR HERO(M)
1

GROUP ORNAMENTS: HERO(M) AND HIS SON ARE ASSOC(M)
2,125
CALL MUSIC(M)
CALL ORNAMENT(M)
CALL KILL(M)
POPULATION IS SCATTERED

GROUP PIGS: HERO(M) SHOUTS LIKE WILD PIGS
125

GROUP PURSUIT: [HERO(M) SWIMS IN SEA
124 ANIMAL(M) CHASES HERO(M) FROM WATER
CALL HELPERS
HERO(M) ASKS SKUNK WHO IS HIS UNCLE FOR HELP
SKUNK KILLS ANIMAL(M) WITH STENCH
IF PURSUIT(M) IS NOT NULL

GROUP RAIN: THERE IS THUNDERSTORM
1,125

GROUP RAPE: RAPIST(M) RAPES VICTIM(M)
1,2,124 IF RAPIST(M) IS NOT NULL

GROUP REAR: [HERO(M) HAS NO HINDQUARTERS
1 HERO(M) MAKES HINDQUARTERS WITH DOUGH
IF EATEN(M) IS NOT NULL

GROUP REFUSE: IT IS FOOD REFUSE
124

GROUP REVEALS: HERO(M) REVEALS HIMSELF TO HIS FAMILY
1,12

GROUP REVENGE: CALL REVENGE(M)
1,2,124 IF REVENGE(M) IS NOT NULL

GROUP REVENGE2: CALL REVENGE2(M)
1 IF REVENGE2(M) IS NOT NULL

GROUP SEA: ASARE IS THIRSTY
124 BROTHERS DIG WELL
ASARE CANNOT DRINK ALL OF WATER
WELL PRODUCES SEA

GROUP SHOT: ANIMALS(M,3) IS HIT BY ARROWS
1 ANIMALS(M,3) IS NOT KILLED

GROUP SKY: CALL ORNAMENTS
125 HERO(M) AND HIS SON GO INTO SKY

GROUP SOULNEST: FATHER SENDS HERO(M) TO NEST OF SOULS FOR OBJECT(M,K)
1 HERO(M) ASKS HIS GRANDMOTHER TO HELP
HIS GRANDMOTHER ADVISES HIM TO ASK ANIMALS(M,K)

GROUP STARS: BROTHERS BATHE IN SEA
124 THEY BATHE TODAY DURING RAINY SEASON
THEY APPEAR IN SKY AS PLEIADES WHEN CLEAN

GROUP SUB: CALL SUBTRACTION(M)
1,12 LEVEL(M,K) ELEMENT(M,K) IS DESTROYED

GROUP THRASH: FATHER THRASHES BROTHERS
124

GROUP TREE: SON BECOMES BIRD
2 BIRD SEARCHES FOR MOTHER
BIRD DROPS EXCREMENT ON BAITOGOGO
EXCREMENT BECOMES TREE

GROUP VERTICAL: CALL VERTICAL(M)
1,2,12,124,125

GROUP WANT: HERO(M) IS WANT(M)
1,12 IF WANT(M) IS NOT NULL

GROUP WARPAIN: WARPAIN AND WARCRIES ARE INTRODUCED
125

GROUP WIFE: WIFE OF HUSBAND(M) IS UNFRIENDLY
12 HERO(M) KILLS WIFE OF HUSBAND(M)

THE WOMEN OF THE TRIBE WERE GATHERING PALMS.
THE HERO RAPED HIS MOTHER.
THE FATHER DISCOVERED THE RAPE.
THE FATHER SENT THE HERO TO THE NEST OF SOULS FOR THE GREAT DANCE RATTLE.
THE HERO ASKED HIS GRANDMOTHER TO HELP.
HIS GRANDMOTHER ADVISED THE HERO TO ASK THE HUMMINGBIRD.
THE HERO ASKED THE HUMMINGBIRD FOR HELP.
THE HUMMINGBIRD OBTAINED THE GREAT DANCE RATTLE FOR THE HERO.
THE GREAT DANCE RATTLE SHOULD NOT BE HEARD BECAUSE IT WOULD ALERT THE SOULS.
THE HUMMINGBIRD DROPPED THE GREAT DANCE RATTLE INTO THE WATER WITH A LOUD NOISE.
THE SOULS WERE ALERTED.
THE SOULS SHOT ARROWS AT THE HUMMINGBIRD.
THE FATHER SENT THE HERO TO THE NEST OF SOULS FOR THE SMALL RATTLE.
THE HERO ASKED HIS GRANDMOTHER TO HELP.
HIS GRANDMOTHER ADVISED THE HERO TO ASK THE DOVE.
THE HERO ASKED THE DOVE FOR HELP.
THE DOVE OBTAINED THE SMALL RATTLE FOR THE HERO.
THE SMALL RATTLE SHOULD NOT BE HEARD BECAUSE IT WOULD ALERT THE SOULS.
THE DOVE DROPPED THE SMALL RATTLE INTO THE WATER WITH A LOUD NOISE.
THE SOULS WERE ALERTED.
THE SOULS SHOT ARROWS AT THE DOVE.
THE FATHER SENT THE HERO TO THE NEST OF SOULS FOR THE BELLS.
THE HERO ASKED HIS GRANDMOTHER TO HELP.
HIS GRANDMOTHER ADVISED THE HERO TO ASK THE GRASSHOPPER.
THE HERO ASKED THE GRASSHOPPER FOR HELP.
THE GRASSHOPPER OBTAINED THE BELLS FOR THE HERO.
THE BELLS SHOULD NOT BE HEARD BECAUSE IT WOULD ALERT THE SOULS.
THE GRASSHOPPER DROPPED THE BELLS INTO THE WATER WITH A LOUD NOISE.
THE SOULS WERE ALERTED.
THE SOULS SHOT ARROWS AT THE GRASSHOPPER.
THE GRASSHOPPER FLEW SLOWLY.
THE GRASSHOPPER WAS HIT BY ARROWS.
THE GRASSHOPPER WAS NOT KILLED.

THE FATHER FORCED THE HERO TO CLIMB A POLE TO CAPTURE MACAWS.
THE FATHER REMOVED THE POLE.
THE HERO WAS STRANDED.
THE HERO WAS HUNGRY.

THE HERO KILLED SOME LIZARDS.
THE HERO ATE SOME OF THE LIZARDS.
THE REST OF THE LIZARDS ROTTED.
THE VULTURES ATE THE REST OF THE LIZARDS.
THE VULTURES ATE THE HINDQUARTERS OF THE HERO.
THE SATIATED VULTURES WERE WILLING TO HELP THE HERO.
THE VULTURES HELPED THE HERO DOWN.
THE HERO HAD NO HINDQUARTERS.
THE HERO MADE MORE HINDQUARTERS WITH DOUGH.
THE HERO WANDERED THROUGH THE COUNTRY.
THE HERO LOOKED FOR HIS FAMILY.
THE HERO FOUND HIS FAMILY.
THE HERO APPEARED AS A LIZARD.
THE HERO REVEALED HIMSELF TO HIS FAMILY.
THERE WAS A THUNDERSTORM.
CELESTIAL WATER WAS CREATED.
THE STORM PUT OUT ALL FIRE EXCEPT THAT OF THE GRANDMOTHER.
TERRESTRIAL FIRE WAS DESTROYED.
THE HERO GOT REVENGE ON HIS FATHER AND THE WIVES OF THE FATHER.

VILLAGE CHIEFS BELONGED TO THE TUGARE MOIETY IN OLDEN TIMES.
BAITOGOGO WAS A CHIEF.
THE WIFE OF BAITOGOGO WAS PICKING WILD FRUIT.
A MAN FROM THE TAPIR CLAN RAPED THE WIFE OF BAITOGOGO.
A SON OBSERVED THE RAPE.
THE SON TOLD THE FATHER OF THE RAPE.
BAITOGOGO STRANGLER HIS WIFE.

BAITOGOGO KILLED THE MAN FROM THE TAPIR CLAN SLOWLY.
THE WIFE OF BAITOGOGO WAS KILLED WITHOUT BLOODSHED.
THE SON WAS DEPRIVED OF HIS MOTHER.
THE SON BECAME A BIRD.
THE BIRD SEARCHED FOR THE MOTHER.
THE BIRD DROPPED EXCREMENT ON BAITOGOGO.
THE EXCREMENT BECAME A TREE.
BAITOGOGO WAS DEFILED WITH THE EXCREMENT.
BAITOGOGO WAS ASHAMED.

BAITOGOGO WANDERED THROUGH THE COUNTRY.
A LAKE APPEARED WHENEVER BAITOGOGO STOPPED WALKING.
THE TREE ON THE SHOULDER OF BAITOGOGO SHRANK.
TERRESTRIAL WATER WAS CREATED.
BAITOGOGO AND THE OTHER CHIEF LEFT THE VILLAGE.
THE NEW CHIEF BELONGED TO THE CERA MOIETY.
BAITOGOGO AND HIS SON WERE DISASSOCIATED.
BAITOGOGO AND THE OTHER CHIEF RETURNED TO THE VILLAGE WITH SOME OTHER HEROES.
THEY BROUGHT MUSICAL INSTRUMENTS.
THEY BROUGHT ORNAMENTS FOR THE FUNERAL RITES.
THE NEW CHIEF ASKED FOR ORNAMENTS.
THE NEW CHIEF KILLED THE HEROES WHO ONLY GAVE HIM A FEW.
THE POPULATION WAS SCATTERED.

ANALYSE DE LA PRODUCTION DU MYTHE 12

Le premier groupe de règles appelé est CLAN, qui est le premier dans la séquence primitive des groupes. L'entrée pour la classe CLAN (12) ne contenant rien, ce groupe n'est pas exécuté. Il en est de même pour les neufs groupes suivants (GATHER, RAPE, OBSERVE, DISCOVERY, REVENGE, CRIME, BLOOD, DIVIDE et DEPRIVE). Le groupe suivant, VERTICAL, appelle vertical (m). Vertical (12) étant BIRDNESTING, BIRDNESTING est le premier groupe à être exécuté. Ce groupe introduit plusieurs phrases. La première provient de :

RELATION (M) FORCES HERO (M) CLIMB POLE TO CAPTURE MACAWS

Relation (12) = "brother in law"

héro (12) = "héro"

Ce groupe conduit à la production (après passage dans le mécanisme de génération du langage naturel) de la phrase :

"The brother-in-law forced the hero to climb the pole to capture the macaws", qui constitue le début du mythe 12 reconstitué. Puisque lie (12) = "lie", la partie suivante est exécutée. Elle conduit à la phrase "The hero said that the nest was empty". Les deux phrases suivantes sont "The brother-in-law removed the pole", "The hero was stranded".

BIRDNESTING étant terminé, le contrôle revient au groupe suivant dans la séquence primitive des groupes. C'est DEFILE qui est ignoré, puisque DEFILE (12) est vide. Le groupe suivant est WANT. Puisque WANT(12) = "thirsty" ; la phrase produite est "the hero was thirsty". L121 et EATEN les deux groupes suivants sont sautés. Le groupe suivant DOWN est exécuté puisque Vertical (12) = BIRDNESTING et comme Animal (12) = "jaguar", DAWN produit "A jaguar helped the hero down".

Le groupe suivant de la séquence primitive REAR est sauté. La règle suivante HORIZONTAL est exécutée. Elle donne à l'indice k la valeur 1 et teste si wanderer (m,k) est vide. Puisque Wanderer (12,1) = "hero", la phrase "the hero wandered through the country" est produite. k est alors positionné à 2. Wanderer (12,2) étant égal à 2, la phrase suivante est : "The jaguar wandered through the country".

Les groupes suivants L122 et FINDFAMILY sont omis.

Dans MODIFY, k est d'abord mis à 1 et Modify (m,k) est appelé Modify (12,1) = SUB. Le groupe SUB appelle subtraction (m). Substraction (12) est CREEK. Dans ce groupe, un autre indice j voit sa valeur fixée à 1. Deux phrases sont alors produites : "The hero and the jaguar came to a creek. The hero wanted a drink".

Puisque $m = 12, k = 1, j = 1$
element (m,k) = element (12,1) = "Water"
animals (m,j) = animals (12,1) = "Vultures".

C'est pourquoi la phrase suivante est :

"The hero could not drink because the water belonged to the vultures".

CREEK positionne alors j à 2 et comme animals (12,2) = "Little birds" produit : "The hero and the jaguar came to a creek. The hero wanted to drink. The hero could not drink because the water belonged to little birds". Puis j prend la valeur 3 et on trouve : "The hero and the jaguar came to a creek. The hero wanted to drink. The hero could not drink because the water belonged to an alligator. Enfin, CREEK conclut "The hero drank the water and drained the creek".

Le groupe CREEK est ainsi terminé mais non le groupe SUB. Celui-ci produit "terrestrial water was destroyed" ce qui conclut SUB et renvoie à MODIFY qui n'est pas terminé. MODIFY positionne maintenant k à 2 et appelle Modify (12,2) qui est WIFE ; Puisque husband (12) = "jaguar", WIFE produit : "The wife of the jaguar was unfriendly. The hero killed the wife of the jaguar". De retour dans MODIFY, k prend la valeur 3. Modify (12,3) = REVEALS qui est donc exécuté ; il génère : "The hero revealed himself to his family". Puis MODIFY donne à k la valeur 4. Modify (12,4) = ADD est appelé. ADD appelle addition (12) = FIRE. FIRE engendre "The people captured fire from the jaguar". De retour dans ADD, la phrase : "Terrestrial fire was created" est ajoutée. Ce qui termine ADD et MODIFY. Tous les autres groupes sont sautés ce qui termine la production du mythe.

CHANGE STACK FOR TIME 2H

CHANGE STACK FOR TIME 2H1M

- 1: (BROTHERI MAKES HERO) SET AT 2H1M
- 2: (MAKES CAPTURE MACAWS) SET AT 2H1M
- 3: (MAKES CLIMB POLE) SET AT 2H1M
- 4: (HERO SAYS THAT) SET AT 2H1M
- 5: (NEST EMPTY) SET AT 2H1M
- 6: (BROTHERI REMOVES POLE) SET AT 2H1M
- 7: (HERO STRANDED) SET AT 2H1M
- 8: (HERO THIRSTY) SET AT 2H1M

CHANGE STACK FOR TIME 2H2M

- 1: (JAGUAR HELPS HERO) SET AT 2H2M
- 2: (HELPS DOWN) SET AT 2H2M
- 3: (HERO WANDER) SET AT 2H2M
- 4: (WANDER THROUGH COUNTRY) SET AT 2H2M
- 5: (JAGUAR WANDER) SET AT 2H2M
- 6: (WANDER THROUGH COUNTRY) SET AT 2H2M
- 7: (HERO RAND JAGUAR) SET AT 2H2M
- 8: (JAGUAR COMETO CREEK) SET AT 2H2M
- 9: (HERO WANTS) SET AT 2H2M
- 10: (WANTS RNULL NDRINK) SET AT 2H2M
- 11: (HERO DRINK PREASON) SET AT 2H2M
- 12: (WATER1 BELONGST VULTURE) SET AT 2H2M
- 13: (DRINK CANNOT) SET AT 2H2M
- 14: (HERO RAND JAGUAR) SET AT 2H2M
- 15: (JAGUAR COMETO CREEK) SET AT 2H2M
- 16: (HERO WANTS) SET AT 2H2M
- 17: (WANTS RNULL NDRINK) SET AT 2H2M
- 18: (HERO DRINK PREASON) SET AT 2H2M
- 19: (WATER1 BELONGST LITTLEBI) SET AT 2H2M
- 20: (DRINK CANNOT) SET AT 2H2M
- 21: (HERO RAND JAGUAR) SET AT 2H2M
- 22: (JAGUAR COMETO CREEK) SET AT 2H2M
- 23: (HERO WANTS) SET AT 2H2M
- 24: (WANTS RNULL NDRINK) SET AT 2H2M
- 25: (HERO DRINK PREASON) SET AT 2H2M
- 26: (WATER1 BELONGST ALLIGATO) SET AT 2H2M
- 27: (DRINK CANNOT) SET AT 2H2M
- 28: (HERO DRINK WATER1) SET AT 2H2M
- 29: (DRINK RAND1) SET AT 2H2M
- 30: (RAND1 DRAIN) SET AT 2H2M
- 31: (DRAIN RNULL CREEK1) SET AT 2H2M
- 32: (CREEK OF ALLIGATO) SET AT 2H2M
- 33: (WATER1 DESTROYE) SET AT 2H2M
- 34: (WATER1 TERRESTI) SET AT 2H2M
- 35: (WIFE UNFRIEND) SET AT 2H2M
- 36: (WIPE OF JAGUAR) SET AT 2H2M
- 37: (HERO KILL WIFE) SET AT 2H2M
- 38: (WIFE OF JAGUAR) SET AT 2H2M
- 39: (HERO REVEALS HIMSELF) SET AT 2H2M
- 40: (REVEALS TO FAMILY) SET AT 2H2M
- 41: (FAMILY HIS) SET AT 2H2M
- 42: (PEOPLE CAPTURES FIRE) SET AT 2H2M
- 43: (CAPTURES FROM JAGUAR) SET AT 2H2M
- 44: (FIRE CREATED) SET AT 2H2M
- 45: (FIRE TERRESTI) SET AT 2H2M

THE BROTHER IN LAW FORCED THE HERO TO CLIMB THE POLE TO CAPTURE THE MACAWS.
THE HERO SAID THAT THE NEST WAS EMPTY.
THE BROTHER IN LAW REMOVED THE POLE.
THE HERO WAS STRANDED.
THE HERO WAS THIRSTY.

A JAGUAR HELPED THE HERO DOWN.
THE HERO WANDERED THROUGH THE COUNTRY.
THE JAGUAR WANDERED THROUGH THE COUNTRY.
THE HERO AND THE JAGUAR CAME TO A CREEK.
THE HERO WANTED A DRINK.
THE HERO COULD NOT DRINK BECAUSE THE WATER BELONGED TO THE VULTURES.
THE HERO AND THE JAGUAR CAME TO A CREEK.
THE HERO WANTED A DRINK.
THE HERO COULD NOT DRINK BECAUSE THE WATER BELONGED TO LITTLE BIRDS.
THE HERO AND THE JAGUAR CAME TO A CREEK.
THE HERO WANTED A DRINK.
THE HERO COULD NOT DRINK BECAUSE THE WATER BELONGED TO AN ALLIGATOR.
THE HERO DRANK THE WATER AND DRAINED THE CREEK.
TERRESTRIAL WATER WAS DESTROYED.
THE WIFE OF THE JAGUAR WAS UNFRIENDLY.
THE HERO KILLED THE WIFE OF THE JAGUAR.
THE HERO REVEALED HIMSELF TO HIS FAMILY.
THE PEOPLE CAPTURED FIRE FROM THE JAGUAR.
TERRESTRIAL FIRE WAS CREATED.

MYTH 12

THE FATHER WAS HUNTING GAME.
THE BROTHERS RAPED THE MOTHER OF THE HERO.
ASARE OBSERVED THE RAPE.
ASARE TOLD THE FATHER OF THE RAPE.
THE FATHER THRASHED THE BROTHERS.

THE BROTHERS SET FIRE TO THE HOUSE OF THE PARENTS.
THE PARENTS BECAME FALCONS TO ESCAPE.

ASARE WANDERED THROUGH THE COUNTRY.
THE BROTHERS WANDERED THROUGH THE COUNTRY.
ASARE KILLED SOME LIZARDS.
AN ALLIGATOR DEVELOPED FROM THE LIZARDS.
ASARE WAS THIRSTY.
THE BROTHERS DUG A WELL.
ASARE COULD NOT DRINK ALL OF THE WATER.
THE WELL PRODUCED A SEA.
TERRESTRIAL WATER WAS CREATED.
ASARE SWAM IN THE SEA.
THE ALLIGATOR CHASED ASARE FROM THE WATER.
ASARE HAD TO HIDE FROM THE ALLIGATOR.
ASARE ASKED THE WOODPECKERS FOR HELP.
THE WOODPECKERS COVERED ASARE WITH BARK.
BARK SHOULD NOT BE EATEN BECAUSE IT WAS FOOD REFUSE.
ASARE HAD TO HIDE FROM THE ALLIGATOR.
ASARE ASKED THE PARTRIDGES FOR HELP.
THE PARTRIDGES COVERED ASARE WITH STRAW.
STRAW SHOULD NOT BE EATEN BECAUSE IT WAS FOOD REFUSE.
ASARE HAD TO HIDE FROM THE ALLIGATOR.
ASARE ASKED THE MONKEYS FOR HELP.
THE MONKEYS COVERED ASARE WITH RIND.
RIND SHOULD NOT BE EATEN BECAUSE IT WAS FOOD REFUSE.
THE MONKEYS WERE TALKATIVE.
ONE MONKEY ALMOST DIVULGED THE SECRET.
ANOTHER MONKEY STRUCK IT ON THE LIPS.
ASARE ASKED THE SKUNK WHO WAS HIS UNCLE FOR HELP.
THE SKUNK KILLED THE ALLIGATOR WITH HIS STENCH.
THE BROTHERS BATHED IN THE SEA.
THEY BATHE TODAY DURING THE RAINY SEASON.
THEY APPEAR IN THE SKY AS THE PLEIADES WHEN CLEAN.

MYTH 124

THE MEN OF THE TRIBE WERE HUNTING A TAPIR.

BEPKOROROTI KILLED THE TAPIR QUICKLY.
BEPKOROROTI DISMEMBERED THE TAPIR.
THE OTHER MEN DIVIDED THE FLESH.
BEPKOROROTI WAS ONLY GIVEN TWO PAWS.
HIS WIFE SHAVED HIS HEAD AND PAINTED HIM WITH GENIPAJUICE.
HIS SON WAS DEPRIVED OF FOOD.
BEPKOROROTI AND HIS SON ASCENDED THE MOUNTAIN.
BEPKOROROTI SMEARED A CLUB WITH BLOOD OF THE TAPIR.
BEPKOROROTI WAS STAINED WITH BLOOD.
BEPKOROROTI WAS ANGRY.

THERE WAS A THUNDERSTORM.
CELESTIAL WATER WAS CREATED.
BEPKOROROTI AND HIS SON WERE ASSOCIATED.
BEPKOROROTI SHOUTED LIKE WILD PIGS.
WARPAINT AND WARCRIES WERE INTRODUCED.
BEPKOROROTI CAUSED A THUNDERBOLT TO FALL.
MANY PEOPLE WERE KILLED.
THE POPULATION WAS SCATTERED.
BEPKOROROTI AND HIS SON WENT INTO THE SKY.

MYTH 125

THIS PROGRAM MAPS TIME AND MYTH SO THAT THE MYTHS
WILL BE GENERATED IN DISTINCT TIME FRAMES
IE MYTH 1 AT TIME 0, MYTH 2 AT TIME 1, ETC.

NODES

SNODES;

THAT 0 = 'THAT';
MY 3 = ;
LST 0 = ;
ULST 0 = ;

INDEXES

I1 0 = ;
I2 0 = ;
I3 0 = ;

MYTH IDENTIFIER/INDEXES

M1 0 = ;
M2 0 = ;
M12 0 = ;
M124 0 = ;
M125 0 = ;

SEMANTIC NODES

ADD 0 = ;
ADORNMENTS 0 = ;
ALERT 0 = ;
ALL 0 = 'ALL';
ALLIGATOR 0 = 'ALLIGATOR';
ARROWS 5 = 'ARROW';
ASARE 0 = 'ASARE';
BAITOGOGO 0 = 'BAITOGOGO';
BARK 0 = 'BARK';
BEKOROROTI 0 = 'BEKOROROTI';
BIRD 0 = 'BIRD';
BIRDNESTING 0 = ;
BIRDS 1 = 'BIRD';
BLOODSH 0 = 'BLOODSHED';
BLOODY 0 = ;
BROTHERINLAW 2 = 'BROTHER IN LAW';
BROTHERS 3 = 'BROTHER';
CERANOIETY 2 = 'CERA NOIETY';
CHIEF 0 = 'CHIEF';
CHIEFS 5 = 'CHIEF';
CLUB 0 = 'CLUB';
COUNTRY 2 = 'COUNTRY';
COVER 0 = ;
CREEK 4 = 'CREEK';
CREEK1 2 = 'CREEK';
DIVULGE 0 = ;
DOUGH 0 = 'DOUGH';
EXCREMENT 1 = 'EXCREMENT';

POPULATION 2 = 'POPULATION';
PPEASON 0 = ;
RAIN 2 = 'RAIN';
REFUSE 0 = 'REFUSE';
REST 2 = 'REST';
RITES 3 = 'RITE';
SEA 2 = 'SEA';
SEASON 2 = 'SEASON';
SECRET 2 = 'SECRET';
SHOULDER 2 = 'SHOULDER';
SKUNK 2 = 'SKUNK';
SRY 2 = 'SRY';
SMALLRATTLE 2 = 'SMALL RATTLE';
SOME 0 = 'SOME';
SON 0 = 'SON';
SON1 0 = ;
SOULNEST 0 = ;
SOULS 3 = 'SOUL';
SOULS1 5 = 'SOUL';
STARS 0 = ;
STENCH 0 = 'STENCH';
STORM 2 = 'STORM';
STRAW 0 = 'STRAW';
SUB 0 = ;
TAPIR 0 = 'TAPIR';
TAPIRCLAN 2 = 'TAPIR CLAN';
THAT2 0 = 'THAT';
THERE 0 = 'THERE';
THEY 5 = 'THEY';
THRASH 0 = ;
THUNDERBOLT 0 = 'THUNDERBOLT';
THUNDERSTORM 4 = 'THUNDERSTORM';
TIMES 1 = 'TIME';
TREE 0 = 'TREE';
TRIBE 2 = 'TRIBE';
TUGARENOIETY 2 = 'TUGARE NOIETY';
UNCLE 2 = 'UNCLE';
VULTURE 3 = 'VULTURE';
WARCRY 5 = 'WARCRY';
WARPAINT 0 = 'WARPAINT';
WATER 0 = 'WATER';
WATER1 2 = 'WATER';
WELL 0 = 'WELL';
WIFE 2 = 'WIFE';
WIFEOFBAITOGOGO 2 = ;
WILDFRUIT 1 = 'WILD FRUIT';
WIVES 3 = 'WIFE';
WOMEN 3 = 'WOMAN';
WOMENOTRIBE 3 = ;
WOODPECKER 3 = 'WOODPECKER';

GWIFE 0 = ;
GREVEALS 0 = ;
ADDL 0 = ;

FALCONS 1 = 'FALCON';
FAMILY 0 = 'FAMILY';
FATHER 2 = 'FATHER';
FEW 0 = 'FEW';
FIRE 0 = 'FIRE';
FIREOUT 0 = 'FIRE OUT';
FIRE1 1 = 'FIRE';
FLESH 2 = 'FLESH';
FOOD 1 = 'FOOD';
FORFOOD 0 = ;
GAME 1 = 'GAME';
GENIPAJUICE 0 = 'GENIPAJUICE';
GRANDMOTHER 2 = 'GRANDMOTHER';
GREATDANCERATTLE 2 = 'GREAT DANCE R';
GSHOT 0 = ;
HEAD 0 = 'HEAD';
HELPERS 1 = ;
HELPH 0 = 'HELP';
HERO 2 = 'HERO';
HEROES 3 = 'HERO';
HIDE 0 = 'HIDE';
HIM 0 = 'HIM';
HIMSELF 0 = 'HIMSELF';
HINDQUART 3 = 'HINDQUARTER';
HOUSE 2 = 'HOUSE';
HUNMINGBIRD 2 = 'HUNMINGBIRD';
INSTRUMENTS 5 = 'INSTRUMENT';
IT 0 = 'IT';
JAGUAR 0 = 'JAGUAR';
KILLSWIFE 0 = ;
KILL1 0 = ;
KILL2 0 = ;
LAKE 0 = 'LAKE';
LIE 0 = 'LIE';
LIPS 3 = 'LIP';
LIZARD 4 = 'LIZARD';
LIZARD 1 = 'LIZARD';
MACAWS 1 = 'MACAW';
MAN 0 = 'MAN';
MANFRONTAPIRCLAN 0 = ;
MEN 3 = 'MAN';
MENOTRIBE 3 = ;
MONKEY1 0 = 'MONKEY';
MOTHER 2 = 'MOTHER';
MOTHER1 0 = ;
MOTHEROPHERO 2 = ;
MOUNTAIN 2 = 'MOUNTAIN';
NDRINK 4 = 'DRINK';
NESCAPE 0 = 'ESCAPE';
NEST 2 = 'NEST';
NEWCHIEF 0 = ;
NHHELP 0 = 'HELP';
NOBLOOD 0 = ;
NOISE 4 = 'NOISE';
NVILLAGE 2 = 'VILLAGE';
OBTAIN 0 = ;
ORNAMENTS 5 = 'ORNAMENT';
PALMS 1 = 'PALM';
PARENTS 3 = 'PARENT';
PAWS 1 = 'PAW';

MONKEY 3 = 'MONKEY';
BELLS 3 = 'BELL';
ALLIGATOR 0 = 'ALLIGATOR';
RIND 0 = 'RIND';
GCLAN 0 = ;
GATHER 0 = ;
RAPE 2 = 'RAPE';
OBSERVE 0 = ;
DISCOVERY 0 = ;
REVENGE 0 = 'REVENGE';
CRIME 0 = ;
BLOOD 0 = 'BLOOD';
DIVIDE 0 = ;
DEPRIVES 0 = ;
VERTICAL 0 = ;
DEFILE 0 = ;
GNANT 0 = ;
LIIRI 0 = ;
GEATEN 0 = ;
GDOWN 0 = ;
REAR 0 = ;
HORIZONTAL 0 = ;
LIIR2 0 = ;
GFINDFAMILY 0 = ;
MODIFICATION 0 = ;
GPURSUIT 0 = ;
REVENGE2 0 = ;
GINTRO 0 = ;

RELATIONS

RELATIONS;
XX A 2 0 = ;
ADVISES I 3 0 = 'ADVISE';
ALERTS I 3 0 = 'ALERT';
ALERTED A 2 0 = 'ALERT';
ALMOST A 6 1 = 'ALMOST';
ANGRY A 2 0 = 'ANGRY';
ANOTHER A 2 2 = 'ANOTHER';
APPEARS A 3 0 = 'APPEAR';
AS I 4 0 = 'AS';
ASCENDS I 3 0 = 'ASCEND';
ASHAMED A 2 0 = 'ASHAMED';
ASKFOR I 3 0 = ;
ASKS I 3 0 = 'ASK';
ASSOCIATED A 2 0 = 'ASSOCIATED';
AT I 4 0 = 'AT';
BATHES A 3 0 = 'BATHE';
BE A 3 0 = 'BE';
BECOMES I 3 0 = 'BECOME';
BELONGSTO I 3 0 = ;
BELONGS I 3 0 = 'BELONG';
BRINGS I 3 0 = 'BRING';

BY I 4 0 = 'BY';
 CANNOT A 6 2 = 'COULD NOT';
 CAPTURES I 3 0 = 'CAPTURE';
 CAPTURE I 3 0 = 'CAPTURE';
 CAUSE I 3 0 = 'CAUSE';
 CELESTIAL A 2 0 = 'CELESTIAL';
 CHASE I 3 0 = 'CHASE';
 CLEAN A 2 0 = 'CLEAN';
 CLIMB I 3 0 = 'CLIMB';
 COME I 3 0 = 'COME';
 COMETO I 3 0 = 'COMETO';
 COVERS I 3 0 = 'COVER';
 CREATED A 2 0 = 'CREATE';
 DEPRIVED A 2 0 = 'DEPRIVE';
 DEFILES A 2 0 = 'DEFILED';
 DEPRIVE I 3 0 = 'DEPRIVE';
 DESCEND A 3 0 = 'DESCEND';
 DESTROYED A 2 0 = 'DESTROY';
 DEVELOP A 3 0 = 'DEVELOP';
 DIG I 3 0 = 'DIG';
 DISASSOCIAT A 2 0 = 'DISASSOCIATED';
 DISCOVERS I 3 0 = 'DISCOVER';
 DISMEMBERS I 3 0 = 'DISMEMBER';
 DIVIDES I 3 0 = 'DIVIDE';
 DIVULGES I 3 0 = 'DIVULGE';
 DOWN A 6 0 = 'DOWN';
 DRAIN A 3 0 = 'DRAIN';
 DRINK I 3 0 = 'DRINK';
 DROPS I 3 0 = 'DROP';
 DURING I 4 0 = 'DURING';
 EAT I 3 0 = 'EAT';
 EATEN I 2 0 = 'EAT';
 EMPTY A 2 0 = 'EMPTY';
 ESCAPE I 3 0 = 'ESCAPE';
 ESCAPEN A 3 0 = 'ESCAPE';
 EXCEPT I 4 0 = 'EXCEPT';
 FAIL A 3 0 = 'FAIL';
 FALL A 3 0 = 'FALL';
 FINDS I 3 0 = 'FIND';
 FLIESLOWLY A 3 0 = 'FLIESLOWLY';
 FLY I 3 0 = 'FLY';
 FOODR A 2 0 = 'FOOD';
 FOR I 4 0 = 'FOR';
 FORI A 4 0 = 'FOR';
 FROM I 4 0 = 'FROM';
 FUNERAL A 2 0 = 'FUNERAL';
 GATHERS I 2 0 = 'GATHER';
 GETS I 3 0 = 'GET';
 GIVE I 3 2 = 'GIVE';
 GIVEN I 2 0 = 'GIVE';
 GIVES I 3 0 = 'GIVE';
 GO I 3 0 = 'GO';
 GOINTO I 3 0 = 'GOINTO';
 GOUP I 3 0 = 'GOUP';
 HAS I 3 0 = 'HAVE';
 HEARD I 2 0 = 'HEAR';
 HELPS I 3 0 = 'HELP';
 HELPSA A 3 0 = 'HELP';
 HIDES A 3 0 = 'HIDE';
 HIS A 2 2 = 'HIS';

HIT A 2 0 = 'HIT';
 HUNGRY A 2 0 = 'HUNGRY';
 HUNTING I 2 0 = 'HUNT';
 IN I 4 0 = 'IN';
 INTO A 4 0 = 'INTO';
 INTO1 I 4 0 = 'INTO';
 INTRODUCED A 2 0 = 'INTRODUCE';
 IS I 3 0 = 'BE';
 ISTALKATIVE A 2 0 = 'TALKATIVE';
 KILL I 3 0 = 'KILL';
 KILLED A 2 0 = 'KILL';
 LEAVES I 3 0 = 'LEAVE';
 LEAVING I 3 0 = 'LEAVE';
 LIKE I 4 0 = 'LIKE';
 LITTLE A 2 0 = 'LITTLE';
 LOOKFOR I 3 0 = 'LOOKFOR';
 LOOKS I 3 0 = 'LOOK';
 LOUD A 2 0 = 'LOUD';
 MAKE I 3 0 = 'MAKE';
 MAKES I 3 0 = 'FORCE';
 MANY A 2 2 = 'MANY';
 MORE A 2 2 = 'MORE';
 MUSICAL A 2 0 = 'MUSICAL';
 MUST A 6 2 = 'MUST';
 MUSTNOT A 6 2 = 'SHOULD NOT';
 NEG A 6 2 = 'NOT';
 NEW A 2 0 = 'NEW';
 NO A 2 2 = 'NO';
 OBSERVES I 3 0 = 'OBSERVE';
 OBTAINS I 3 0 = 'OBTAIN';
 OF I 4 0 = 'OF';
 OLDEN A 2 0 = 'OLDEN';
 ON I 4 0 = 'ON';
 ONE A 2 2 = 'ONE';
 ONLYA A 6 1 = 'ONLY';
 OTHER A 2 0 = 'OTHER';
 OUT A 4 0 = 'OUT';
 PAINTS A 3 0 = 'PAINT';
 PICKING I 2 0 = 'PICK';
 PRODUCES I 3 0 = 'PRODUCE';
 PUTS I 3 0 = 'PUT';
 PUTSOUT I 3 0 = 'PUTSOUT';
 QUICKLY A 6 0 = 'QUICK';
 RAINY A 2 0 = 'RAINY';
 RALL A 2 0 = 'ALL';
 RAND I 5 0 = 'AND';
 RAND1 A 5 0 = 'AND';
 RAPES I 3 0 = 'RAPE';
 REMOVES I 3 0 = 'REMOVE';
 RETURNS A 3 0 = 'RETURN';
 REVEALS I 3 0 = 'REVEAL';
 RNULL I 7 0 = 'RNULL';
 ROTS A 3 0 = 'ROT';
 SATIATED A 2 0 = 'SATIATED';
 SAYS I 3 0 = 'SAY';
 SCATTERED A 2 0 = 'SCATTERED';
 SEARCHFOR I 3 0 = 'SEARCHFOR';
 SEARCH I 3 0 = 'SEARCH';
 SENDS I 3 0 = 'SEND';
 SET I 3 0 = 'SET';

SHAVES I 3 0 = 'SHAVE';
 SHOOT I 3 0 = 'SHOOT';
 SHOT A 2 0 = 'SHOOT';
 SHOUTS A 3 0 = 'SHOUT';
 SHRINKS A 3 0 = 'SHRINK';
 SLOWLY A 6 0 = 'SLOW';
 SWEARS I 3 0 = 'SWEAR';
 SOME1 A 2 2 = 'SOME';
 STAINED A 2 0 = 'STAINED';
 STOPS A 3 1 = 'STOP';
 STRANDED A 2 0 = 'STRAND';
 STRANGLES I 3 0 = 'STRANGLE';
 STRIKES I 3 0 = 'STRIKE';
 SWIMS A 3 0 = 'SWIM';
 TELLS I 3 0 = 'TELL';
 TERRESTIAL A 2 2 = 'TERRESTRIAL';
 THIRSTY A 2 0 = 'THIRSTY';
 THRASHES I 3 0 = 'THRASH';
 THROUGH I 4 0 = 'THROUGH';
 TO I 4 0 = 'TO';
 TODAY A 6 4 = 'TODAY';
 TWO A 2 2 = 'TWO';
 UNFRIENDLY A 2 0 = 'UNFRIENDLY';
 UP A 4 0 = 'UP';
 VILLAGE A 2 0 = 'VILLAGE';
 WALKING A 3 0 = 'WALK';
 WANDER A 3 0 = 'WANDER';
 WANTS A 3 0 = 'WANT';
 WHEN A 4 1 = 'WHEN';
 WHENEVER I 4 0 = 'WHENEVER';
 WHERE I 4 0 = 'WHERE';
 WHO A 4 0 = 'WHO';
 WILD A 2 0 = 'WILD';
 WILLING A 2 0 = 'WILLING';
 WITH I 4 0 = 'WITH';
 WITHOUT I 4 0 = 'WITHOUT';
 WOULD A 6 2 = 'WOULD';

3 COLLECT(M1) = GATHERS;
 3 COLLECT(M2) = PICKING;
 3 COLLECT(M124) = HUNTING;
 3 COLLECT(M125) = HUNTING;
 2 DEFILED(M2) = DEFILES;
 2 DEFILED(M125) = STAINED;
 DEFILEMENT(M2) = EXCREMENT;
 DEFILEMENT(M125) = BLOOD;
 DEPRIVATION(M2) = MOTHER1;
 DEPRIVATION(M125) = FOOD;
 DEPRIVED(M2) = SON;
 DEPRIVED(M125) = SON1;
 CDIVIDE(M125) = HERO;
 CEATEN(M1) = VULTURE;
 ELEMENT1(M1) = WATER;
 ELEMENT1(M2) = WATER;
 ELEMENT1(M12) = FIRE;
 ELEMENT1(M124) = WATER;
 ELEMENT1(M125) = WATER;
 ELEMENT2(M1) = FIRE;
 ELEMENT2(M12) = WATER1;
 2 EMOTION(M2) = ASHAMED;
 2 EMOTION(M125) = ANGRY;
 EXPEDITION(M1) = PALMS;
 EXPEDITION(M2) = WILDFRUIT;
 EXPEDITION(M124) = GAME;
 EXPEDITION(M125) = TAPIR;
 2 FAULT(M1) = FLIESLOWLY;
 2 FAULT(M124) = ISTALKATIVE;
 FINDFAMILY(M1) = HERO;
 HELP(M1) = OBTAIN;
 HELP(M124) = COVER;
 CHERO(M1) = HERO;
 CHERO(M2) = BAITOGOGO;
 CHERO(M12) = HERO;
 CHERO(M124) = ASARE;
 CHERO(M125) = BEPROROTI;
 RUSBANO(M12) = JAGUAR;
 CKILL(M2) = KILL1;
 CKILL(M125) = KILL2;
 INTRO(M2) = NEWCHIEF;
 INTNG(M124) = STARS;
 INTRO(M125) = SKY;
 2 LEVEL(M1) = CELESTIAL;
 2 LEVEL(M2) = TERRESTIAL;
 2 LEVEL(M12) = TERRESTIAL;
 2 LEVEL(M124) = TERRESTIAL;
 2 LEVEL(M125) = CELESTIAL;
 2 LEVEL2(M1) = TERRESTIAL;
 2 LEVEL2(M12) = TERRESTIAL;
 CLIE(M12) = LIE;
 LIZARDS(M1) = FORFOOD;
 LIZARDS(M124) = ALLIGATOR;
 LIZ1(M1) = LIZARD;
 LIZ2(M124) = LIZARD;
 MODIFY(M1) = ADD SUB;
 MODIFY(M2) = ADD;
 MODIFY(M12) = SUB GWIPE GREVEALS ADD;
 MODIFY(M124) = ADD;
 MODIFY(M125) = ADD;

CLASSES

CLASSES;
 ADDITION(M1) = RAIN;
 ADDITION(M2) = LAKE;
 ADDITION(M12) = FIRE;
 ADDITION(M124) = SEA;
 ADDITION(M125) = RAIN;
 ALMOSTFAILS(M1) = GSHOT;
 ALMOSTFAILS(M124) = DIVULGE;
 ANIMAL(M1) = VULTURE;
 ANIMAL(M12) = JAGUAR;
 ANIMAL(M124) = ALLIGGATOR;
 ANIMALS(M1) = HUMMINGBIRD DOVE GRASSHOPPER;
 ANIMALS(M12) = VULTURE LITTLEBIRDS ALLIGATOR;
 ANIMALS(M124) = WOODPECKER PARTRIDGE MONKEY;
 2 ASSOC(M2) = DISASSOCIATED;
 2 ASSOC(M125) = ASSOCIATED;
 BLOODSHED(M2) = NOBLOOD;
 BLOODSHED(M125) = BLOODY;
 CLAN(M2) = BAITOGOGO;

TEMPANIMAL =;
TEMPOBJECT =;
INDEX=11 12 13;

NETWORK:

*LEXPTR(WIFE OF BAITOGOGO) TO WIFE OF BAITOGOGO ;
*LEXPTR(MOTHER OF HERO) TO MOTHER OF HERO ;
*LEXPTR(MAN FROM TAPIRCLAN) TO MAN FROM TAPIRCLAN ;
*LEXPTR(WOMEN OF TRIBE) TO WOMEN OF TRIBE ;
*LEXPTR(MEN OF TRIBE) TO MEN OF TRIBE ;
*LEXPTR(DEPRIVED OF) TO DEPRIVE ;
*LEXPTR(SEARCH FOR) TO SEARCHFOR ;
*LEXPTR(FLY SLOWLY) TO FLIESLOWLY ;
*LEXPTR(PUTS OUT) TO PUTSOUT ;
*LEXPTR(LOCKS FOR) TO LOCKFOR ;
*LEXPTR(BELONGS TO) TO BELONGSTO ;
*LEXPTR(BIRDS LITTLE) TO LITTLEBIRDS ;
*LEXPTR(COMS TO) TO COMETO ;
*LEXPTR(GO INTO) TO GOINTO ;
*LEXPTR(MOTHER HIS) TO MOTHER1 ;
*LEXPTR(SON HIS) TO SON1 ;
*LEXPTR(ASKS FOR) TO ASKFOR ;
*LEXPTR(GO UP) TO GOUP ;

BEGIN PROGRAM

THE FOLLOWING GROUPS ARE USED TO EXECUTE THE BASIC GROUP ORDER

GROUP MASTER
THIS GROUP MAPS TIME ONTO MYTH SEQUENCE
AND IS THE DRIVER OF THIS GENERATOR

SGROUP MASTER: 1H/ON;

SLOOP: X.MYTHSEQ;

SRULE: *DISABLE MASTER, *END;
10,-10: NUM(MYTHSEQ) EQ 0;
SRULE:(SENDGROUP) *REMOVE X FROM MYTHSEQ,
*MOVE X TO MYTH,
*MOVE ANIMALS(X) TO TEMPANIMALS,
*MOVE OBJECT(X) TO TEMPOBJECTS,
*MOVE CONTROLSEQ TO CONT,
*ENABLE MASTER2 IN 1M,
*CALL CONTROL;

SENDLOOP;
SENDGROUP;

GROUP MASTER2

SGROUP MASTER2: 1M/ON;

SRULE: *MOVE CONTROLSEQ TO CONT,
*DISABLE MASTER2,
*ENABLE MASTER3 IN 1M,
*CALL CONTROL;

SENDGROUP;

GROUP MASTER3

SGROUP MASTER3: 1M/ON;

SRULE: *MOVE CONTROLSEQ TO CONT,
*DISABLE MASTER3,
*CALL CONTROL;

SENDGROUP;

GROUP CONTROL
THIS GROUP CONTROLS THE SEQUENCING OF THE EVENTS
IN EACH MYTH WHICH ARE GIVEN IN CONTROLSEQ

SGROUP CONTROL: 10M/OFF;

LOOP ON CONTROL SEQUENCE

SLOOP: Y.CONT;

SRULE: *MOVE Y TO CNTRL, *CALL CNTRL;
SENDLOOP;
SRULE: *RETURN;

SENDGROUP;

THE FOLLOWING GROUPS CORRESPOND TO THOSE IN THE STYLIZED PROGRAM

GROUP ADD

SGROUP ADD: 10M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL ADDITION(M),
*INSERT(ELEMENT1(M) CREATED) (ELEMENT1(M) LEVEL(M));
SENDLOOP;
SENDGROUP;

GROUP ADDL

SGROUP ADDL: 10M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL ADDITION(M),
*INSERT(ELEMENT1(M) CREATED) (ELEMENT1(M) LEVEL(M));
SENDLOOP;
SENDGROUP;

GROUP ADORNMENTS

SGROUP ADORNMENTS: 10M/OFF;
SRULE: *INSERT(HEY BRINGS ORNAMENTS)
(BRINGS FOR RITES)
(RITES FUNERAL);
SENDGROUP;

GROUP ALERT

SGROUP ALERT: 10M/OFF;
SLOOP: M.MYTH;
SRULE: ULST XX,
*INSERT(IT ALERTS SOULS) (ALERTS WOULD),
LST XX;

MUSIC(M2)=INSTRUMENTS;
MUSIC(M125)=PIGS;
NEED(M1)=SOULNEST;
NEED(M124)=HIDE;
OBJECT(M1)=GREATDANCERATTLE SMALLRATTLE BELLS;
OBJECT(M124)=BARK STRAW RIND;
OBSERVER(M2)=SON;
OBSERVER(M124)=ASARE;
ORNAMNT(M2)=ADORNMENTS;
ORNAMNT(M125)=WARTYNT;
PROCURER(M1)=WOMENOFTRIBE;
PROCURER(M2)=WIFE OF BAITOG;
PROCURER(M124)=FATHER;
PROCURER(M125)=MENOFTTRIBE;
PURSUIT(M124)=ALLIGGATOR;
RAPIST(M1)=HERO;
RAPIST(M2)=MANFROMTAPIRCLAN;
RAPIST(M124)=BROTHERS;
REASON(M1)=ALERT;
REASON(M124)=REFUSE;
RELATION(M1)=FATHER;
RELATION(M12)=BROTHERINLAW;
RELATION(M124)=;
RELATION(M125)=;

CREVENGE(M1)=HELPERS;
CREVENGE(M2)=KILLSWIFE;
CREVENGE(M124)=THRASH;
CREVENGE2(M1)=FATHER;
2 SPEED(M2)=SLOWLY;
2 SPEED(M125)=QUICKLY;
SUBTRACTION(M1)=FIREOUT;
SUBTRACTION(M12)=CREEK;
CTAPIR(M2)=MANFROMTAPIRCLAN;
CTAPIR(M125)=TAPIR;
3 USED(M1)=HEARD;
3 USED(M124)=EATEN;
CVERTICAL(M1)=BIRDNESTING;
CVERTICAL(M2)=TREE;
CVERTICAL(M12)=BIRDNESTING;
CVERTICAL(M124)=FALCONS;
CVERTICAL(M125)=MOUNTAIN;
VICTIM(M1)=MOTHER1;
VICTIM(M2)=WIFE OF BAITOGOGO;
VICTIM(M124)=MOTHER OF HERO;
WANDERER(M1)=HERO;
WANDERER(M2)=BAITOGOGO;
WANDERER(M12)=HERO JAGUAR;
WANDERER(M124)=ASARE BROTHERS;
2 WANT(M1)=HUNGRY;
2 WANT(M12)=THIPSTY;

CLASSES USED FOR SEQUENCING MYTHS AND CONTROL

MYTHSEQ=M1 M2 M12 M124 M125;
CONTROLSEQ=GCLAN GATHER RAPE OBSERVE DISCOVERY REVENGE;
CONTROLBASE=CRIME BLOOD DIVIDE DEPRIVES VERTICAL DEFILE GWANT;
CONTROL2SEQ = L1Z1R1 GEATEN GDOWN REAR HORIZONTAL L1Z2R2
GFINDFAMILY MODIFICATION GPURSUIT REVENGE2 GINTRO;
MYTH=;
CONT =;
CNTRL =;

*DISCLEAR PREASON,
*DISCADD(IT ALERTS SOULS) TO PREASON;

SENDLOOP;
SENDGROUP;

GROUP ALLIGATOR

SGROUP ALLIGATOR: 10M/OFF;
SRULE: *INSERT(ANIMAL(M) DEVELOP)
(DEVELOP FROM LIZARD);

SENDGROUP;

GROUP BIRDNESTING

SGROUP BIRDNESTING: 10M/OFF;

SLOOP: M.MYTH;

SRULE: *INSERT(RELATION(M) MAKES CHERO(M)) (MAKES CAPTURE MACAWS)
(MAKES CLIMB POLE);
SRULE: *INSERT(CHERO(M) SAYS THAT) (NEST EMPTY);
10,-10: NUM(CHE(M)) GT 0;
SRULE: RELATION(M) REMOVES POLE,
CHERO(M) STRANDED;

SENDLOOP;
SRULE: *RETURN;
SENDGROUP;

GROUP BLOOD

SGROUP BLOOD: 10M/OFF;

SLOOP: M.MYTH;
SRULE: *CALL BLOODSHED(M);
SENDLOOP;
SENDGROUP;

GROUP BLOODY

SGROUP BLOODY: 10M/OFF;

SLOOP: M.MYTH;
SRULE: CHERO(M) DISMEMBERS CTAPIR(M);
SENDLOOP;
SENDGROUP;

GROUP GCLAN

SGROUP GCLAN: 10M/OFF;

SLOOP: M.MYTH;
SRULE: *INSERT(CHIEFS BELONGSTO TUGAREMOIETY)
(BELONGSTO IN TIMES)
(CHIEFS VILLAGE)
(TIMES OLDEN),
BAITOGOGO IS CHIEF;
10,-10: NUM(CLAN(M)) GT 0;
SENDLOOP;
SENDGROUP;

```

GROUP COVER
$GROUP COVER: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(TEMPANIMAL COVERS CHERO(M))
(COVERS WITH TEMPOBJECT);

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$SENDLOOP;
$SENDGROUP;
GROUP CREEK
$GROUP CREEK: 18M/OFF;
$LOOP: M.MYTH;
$LOOP: K.INDEX;

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$RULE: *CALL QUANTA, *REMOVE TEMPANIMAL FROM ANIMALS(M);
$RULE: *INSERT(CHERO(M) RAND JAGUAR)
(JAGUAR COMETO CREEK);
*INSERT(CHERO(M) WANTS)
(WANTS RNULL NDRINK);
*DISCLEAR PREASON,
*DISCADD (ELEMENT2(M) BELONGSTO TEMPANIMAL) TO PREASON,
*INSERT(CHERO(M) DRINK PREASON)
(DRINK CANNOT);
$SENDLOOP;
$RULE: *INSERT(CHERO(M) DRINK ELEMENT2(M))
(DRINK RAND1)
(RAND1 DRAIN)
(DRAIN RNULL CREEK1)
(CREEK OF ALLIGATOR);

```

```

$SENDLOOP;
$SENDGROUP;
GROUP CRIME
$GROUP CRIME: 18M/OFF;
$LOOP: M.MYTH;

```

```

$RULE C1:T(SNEXT M) CHERO(M) KILL CTAPIR(M);
18,-18: NUM(SPEED(M)) EQ 0 AND NUM(CTAPIR(M)) GT 0;
$RULE: *INSERT(CHERO(M) KILL CTAPIR(M))(KILL SPEED(M));
18,-18: NUM(CTAPIR(M)) GT 0 AND NUM(SPEED(M)) GT 0;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP DEFILE
$GROUP DEFILE: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) DEFILE(M))
(DEFILE(M) WITH DEFILEMENT(M)),
(CHERO(M) EMOTION(M));
18,-18: NUM(DEFILE(M)) GT 0;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP DEPRIVES
$GROUP DEPRIVES: 18M/OFF;
$LOOP: M.MYTH;

```

```

$GROUP CEATEN: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(ANIMAL(M) EAT REST)(REST OF LIZARD),
*INSERT(ANIMAL(M) EAT HINQUART)
(HINQUART OF CHERO(M)),
*INSERT(ANIMAL(M) WILLING)
(ANIMAL(M) SATIATED)
(KILLING HELPS CHERO(M));
18,-18: NUM(CEATEN(M)) GT 0;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP FALCONS
$GROUP FALCONS: 18M/OFF;
$RULE: *INSERT(BROTHERS SET FIRE)(SET TO HOUSE)(HOUSE OF PARENTS),
*INSERT(PARENTS BECOMES FALCONS)(BECOMES ESCAPEN);
$RULE: *RETURN;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP FATHER
$GROUP FATHER: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) GETS REVENGE)
(REVENGE ON FATHER)
(FATHER HIS)
(FATHER RAND WIVES)
(WIVES OF FATHER);
$SENDLOOP;
$SENDGROUP;

```

```

GROUP FINDFAMILY
$GROUP GFINDFAMILY: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) LOOKFOR FAMILY)
(FAMILY HIS),
*INSERT(CHERO(M) FINDS FAMILY)
(FAMILY HIS),
*INSERT(CHERO(M) APPEARS)
(APPEARS AS LISARD),
*CALL GREVEALS;
18,-18: NUM(FINDFAMILY(M)) GT 0;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP FIRE
$GROUP FIRE: 18M/OFF;
$RULE: *INSERT(PEOPLE CAPTURES FIRE)
(CAPTURES FROM JAGUAR);
$SENDLOOP;
$SENDGROUP;

```

```

GROUP FIREOUT
$GROUP FIREOUT: 18M/OFF;
$RULE: *INSERT(STORM PUTSOUT ELEMENT2(M))
(ELEMENT2(M) RALL)
(PUTSOUT EXCEPT THAT2)

```

```

$RULE: DEPRIVED(M) DEPRIVE DEPRIVATION(M);
18,-18: NUM(DEPRIVED(M)) GT 0;
$SENDLOOP;
$RULE: *RETURN;
$SENDGROUP;

```

```

GROUP DISCOVERY
$GROUP DISCOVERY: 18M/OFF;
$LOOP: M.MYTH;
$RULE: T(SNEXT M) *INSERT(OBSERVER(M) TELLS FATHER)(TELLS OF RAPE);
18,-18: NUM(OBSERVER(M)) GT 0;
$RULE: FATHER DISCOVERS RAPE;
18,-18: NUM(OBSERVER(M)) EQ 0 AND NUM(RAPIST(M)) GT 0;
$SENDLOOP;
$RULE: *RETURN;
$SENDGROUP;

```

```

GROUP DIVIDE
$GROUP DIVIDE: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(MEN DIVIDES FLESH)
(MEN OTHER),
*INSERT(CHERO(M) GIVEN PAWS)
(GIVEN ONLYA)
(PAWS TWO),
*INSERT(WIFE SHAVES HEAD)
(SHAVES RAND1)
(RAND1 PAINTS)
(PAINTS WITH GENIPAJUICE)
(PAINTS RNULL HIM)(HEAD HIS)(WIFE HIS);
18,-18: NUM(CDIVIDE(M)) GT 0;
$SENDLOOP;
$SENDGROUP;

```

```

GROUP DIVULGE
$GROUP DIVULGE: 18M/OFF;
$RULE: *INSERT(MONKEY1 DIVULGES SECRET)
(DIVULGES ALMOST)
(MONKEY1 ONE),
*INSERT(MONKEY1 STRIKES IT)
(STRIKES ON LIPS)
(MONKEY1 ANOTHER);
$SENDLOOP;
$SENDGROUP;

```

```

GROUP GDOWN
$GROUP GDOWN: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(ANIMAL(M) HELPS CHERO(M))
(HELPS DOWN);
18,-18: (CVERTICAL(M) EQL BIRDNESTING);
$SENDLOOP;
$SENDGROUP;

```

```

$SENDGROUP;
GROUP FORFOOD
$GROUP FORFOOD: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) EAT SOME)(SOME OF LIZARD),
*INSERT(REST ROT)(REST OF LIZARD);
$SENDLOOP;
$SENDGROUP;

```

```

GROUP GATHER
$GROUP GATHER: 18M/OFF;
$LOOP: M.MYTH;
$RULE: PROCURER(M) COLLECT(M) EXPEDITION(M);
18,-18: NUM(PROCURER(M)) GT 0;
$SENDLOOP;
$RULE: *RETURN;
$SENDGROUP;

```

```

GROUP HELPERS
$GROUP HELPERS: 18M/OFF;
$LOOP: M.MYTH;
$LOOP: K.INDEX;
$RULE: *CALL QUANTA, *REMOVE TEMPANIMAL FROM ANIMALS(M),
*CALL QUANTA, *REMOVE TEMPOBJECT FROM OBJECT(M);
$RULE: *CALL NEED(M),
*INSERT(CHERO(M) ASKS TEMPANIMAL)(ASKS FOR HELPN),
*CALL HELP(M),
*CALL REASON(M);
$RULE: *INSERT(TEMPOBJECT BE)
(BE MUSTNOT)
(BE USED(M) PREASON);
$RULE: *INSEPT(TEMPANIMAL DROPS TEMPOBJECT)
(DROPS WITH NOISE)(DROPS INTO1 WATER1)
(NOISE LOUD),
SOULS ALERTED,
*INSERT(SOULS SHOOT ARROWS)(SHOOT AT TEMPANIMAL);
18,-18: (M1 EQL MYTH);
$SENDLOOP;
$RULE: TEMPANIMAL FAULT(M),
*CALL ALMOSTFAILS(M);
$SENDLOOP;
$SENDGROUP;

```

```

GROUP HIDE
$GROUP HIDE: 18M/OFF;
$LOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) HIDES)
(HIDES FROM ANIMAL(M))
(HIDES MUST);
$SENDLOOP;
$SENDGROUP;

```



```

GROUP HORIZONTAL
$GROUP HORIZONTAL:          18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(WANDERER(M) WANDER)(WANDER THROUGH COUNTRY);
10,-10: NUM(WANDERER(M)) GT 0;
$ENDLOOP;
$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP INSTRUMENT
$GROUP INSTRUMENT:          18M/OFF;
$RULE: *INSERT(BAITOGOGO RETURNS)
(RETURNS WITH HEROES)
(RETURNS TO NVILLAGE)
(BAITOGOGO RAND CHIEF)
(CHIEF OTHER)
(HEROES SOME1);
*INSERT(HEY BRINGS INSTRUMENTS)
(INSTRUMENTS MUSICAL);
$ENDGROUP;

```

```

GROUP GINTRO
$GROUP GINTRO:              18M/OFF;
SLOOP: M.MYTH;
$RULE: *CALL INTRO(M);
10,-10: NUM(INTRO(M)) GT 0;
$ENDLOOP;
$ENDGROUP;

```

```

GROUP KILL1
$GROUP KILL1:               18M/OFF;
$RULE: *INSERT(CHIEF ASKFOR ORNAMENTS)(CHIEF NEW),
*INSERT(CHIEF KILL HEROES)
(HEROES WHO)
(WHO GIVE FEW)(GIVE ONLYA)
(GIVE RNULL HIM)
(CHIEF NEW);
$ENDGROUP;

```

```

GROUP KILL2
$GROUP KILL2:              18M/OFF;
$RULE: *INSERT(BEPKOROROTI CAUSE THUNDERBOLT)
(CAUSE FALL),
*INSERT(PEOPLE KILLED)
(PEOPLE MANY);
$ENDGROUP;

```

```

GROUP KILLSWIFE
$GROUP KILLSWIFE:          18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(BAITOGOGO STRANGLES WIFE)
(WIFE HIS);
$ENDLOOP;

```

```

GROUP NEWCHIEF
$GROUP NEWCHIEF:          18M/OFF;
$RULE: *INSERT(BAITOGOGO LEAVES NVILLAGE)
(BAITOGOGO RAND CHIEF)
(CHIEF OTHER),
*INSERT(CHIEF BELONGSTO CERAMOITY)
(CHIEF NEW),
*CALL ORNAMENTS;
$ENDGROUP;

```

```

GROUP NOBLOOD
$GROUP NOBLOOD:           18M/OFF;
$RULE: *INSERT(WIFE OF BAITOGOGO KILLED)
(KILLED WITHOUT BLOODS);
$ENDGROUP;

```

```

GROUP OBSERVE
$GROUP OBSERVE:           18M/OFF;
SLOOP: M.MYTH;
$RULE: OBSERVER(M) OBSERVES RAPE;
10,-10: NUM(OBSERVER(M)) GT 0;
$ENDLOOP;
$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP OBTAIN
$GROUP OBTAIN:            18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(TEMPANIMAL OBTAINS TEMPOBJECT)
(OBTAINS FOR CHERO(M));
$ENDLOOP;
$ENDGROUP;

```

```

GROUP ORNAMENTS
$GROUP ORNAMENTS:        18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) RAND SON1)(SON1 ASSOC(M)),
*CALL MUSIC(M),
*CALL ORNAMT(M),
*CALL CKILL(M),
POPULATION SCATTERED;
$ENDLOOP;
$ENDGROUP;

```

```

GROUP PIGS
$GROUP PIGS:             18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) SHOUTS)
(SHOUTS LIKE PIGS)
(PIGS WILD);
$ENDLOOP;
$ENDGROUP;

```

```

GROUP PURSUIT

```

```

$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP LAKE
$GROUP LAKE:              18M/OFF;
$RULE: *INSERT(LAKE APPEARS)(APPEARS WHENEVER BAITOGOGO)
(BAITOGOGO STOPS)(STOPS WALKING),
*INSERT(TREE SHRINKS)(TREE ON SHOULDER)(SHOULDER OF BAITOGOGO);
$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP LIZARD
$GROUP LIZARD:            18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) KILL LIZARD)(LIZARD SOME1),
*CALL LIZARDS(M);
10,-10: NUM(LIZARDS(M)) GT 0;
$ENDLOOP;
$ENDGROUP;

```

```

GROUP LIZR1
$GROUP LIZR1:            18M/OFF;
SLOOP: M.MYTH;
$RULE: *CALL LIZ1(M);
$ENDLOOP;
$ENDGROUP;

```

```

GROUP LIZR2
$GROUP LIZR2:            18M/OFF;
SLOOP: M.MYTH;
$RULE: *CALL LIZ2(M);
$ENDLOOP;
$ENDGROUP;

```

```

GROUP MODIFICATION
$GROUP MODIFICATION:     18M/OFF;
SLOOP: M.MYTH;
$RULE: *CALL MODIFY(M);
$ENDLOOP;
$ENDGROUP;

```

```

GROUP MOUNTAIN
$GROUP MOUNTAIN:         18M/OFF;
$RULE: *INSERT(BEPKOROROTI ASCENDS MOUNTAIN)
(BEPKOROROTI RAND SON1),
*INSERT(BEPKOROROTI SMEARS CLUB)
(SMEARS WITH BLOOD)
(BLOOD OF TAPIR);
$RULE: *RETURN;
$ENDGROUP;

```

```

*INSERT(ANIMAL(M) CHASE CHERO(M))
(CHASE FROM WATER1),
*CALL HELPERS,
*INSERT(ASARE ASKS SKUNK)
(ASKS FOR HELPN)
(SKUNK IS UNCLE)
(UNCLE HIS),
*INSERT(SKUNK KILL ANIMAL(M))
(KILL WITH STENCH)
(STENCH HIS);
10,-10: NUM(PURSUIT(M)) GT 0;
$ENDGROUP;

```

```

GROUP RAIN
$GROUP RAIN:             18M/OFF;
SLOOP: M.MYTH;
$RULE: THERE IS THUNDERSTORM;
$ENDLOOP;
$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP RAPE
$GROUP RAPE:             18M/OFF;
SLOOP: M.MYTH;
$RULE: RAPIST(M) RAPES VICTIM(M);
10,-10: NUM(RAPIST(M)) GT 0;
$ENDLOOP;
$RULE: *RETURN;
$ENDGROUP;

```

```

GROUP REAR
$GROUP REAR:             18M/OFF;
SLOOP: M.MYTH;
$RULE: *INSERT(CHERO(M) HAS HINDQUART)
(HINDQUART NO),
*INSERT(CHERO(M) MAKE HINDQUART)
(MAKE WITH DOUGH)(HINDQUART MORE);
10,-10: NUM(CEATEN(M)) GT 0;
$ENDLOOP;
$ENDGROUP;

```

```

GROUP REFUSE
$GROUP REFUSE:           18M/OFF;
SLOOP: M.MYTH;
$RULE: ULST XX,
*INSERT(IT IS REFUSE)
(REFUSE FOODR),
LST XX,
*DISCLEAR PREASON,
*DISCADD(IT IS REFUSE) TO PREASON;
$ENDLOOP;
$ENDGROUP;

```

GROUP REVEALS

SGROUP REVEALS: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *INSERT(CHERO(M) REVEALS HIMSELF)
(REVEALS TO FAMILY)
(FAMILY HIS);

SENDLOOP;
SENDGROUP;

GROUP REVENGE

SGROUP REVENGE: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL CREVENGE(M);
18,-18: NUM(CREVENGE(M)) GT 0;

SENDLOOP;
SRULE: *RETURN;
SENDGROUP;

GROUP REVENGE2

SGROUP REVENGE2: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL CREVENGE2(M);
18,-18: NUM(CREVENGE2(M)) GT 0;

SENDLOOP;
SENDGROUP;

GROUP SEA

SGROUP SEA: 18M/OFF;
SRULE: ASARE THIRSTY,
BROTHERS DIG WELL,
*INSERT(ASARE DRINK ALL) (DRINK CANNOT) (ALL OF WATER);

SRULE: *RETURN;
SENDGROUP;

GROUP GSHOT

SGROUP GSHOT: 18M/OFF;
SRULE: *INSERT(TEMPANIMAL HIT)
(HIT BY ARROWS),
*INSERT(TEMPANIMAL KILLED)
(KILLED NEG);

SENDGROUP;

GROUP SKY

SGROUP SKY: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL ORNAMENTS,
*INSERT(CHERO(M) GOINTO SKY)
(CHERO(M) RAND SON);

SENDLOOP;
SENDGROUP;

GROUP SOULNEST

SGROUP SOULNEST: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *INSERT(FATHER SENDS CHERO(M))

GROUP GWANT

SGROUP GWANT: 18M/OFF;
SLOOP: M.MYTH;
SRULE: CHERO(M) WANT(M);
18,-18: NUM(WANT(M)) GT 0;

SENDLOOP;
SENDGROUP;

GROUP WARPAIN

SGROUP WARPAIN: 18M/OFF;
SRULE: *INSERT(WARPAIN RAND WARCrys)
(WARCrys INTRODUCED);

SENDGROUP;

GROUP GWIFE

SGROUP GWIFE: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *INSERT(WIFE UNFRIENDLY)
(WIFE OF HUSBAND(M)),
*INSERT(CHERO(M) KILL WIFE)
(WIFE OF HUSBAND(M));

18,-18: NUM(HUSBAND(M)) GT 0;
SENDLOOP;
SENDGROUP;

THE FOLLOWING GROUPS PERMIT DOUBLE SUBSCRIPTS
GROUPS TO QUANTIFY TEMPORARY ANIMAL NO OBJECT CLASSES

GROUP QUANTA

SGROUP QUANTA: 18M/OFF;
SLOOP: M.MYTH;
SLOOP: O.ANIMALS(M);
SRULE: (SENDGROUP) *MOVE Q TO TEMPANIMAL;

SENDLOOP;
SENDGROUP;

GROUP QUANTO

SGROUP QUANTO: 18M/OFF;
SLOOP: M.MYTH;
SLOOP: O.OBJECT(M);
SRULE: (SENDGROUP) *MOVE Q TO TEMPOBJECT;

SENDLOOP;
SENDGROUP;

END OF PROGRAM

SEND;

(SENDS FOR TEMPOBJECT)
(SENDS TO NEST)
(NEST OF SOULS);
*INSERT(CHERO(M) ASKS GRANDMOTHER)
(ASKS HELPSA) (GRANDMOTHER HIS);
*INSERT(GRANDMOTHER ADVISES CHERO(M))
(ADVISES ASKS TEMPANIMAL) (GRANDMOTHER HIS);

SENDLOOP;
SENDGROUP;

GROUP STARS

SGROUP STARS: 18M/OFF;
SRULE: *INSERT(BROTHERS BATHES)
(BATHES IN SEA),
*INSERT(THEY BATHES)
(BATHES DURING SEASON)
(BATHES TODAY)
(SEASON RAINY),
*INSERT(THEY APPEARS)
(APPEARS WHEN)
(WHEN CLEAN)
(APPEARS AS PLEIADES)
(APPEARS IN SKY);

SENDLOOP;
SENDGROUP;

GROUP SUB

SGROUP SUB: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL SUBTRACTION(M),
*INSERT(ELEMENT2(M) DESTROYED) (ELEMENT2(M) LEVEL2(M));

SENDLOOP;
SENDGROUP;

GROUP THRASH

SGROUP THRASH: 18M/OFF;
SRULE: FATHER THRASHES BROTHERS;

SRULE: *RETURN;
SENDGROUP;

GROUP TREE

SGROUP TREE: 18M/OFF;
SRULE: SON BECOMES BIRD,
BIRD SEARCHFOR MOTHER,
*INSERT(BIRD DROPS EXCREMENT) (DROPS ON BAITOGOGO),
EXCREMENT BECOMES TREE;

SRULE: *RETURN;
SENDGROUP;

GROUP VERTICAL

SGROUP VERTICAL: 18M/OFF;
SLOOP: M.MYTH;
SRULE: *CALL CVERTICAL(M);

SENDLOOP;
SRULE: *RETURN;
SENDGROUP;

5.0. PROPP

5.1. Automatisation de la théorie de Propp concernant les contes à un mouvement.

Le programme présenté ici est une version révisée de celle donnée dans Klein et al. (1974). Les trente textes de contes produits sont également nouveaux, l'appendice comprend un listing complet du programme et de la grammaire. Pour deux contes, on a placé à côté du texte produit la pile des modifications (liste des structures profondes successives), les commentaires qui les accompagnent font référence soit au programme de simulation, soit au texte de Propp lui-même. Les vingt-huit contes restant sont rassemblés dans l'appendice. Le programme produit en fait deux piles de modifications pour chaque conte ; c'est à cette division que correspond la division en deux paragraphes du texte fourni par la machine.

Le point le plus délicat dans l'automatisation de Propp comme de Levi-Strauss, concerne la quantification logique des fonctions, c'est-à-dire la sélection cohérente au cours de l'intrigue de personnages de fonctions et d'objets qui soient compatibles entre eux. Propp suggère une liberté de composition qui ne paraît pas logiquement cohérente, bien qu'ailleurs (1968 : 112) il mentionne la nécessité pour le conteur de s'astreindre à des contraintes logiques présidant aux combinaisons en apparence arbitraires de l'intrigue. Ce point est discuté dans le travail de pionnier d'Elly-Köngas Maranda, "Individual and tradition", (1974). Dans le modèle de Propp présenté ici, un souci majeur a consisté à mettre en place une quantification logique contraignante. Comme dans l'exemple concernant Levi-Strauss, les classes indicées ont été utilisées ainsi que d'autres types de sélection logique (les indices permettent ici de former des ensembles de personnages, d'objets et de fonctions qui soient compatibles, plutôt que de conduire à des choix prédéterminés. Ceci correspond à l'orientation générale des hypothèses faites par Propp lui-même (1968 : 47, figure 1). Des tirages aléatoires sont opérés dans les classes en fonction de leurs indices).

Heda Jason, Dimitri Segal, Pierre et Elli-Köngas Maranda nous ont déclaré par oral, que les contes produits bien que fidèles aux spécifications énoncées par Propp, n'en étaient pas moins différents des contes russes réels. Jason et Segal ont plus particulièrement indiqués que si la syntaxe du modèle de Propp avait été respectée, certaines règles sémantiques d'ordre culturel avaient été violées. Toutes sortes de défauts subtils de cet ordre gênent un russe d'origine (Segal). Et de ce point de vue, Jason note que le modèle démontre utilement qu'il est nécessaire en folklore de distinguer entre syntaxe et sémantique (dans ce cas présent "sémantique" fait référence à des contraintes très subtiles portant sur la sélection d'unités en fonction de conventions culturelles évidentes pour le conteur indigène). Jason estime que c'est précisément notre ignorance du matériau original (contes russes) qui nous a permis de montrer en quoi les hypothèses de Propp, et de la plupart des théories ethno-poétiques contemporaines sont inadéquates. Car le modèle que nous avons construit de Propp est fidèle et si les contes ne sont pas acceptés par le lecteur indigène en raison de la violation de contraintes culturelles plus subtiles, il faut porter au crédit du modèle d'avoir mis en évidence l'existence de ces règles. (Elles sont par ailleurs aisées à prendre en compte, chaque connection ne requiert pas plus qu'une entrée dans la déclaration d'une classe ou une ligne de code supplémentaire).

Dans cette version corrigée du programme, la quantification logique de chaque conte est calculée par un groupe de contrôle principal avant de commencer l'exécution des groupes de règles. Afin de provoquer la production d'un conte, un nombre quelconque est fourni au générateur de nombres aléatoires. A partir de cette racine, ce mécanisme construit une séquence de nombres pseudo-aléatoires qui sont utilisés au cours de la construction du conte. Ainsi, il y a autant de contes possibles que de nombres (dans la pratique ce nombre ne peut dépasser les valeurs stockables dans un emplacement mémoire de la machine utilisée). Il est bien sur possible que plusieurs de ces contes soient des répliques exactes, mais nous ne discuterons pas ce point qui soulève des questions d'ordre à la fois statistique et empirique. Les numéros donnés aux textes de contes ne correspondent pas aux nombres qui ont servi de base pour les produire.

On ne commentera pas ici en détail le programme de simulation. Dans le texte de ce programme, des commentaires ont été insérés (soulignés par des lignes verticales). Ils renvoient aux pages de la deuxième édition de Propp (en anglais, 1968) et utilisent exactement les mêmes termes que ceux choisis dans cette édition pour désigner les fonctions. Ceci devrait permettre au lecteur de se convaincre que la modélisation faite de Propp est complète et pratiquement en correspondance bijective avec l'original. Ainsi le texte de Propp, 1968, peut-il être utilisé à l'égard de notre programme comme l'exemple schématique donné ci-dessus de la production d'un mythe issu du livre de Levi-Strauss.

5.2. La modélisation de contes à plusieurs mouvements.

L'utilisation de classes indicées à des fins de quantification est un procédé de quantification transformationnel dérivé de celui proposé par Lakoff à propos de Propp dans "Structural complexity in Fairy Tales" (1964, 1972) ; l'analogie faite par lui concernant l'utilisation de transformations pour la quantification de contes à plusieurs mouvements nous paraît par trop imprécise. Les mécanismes de quantification requis sont beaucoup plus complexes que ne le laisse supposer la solution vague qu'il propose sous ce vocable, les possibilités de combinaison des mouvements sont limitées par Propp lui-même à des imbrications d'intrigues beaucoup plus simples que celles qu'une combinaison logique permet de construire, la quantification d'un conte dont les parties sont fortement connectées et imbriquées est une tâche difficile mais qui doit être entreprise et pour laquelle une solution élégante doit être trouvée au-delà de l'application de simples recettes. Le problème est similaire à celui posé par le contrôle de l'exécution en parallèle de plusieurs programmes.

Une solution peu satisfaisante consisterait à générer les nombres correspondant aux contes principaux et à ceux qui leurs sont inclus avant le début de la production du texte. D'une façon plus élégante, on peut amener le programme de simulation à s'appeler lui-même récursivement à l'instar des sous-programmes et avec les paramètres appropriés, chaque fois qu'il est nécessaire de générer un autre mouvement à l'intérieur

d'un mouvement déjà en cours. Des difficultés apparaissent néanmoins si des événements du mouvement inclus sont nécessaires à la quantification de fonctions du mouvement inclusif.

Le système de simulation méta-symbolique offre deux possibilités qui ne sont pas exploitées pour l'instant ; la première permet au système de se projeter dans le "futur" afin d'évaluer son évolution. Cette évaluation anticipée pourrait fournir les données nécessaires à la quantification de l'appel fait au moment de la production d'un mouvement inclus, ou encore pourrait se produire à la sortie de ce mouvement pour obtenir les paramètres qui permettent de quantifier le reste du mouvement inclusif. Le second dispositif permet au programme de simulation de produire et d'exécuter d'autres programmes de simulations (méta-compilation). Si on suppose que les règles gouvernant un mouvement inclus sont plus restrictives que celles qui s'appliquent à un conte, on peut imaginer que les données fournies par une évaluation anticipée soient utilisées pour construire, compiler et exécuter un ensemble de règles plus contraignantes qui produisent le type de mouvement inclus que nécessite le mouvement inclusif. Cette technique permettrait l'imbrication de contes possédant des relations logiques avec ceux qui les incluent, beaucoup plus étroites que celles observées dans les contes russes réels.

6.0. L'ANALYSE AUTOMATIQUE DES CONTES

Un analyseur sémantique complet adapté à ce système est en cours de construction. Il permettra en particulier de déterminer quelles règles d'un programme de simulation donné pourraient avoir produit une structure profonde correspondant à un texte fourni en entrée. Des références pourraient alors être établies entre les unités lexicales et les objets ou les relations sémantiques qu'elles représentent. Les règles elles-mêmes qui constituent le programme de simulation étant elles aussi représentées dans le même réseau sémantique, il serait alors possible de passer d'un texte à l'ensemble des triplets qui lui sont associés, puis de déterminer les règles qui pourraient avoir produit ceux-ci (et ceci même si ces règles sont formulées en termes de classes d'objets ou de rela-

tions). Ainsi l'origine d'un triplet comme "John loves Mary" pourrait être rattachée à une règle du type MEN LOVE WOMEN en constatant l'appartenance de l'entité "John" à la classe MEN et celle de "Mary" à la classe de WOMEN. Si une ambiguïté se produit, plusieurs règles étant applicables, on peut inspecter les conditions qui leur sont associées, afin de déterminer lesquels étaient satisfaites dans le contexte analysé. On peut caractériser cette procédure comme une analyse présuppositionnelle automatique, les règles étant assimilées aux événements et les conditions comme présuppositions du premier ordre.

Ainsi, si les règles constituent un modèle structurel permettant de générer les contes d'un type donné, l'analyseur sémantique rendrait simple l'analyse automatique de contes qui satisferaient aux exigences du modèle. On peut envisager d'introduire de plus des possibilités d'apprentissage : soit un conte dans lequel un élément n'est pas conforme au modèle, on peut alors assigner au modèle de déterminer un changement des règles d'inclusion qui restitue la conformité. L'analyse automatique produirait alors des conclusions du type : "ceci pourrait résulter de l'application de la règle B si l'objet X était ajouté à la classe Q".

7.0. VERS LA CREATION AUTOMATIQUE DE MYTHES ET DE REVES

Jusqu'à un certain point, les rêves et les mythes peuvent être considérés comme des problèmes de requantification de scénarios existant déjà dans d'autres domaines. On peut ainsi imaginer bon nombre d'expériences utilisant le système de simulation méta-symbolique. L'article de Köngas-Maranda sur les énigmes relatives à la modernisation fournit un bon exemple pour présenter ce type de démarche. L'auteur décrit les énigmes dans des formes et avec des termes provenant de la période antérieure à ce contact. Supposons que l'on construise un modèle de simulation des énigmes concernant les objets traditionnels dans leur environnement originel. Supposons que de plus ces règles soient formulées en termes de classes. La création d'une énigme consiste alors pour

l'essentiel à inclure le nouvel objet culturel à une classe appropriée sur la base des règles prévalant avant le contact et à formuler l'énigme en utilisant ni le nom de l'item, ni le nom de sa classe, mais celui d'un autre élément appartenant originellement à cette classe afin de construire la métaphore. Un programme qui construirait de telles énigmes ou un programme qui y répondrait devrait procéder à des comparaisons entre les représentations sémantiques des deux types de règles et d'appartenance à des classes et rappellerait certaines des techniques utilisées par Köngas-Maranda dans "The logic of riddles" (1971) et dans "theory and practice of analysis" (1971).

La création de rêves peut également être considérée comme une tâche visant à quantifier un scénario. Selon l'hypothèse psychanalytique suivant laquelle les rêves tentent de résoudre des problèmes et des conflits issus du monde réel, supposons construit un modèle de simulation dont les règles décrivent le comportement d'un individu au cours de sa vie quotidienne. Résoudre un conflit consisterait à trouver un scénario de réussite construit selon les règles d'un individu et à procéder ensuite à la redéfinition des classes qui intègrent de façon cohérente les éléments de la situation qui pose un problème, les règles ainsi modifiées produiraient à l'exécution de l'objet recherché : un rêve reconstruit. Une approche plus complexe impliquerait la compilation d'un scénario complètement neuf en suivant les indications fournies par des règles de méta-compilation adaptées à la production de rêves et qui opéreraient comme des transformations sur les scénarios existants. Ce type de production fait peut être partie des processus impliqués dans l'ontogénie des mythes ou dans la dérivation de mythes à partir de mythes existants.

8.0. UNE MODELISATION COMPLETE DE LEVI-STRAUSS/COMMENT LA REALISER.

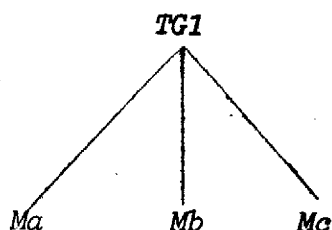
Un des résultats de ce travail informatique est, pensons-nous, de fournir deux éclairages importants sur le contenu de l'oeuvre de Levi-Strauss :

1) Le premier a trait à l'affirmation de Levi-Strauss que les structures mythiques peuvent être considérées comme des partitions d'orchestre et que la structure séquentielle des événements peut être comparée à la répétition d'un même type qui doit être soumis à un re-classement de type harmonique (Levi-Strauss, 1955). Cette affirmation peut être reformulée dans les termes du système de simulation méta-symbolique. Ces répétitions d'éléments similaires peuvent être assimilées aux occurrences de fragments de scénarios produits par le même groupe de règles après requantifications successives. Une analyse harmonique proche de l'orchestration est au préalable réellement nécessaire à la construction d'un groupe de règles accompagné de la quantification logique pertinente. Cette reformulation ne contredit pas la perspective de Levi-Strauss. Elle manifeste plutôt la capacité du modèle à reproduire une partie significative de son oeuvre.

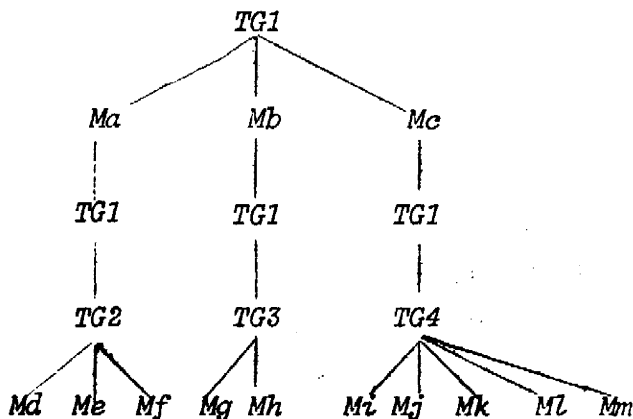
2) Le second est lié à la possibilité de suivre de façon systématique la pensée de Levi-Strauss elle-même. Notre travail actuel sur l'apprentissage mécanisé et la méta-compilation de grammaires de textes (Klein, 1975) fournit la méthode. Essentiellement, il est besoin de programme possédant les capacités d'apprentissage nécessaires pour incorporer les caractéristiques d'un texte nouveau dans une grammaire de texte déjà existante ou pour créer une nouvelle grammaire ayant le même domaine que l'ancienne, plus le texte nouveau. Si l'on se place dans cette dernière hypothèse, on suppose donc que l'on a un programme capable de créer une nouvelle grammaire de texte à partir d'une première grammaire quelconque et d'un texte quelconque. On désirerait alors introduire quelques contraintes sur cette opération (quels textes accepter, quelles limites placer sur le processus de synthèse ...) et c'est cette spécification des contraintes qui constituerait le modèle de la pensée de Levi-Strauss.

Ainsi nous sommes en train d'essayer de construire un modèle pour tous les mythes du "cru et le cuit" par une méthode plus puissante que celle que nous avons utilisée auparavant.

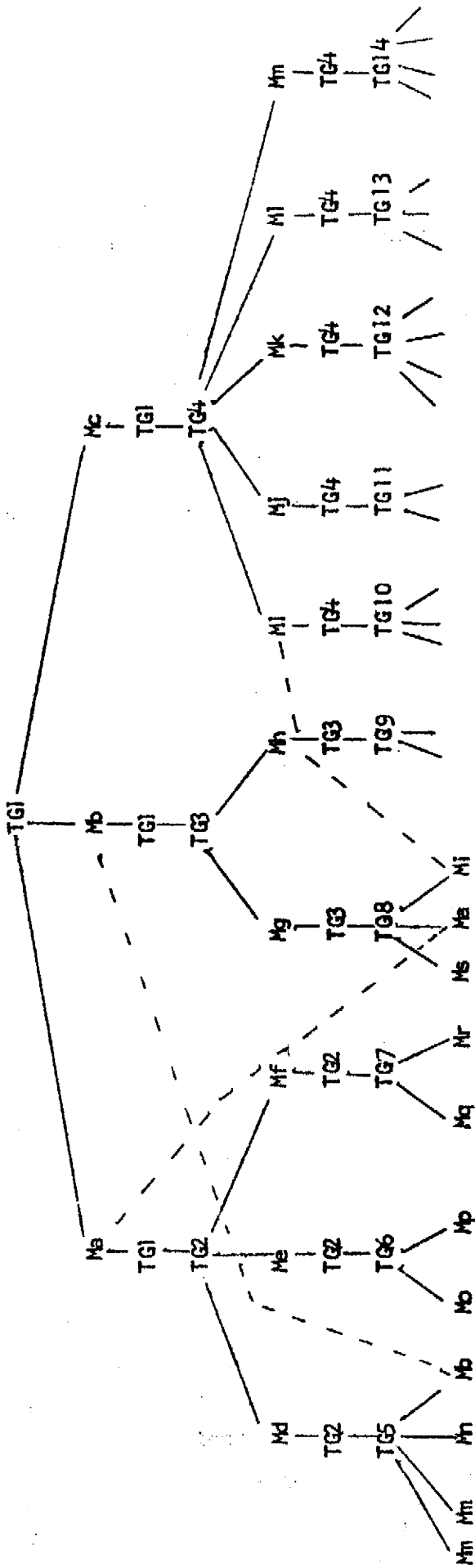
Le principe consiste à construire non pas une grammaire de texte, mais une arborescence hiérarchisée (voir un réseau) de telles grammaires au moyen d'un programme automatique permettant l'apprentissage de grammaires. On construit tout d'abord une seule grammaire pour un groupe de mythes très voisins (dans ce qui suit 'TG' représente les grammaires de texte et 'M' les mythes) :



Une copie séparée de cette grammaire est associée à chacun des mythes utilisés pour sa création. Chacune de ces copies peut maintenant servir de point de départ pour obtenir une nouvelle grammaire après confrontation à un nouveau groupe de mythes :



Le même processus est ensuite répété pour chacune des nouvelles branches de l'arbre et ainsi de suite, suivant ce que les données et les considérations heuristiques indiquent. Le résultat ne se présente pas nécessairement sous la forme d'un arbre, les mêmes mythes pouvant être mis à contributions à plusieurs reprises :



- FIGURE A -

Le suivi du travail de ce programme d'apprentissage analytique fournirait automatiquement la liste des transformations de type de Levi-Strauss.

Nous pensons savoir comment rendre automatique le processus de base et y travaillons actuellement. Ce que nous espérons toujours saisir est la nature des heuristiques utilisées par Levi-Strauss pour choisir les textes à associer pour créer de nouvelles grammaires de textes, et choisir leur ordre de succession. Pour le moment, nous pensons pouvoir reproduire le processus en acceptant comme données les groupements de mythes et l'ordre de succession de ceux-ci tels qu'ils sont fournis par Levi-Strauss. Nous ne pouvons qu'espérer découvrir la méthode sous-jacente au choix de cet ordre de succession par la création de programmes d'évaluation qui pourraient éventuellement reproduire ces choix en matière de sélection de mythes.

9.0. Appendice : MODELE DE LA GENERATION AUTOMATIQUE DE PROPP ET SORTIES DU PROGRAMME.

Le fait qu'un item lexical et une relation soient inclus dans le modèle n'est pas inhérent au modèle.

Les codes numériques associés aux règles notées en 10.4 marquent les liens entre les entités sémantiques et les structures de phrases et indiquent les types de transformation. Toutes les transformations ne sont pas notées. On peut les déduire des textes engendrés par le programme.

De même, on n'a pas donné le lexique muni de ses codes grammaticaux représentés par des vecteurs binaires.

Dans les histoires reproduites, on n'a porté que peu d'attention au traitement des pronoms. Ceci a été fait plus complètement dans d'autres travaux (Klein, 1965b).

1	SNOWFLAKE		66
2	THAT	3 = 'THAT'	67
3	HX	0 =	68
4	LST	0 =	69
5	ULST	0 =	70
6	ABILITY	2 = 'ABILITY'	71
7	AID	2 = 'AID'	72
8	ALIOSHA	0 = 'ALIOSHA'	73
9	ANIMALS	3 = 'ANIMAL'	74
10	ARM	0 = 'ARM'	75
11	BABAYAGH	0 = 'BABAYAGH'	76
12	BABAYAGA	0 = 'BABAYAGA'	77
13	BALDAK	0 = 'BALDAK'	78
14	BALL	0 = 'BALL'	79
15	BALLOFTHREAD	0 =	80
16	BARN	2 = 'BARN'	81
17	BEAR	0 = 'BEAR'	82
18	BEARSFATHER	2 =	83
19	BEGGAR	0 = 'BEGGAR'	84
20	BERENNIKOV	3 = 'BERENNIKOV'	85
21	BIRD	4 = 'BIRD'	86
22	BIRTH	4 = 'BIRTH'	87
23	BLACKSMITHS	1 = 'BLACKSMITH'	88
24	BLOODYTRACKS	0 =	89
25	BONES	3 = 'BONE'	90
26	BONES1	1 = 'BONE'	91
27	BORIS	0 = 'BORIS'	92
28	BORISIEVICH	3 = 'BORISIEVICH'	93
29	BRIDE	4 = 'BRIDE'	94
30	BULL	0 = 'BULL'	95
31	CARD	5 = 'CARD'	96
32	CATTLE	3 = 'CATTLE'	97
33	CERTAINKINGDOM	0 = 'CERTAIN KINGDOM'	98
34	CLEVERNESS	5 = 'CLEVERNESS'	99
35	COMPETITION	0 = 'COMPETITION'	100
36	COW	0 = 'COW'	101
37	CROPS	1 = 'CROP'	102
38	DAUGHTER	2 = 'DAUGHTER'	103
39	DAYLIGHT	2 = 'DAYLIGHT'	104
40	DEATH	0 = 'DEATH'	105
41	DEVIL	0 = 'DEVIL'	106
42	DIPPER	0 = 'DIPPER'	107
43	DISAPPEARANCE	2 = 'DISAPPEARANCE'	108
44	DISPOF	0 =	109
45	DISPOSAL	2 = 'DISPOSAL'	110
46	DISPOSGF	0 =	111
47	DISTANTPROVINCE	0 =	112
48	DISPUTAN	3 = 'DISPUTANT'	113
49	DISPUTE	2 = 'DISPUTE'	114
50	DRAGON	0 = 'DRAGON'	115
51	DRAGONWIFE	0 =	116
52	DUNIA	0 = 'DUNIA'	117
53	EATEN	0 = 'EATEN'	118
54	EGGOFDEATH	2 = 'EGG OF DEATH'	119
55	ELENA	0 = 'ELENA'	120
56	EMELYA	0 = 'EMELYA'	121
57	ERENA	0 = 'ERENA'	122
58	EXCHANGE	0 = 'EXCHANGE'	123
59	EYE	0 = 'EYE'	124
60	FALCON	0 = 'FALCON'	125
61			126
62			127
63			128
64			129
65			130
66			131

67	FATHER	2 = 'FATHER'	132
68	FEMALE	0 =	133
69	FIELD	4 = 'FIELD'	134
70	FILLOS	3 = 'FIELD'	135
71	FIREBIRD	0 = 'FIREBIRD'	136
72	FLIGHT	2 = 'FLIGHT'	137
73	FOHA	0 = 'FOHA'	138
74	FOREST	2 = 'FOREST'	139
75	FORESTHUT	0 = 'FOREST HUT'	140
76	FORESTKN	0 = 'FOREST KNIGHT'	141
77	FOX	0 = 'FOX'	142
78	FRIEND	0 = 'FRIEND'	143
79		1 = F1 THROUGH F19 ARE USED AS CLASS SUBSCRIPTS, AS SUBSCRIPTS	144
80		A CANNOT BE INTRUERS.	145
81	F1	0 =	146
82	F2	0 =	147
83	F3	0 =	148
84	F4	0 =	149
85	F5	0 =	150
86	F6	0 =	151
87	F7	0 =	152
88	F8	0 =	153
89	F9	0 =	154
90	F10	0 =	155
91	F11	0 =	156
92	F12	0 =	157
93	F13	0 =	158
94	F14	0 =	159
95	F15	0 =	160
96	F16	0 =	161
97	F17	0 =	162
98	F18	0 =	163
99	F19	0 =	164
100	GARDEN	2 = 'GARDEN'	165
101	GIANT	0 = 'GIANT'	166
102	GOLD	0 = 'GOLD'	167
103	GOLDDUCK	0 = 'GOLD DUCK'	168
104	GOOSE	0 = 'GOOSE'	169
105	GRAVE	0 = 'GRAVE'	170
106	GUSLA	0 = 'GUSLA'	171
107	HEART	2 = 'HEART'	172
108	HEDGEHOG	0 = 'HEDGEHOG'	173
109	HELP	0 = 'HELP'	174
110	HIDING	0 = 'HIDING'	175
111	HIMSELF	0 = 'HIMSELF'	176
112	HERSELF	0 = 'HERSELF'	177
113	HOME	2 = 'HOME'	178
114	HORSE	0 = 'HORSE'	179
115	HOUSE	2 = 'HOUSE'	180
116	HUSBAND	4 = 'HUSBAND'	181
117	HUT	2 = 'HUT'	182
118	INSTRUCTIONS	3 = 'INSTRUCTION'	183
119	INTRUDICT	0 =	184
120	IT	0 = 'IT'	185
121	IVAN	0 = 'IVAN'	186
122	JUG	0 = 'JUG'	187
123	KATRINA	0 = 'KATRINA'	188
124	KILLED	0 = 'KILLED'	189
125	KINGDOM	0 = 'KINGDOM'	190
126	LADY	4 = 'LADY'	191
127			192
128			193
129			194
130			195
131			196

132			197
133	LAKE	0 = 'LAKE'	198
134	LAKENT	0 = 'LAKENT'	199
135	LAND	2 = 'LAND'	200
136	LEATHERSTRAPS	5 = 'LEATHER STRAP'	201
137	LEG	0 = 'LEG'	202
138	LOCATIO	2 = 'LOCATION'	203
139	MAGBIRD	0 = 'MAGIC BIRD'	204
140	MAGBOW	0 = 'MAGIC BOW'	205
141	MAGDOX	0 = 'MAGIC BOX'	206
142	MAGCAPPET	0 = 'MAGIC CAPPET'	207
143	MAGCOW	0 = 'MAGIC COW'	208
144	MAGEGG	0 = 'MAGIC EGG'	209
145	MAGFLINT	0 = 'MAGIC FLINT'	210
146	MAGICHEM	0 = 'MAGIC HEM'	211
147	MAGICPIN	0 = 'MAGIC PIN'	212
148	MAGKEY	0 = 'MAGIC KEY'	213
149	MAGPOTION	0 = 'MAGIC POTION'	214
150	MAGRING	0 = 'MAGIC RING'	215
151	MAGRING2	0 = 'MAGIC RING2'	216
152	MAGSTEED	0 = 'MAGIC STEED'	217
153	MAGSWORD	0 = 'MAGIC SWORD'	218
154	MAGWAFFER	0 = 'MAGIC WAFFER'	219
155	MAGWORDS	0 = 'MAGIC WORD'	220
156	MALE	0 =	221
157	HAN	0 = 'HAN'	222
158	MARCO	0 = 'MARCO'	223
159	MARIA	0 = 'MARIA'	224
160	MARSHA	0 = 'MARSHA'	225
161	MEAL	0 = 'MEAL'	226
162	MEAT	0 = 'MEAT'	227
163	MERCY	0 = 'MERCY'	228
164	MOREVNAS	3 = 'MOREVNA'	229
165	MOTHER	2 = 'MOTHER'	230
166	MOUNTAIN	0 = 'MOUNTAIN'	231
167	MURDEROF	0 =	232
168	MYDEATH	0 =	233
169	MYKISDOM	0 =	234
170	NFAMILY	2 = 'FAMILY'	235
171	NFIGHT	4 = 'FIGHT'	236
172	NICHOLAS	0 = 'NICHOLAS'	237
173	NIGHT	0 = 'NIGHT'	238
174	NIGHTS	5 = 'NIGHT'	239
175	MURDER	2 = 'MURDER'	240
176	OBJECT	0 = 'OBJECT'	241
177	OLDLADY	4 =	242
178	OLDMAN	0 = 'OLD MAN'	243
179	OTHERTREE	0 =	244
180	PARANOV	3 = 'PARANOV'	245
181	PERMISSION	0 = 'PERMISSION'	246
182	PLACE	2 = 'PLACE'	247
183	POPOVICH	3 = 'POPOVICH'	248
184	PPISONFR	0 = 'PRISONER'	249
185	PROVINCE	0 = 'PROVINCE'	250
186	QUESTION	0 = 'QUESTION'	251
187	RATS	5 = 'RAT'	252
188	REPLACEMENT	0 =	253
189	RIVER	0 = 'RIVER'	254
190	ROCK	0 = 'ROCK'	255
191	SEA	2 = 'SEA'	256
192	SEARCH	0 = 'SEARCH'	257
193			258
194			259
195			260
196			261
197			262
198			263

200	SEED	0 = 'SEED'	264
201	SHIP	3 = 'SHIP'	265
202	SLEEPINGPOTION	0 = 'SLEEPING POTION'	266
203	SON	2 = 'SON'	267
204	SPELL	0 = 'SPELL'	268
205	SPELLON	0 =	269
206	STAIRWAY	0 = 'STAIRWAY'	270
207	STEAMBATH	4 = 'STEAMBATH'	271
208	STOVE	0 = 'STOVE'	272
209	SUBSTITUTION	2 = 'SUBSTITUTION'	273
210	SUPERSPEED	0 = 'INCREDIBLE SPEED'	274
211	SUPSTREN	0 = 'SUPER-HUMAN STRENGTH'	275
212	SWEETOLADY	4 =	276
213	SWIM	4 = 'SWIM'	277
214	TASK	0 =	278
215	TEMPTATION	2 = 'TEMPTATION'	279
216	THEM	1 = 'THEM'	280
217	THEY	5 = 'THEY'	281
218	THREAD	0 = 'THREAD'	282
219	TIME	2 = 'TIME'	283
220	TOWN	2 = 'TOWN'	284
221	TRACK	3 = 'TRACK'	285
222	TRANSFORMABILITY	0 = 'TRANSFORMABILITY'	286
223	TREE	0 = 'TREE'	287
224	TRESP	0 =	288
225	TUNNEL	0 = 'TUNNEL'	289
226	VASILISA	0 = 'VASILISA'	290
227	VILLAGER	0 = 'VILLAGER'	291
228	VILLAGER2	0 = 'VILLAGER'	292
229	VLADIMIR	0 = 'VLADIMIR'	293
230	WAR	0 = 'WAR'	294
231	WARON	0 =	295
232	WAY	2 = 'WAY'	296
233	WEALTH	0 = 'WEALTH'	297
234	WELL	0 = 'WELL'	298
235	WISDOM	0 = 'WISDOM'	299
236	WITCH	0 = 'WITCH'	300
237	WIVES	1 = 'WIFE'	301
238	WOLF	0 = 'WOLF'	302
239	WOLFPACK	2 = 'WOLF PACK'	303
240	WOODS	3 = 'WOOD'	304
241	YEARS	5 = 'YEAR'	305
242	YOUNGMAN	4 =	306
243	YOURDEATH	0 =	307
244	YOURWISDOM	0 =	308
245	SRELATIONS	0 =	309
246	XN	A 2 0 = 'ABDUCT'	310
247	ABDUCT	I 3 0 = 'ABDUCT'	311
248	AFTER	I 4 0 = 'AFTER'	312
249	AGAIN	A 6 1 = 'AGAIN'	313
250	AGREE	A 3 0 = 'AGREE'	314
251	ALLURING	A 2 0 = 'ALLURING'	315
252	ALONE	A 2 0 = 'ALONE'	316
253	ALONG	I 4 0 = 'ALONG'	317
254	ALSO	A 6 0 = 'ALSO'	318
255	ANNOUNC	I 3 2 = 'ANNOUNCE'	319
256	ANSWER	I 3 0 = 'ANSWER'	320
257	APPEAR	A 3 0 = 'APPEAR'	321
258	APPEARIN	I 3 0 =	322
259			323
260			324
261			325
262			326
263			327

263
264
265 APPEARZ I 3 0 = 'APPEAR'
266 APPEARZO I 3 0 =
267 AS I 4 0 = 'AS'
268 ASK A 3 0 = 'ASK'
269 ASK1 I 3 0 = 'ASK'
270 ASKFOR I 3 0 =
271 ASLEEP A 2 0 = 'ASLEEP'
272 AT I 4 0 = 'AT'
273 ATTEMPT A 3 0 = 'ATTEMPT'
274 AVOID A 3 0 = 'AVOID'
275 AWARE A 6 1 = 'AWARE'
276 AWAY A 6 1 = 'AWAY'
277 AWAYFROM I 3 0 =
278 BACK I 4 0 = 'BACK'
279 BADLY A 6 0 = 'BAD'
280 BE A 3 0 = 'BE'
281 BEL A 3 0 = 'BE'
282 BENEADING A 3 0 = 'BEHEAD'
283 BENEIDDEN A 2 0 =
284 BEING I 3 0 = 'BE'
285 BERRYGATHER A 3 4 = 'BERRY GATHER'
286 BESIDE I 4 0 = 'BESIDE'
287 BLOCK A 3 0 = 'BLOCK'
288 BLOODY A 2 0 = 'BLOOD'
289 BRAVE A 2 0 = 'BRAVE'
290 BRAWL A 3 0 = 'BRAWL'
291 BROKEN A 2 0 = 'BREAK'
292 BURY A 3 0 = 'BURY'
293 BY I 4 0 = 'BY'
294 BY1 A 4 0 = 'BY'
295 CALL I 3 0 = 'CALL'
296 CALLFOR I 3 0 =
297 CAST I 3 0 = 'CAST'
298 CASTSFELLOW I 3 0 =
299 CAUGHT A 2 0 = 'CATCH'
300 CAUSE I 3 0 = 'CAUSE'
301 CAUSEDISPOP I 3 0 =
302 CERTAIN I 3 0 = 'CERTAIN'
303 CHANGE I 3 0 = 'CHANGE'
304 CHANGE1 A 3 0 = 'CHANGE'
305 CHASE A 3 0 = 'CHASE'
306 CHILDLESS A 2 0 = 'CHILDLESS'
307 CLIMB I 3 0 = 'CLIMB'
308 COME A 3 0 = 'COME'
309 CONSUME I 2 0 = 'CONSUME'
310 CONSUMEDBY I 2 0 =
311 CRAWL I 3 0 = 'CRAWL'
312 CRAWLTHROUGH I 3 0 =
313 CUT I 3 0 = 'CUT'
314 CUTOFF I 3 0 =
315 CUTOUT I 3 0 =
316 DECIDE A 3 0 = 'DECIDE'
317 DECLARE I 3 0 = 'DECLARE'
318 DECLARENARON I 3 0 =
319 DEFEAT I 3 0 = 'DEFEAT'
320 DEFEATED A 2 0 = 'DEFEAT'
321 DEMAND I 3 0 = 'DEMAND'
322 DESCEND I 3 0 = 'DESCEND'
323 DESCENDBYUSING I 3 0 =
324 DEVOUR I 3 0 = 'DEVOUR'
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331 DIE A 3 0 = 'DIE'
332 DIRECT I 2 0 = 'DIRECT'
333 DIRECTEDBY I 2 0 =
334 DISCOVER I 3 0 = 'DISCOVER'
335 DISTANT A 2 0 = 'DISTANT'
336 DIVIDE I 3 0 = 'DIVIDE'
337 DISGUISE I 3 0 = 'DISGUISE'
338 DONOT A 3 0 = 'DO NOT'
339 DROWNING A 3 0 = 'DROWN'
340 DYING A 2 0 = 'DIE'
341 EAT A 3 0 = 'EAT'
342 EAT1 I 3 0 = 'EAT'
343 ENGAGE A 3 0 = 'ENGAGE'
344 ENTICED A 2 0 = 'ENTICE'
345 ESCAPE A 3 0 = 'ESCAPE'
346 EXPEL I 3 0 = 'EXPEL'
347 FAIL A 3 0 = 'FAIL'
348 FAIRLY A 6 0 = 'FAIR'
349 FALL A 3 0 = 'FALL'
350 FALLASLEEP A 3 0 =
351 FEED A 3 0 = 'FEED'
352 FEEDINGTORATS A 3 0 =
353 FIGHT A 3 0 = 'FIGHT'
354 FIGHTMG I 2 0 = 'FIGHT'
355 FIGHTINGWITB I 2 0 =
356 FIND I 3 0 = 'FIND'
357 FISH A 3 4 = 'FISH'
358 FLY A 3 0 = 'FLY'
359 FLY2 I 3 0 = 'FLY'
360 FLYINTO I 3 0 =
361 FLTON I 3 0 =
362 FOLLOW I 3 0 = 'FOLLOW'
363 FOR I 4 0 = 'FOR'
364 FORGET I 3 0 = 'FORGET'
365 FOUND I 2 0 = 'FIND'
366 POUND1 I 2 0 =
367 FREE I 3 0 = 'FREE'
368 FREED A 2 0 = 'FREE'
369 FREEDFROMSPELL A 2 0 =
370 FROM I 4 0 = 'FROM'
371 GATHER I 3 0 = 'GATHER'
372 GIVE I 2 0 = 'GIVE'
373 GIVENTO I 2 0 =
374 GNAW A 3 0 = 'GNAW'
375 GOBERRYGATHER A 3 0 =
376 GOFISH A 3 0 =
377 GO I 3 0 = 'GO'
378 GOTO I 3 0 =
379 GOTOFOREST A 3 0 =
380 GOTOWAR A 3 0 =
381 GOTHADE A 3 0 =
382 GOVISIT A 3 0 =
383 GOWALK A 3 0 =
384 GOWORK A 3 0 =
385 GREET I 3 0 = 'GREET'
386 GRIEVE I 3 0 = 'GRIEVE'
387 HAVE I 3 0 = 'HAVE'
388 HAVE1 A 3 0 = 'HAVE'
389 HER A 2 0 = 'HER'
390 HIDDEN A 2 0 = 'HIDE'
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397 HIDE A 3 0 = 'HIDE'
398 HIS A 2 0 = 'HIS'
399 HORRIBLY A 6 1 = 'HORRIBLE'
400 IMPRISON I 3 0 = 'IMPRISON'
401 IMPRISONED A 2 0 = 'IMPRISON'
402 IN I 4 0 = 'IN'
403 INJURE I 3 0 = 'INJURE'
404 INTO I 4 0 = 'INTO'
405 INTOLEAVING I 4 0 =
406 IS I 3 0 = 'BE'
407 ISCHILDOP I 3 0 =
408 JUMP A 3 0 = 'JUMP'
409 KILL I 3 0 = 'KILL'
410 KILL1 I 3 0 = 'KILL'
411 LEAVE A 3 0 = 'LEAVE'
412 LEAVE1 I 3 0 = 'LEAVE'
413 LED I 2 0 = 'LEAD'
414 LEDBY I 2 0 =
415 LISTEN A 3 0 = 'LISTEN'
416 LIVE I 3 0 = 'LIVE'
417 LIVEIN I 3 0 =
418 MARRY A 3 0 = 'MARRY'
419 MEET I 3 0 = 'MEET'
420 MIRACULOUS A 2 0 = 'MIRACULOUS'
421 MURDER I 3 0 = 'MURDER'
422 MY A 2 0 = 'MY'
423 NEED I 3 0 = 'NEED'
424 NOGOTO I 3 0 =
425 NOLEAVE I 3 0 =
426 NOT1 A 6 1 = 'NOT'
427 OBTAIN I 3 0 = 'OBTAIN'
428 OBTAINED A 2 0 = 'OBTAIN'
429 OF I 4 0 = 'OF'
430 OFF A 4 0 = 'OFF'
431 OFFER I 3 0 = 'OFFER'
432 OFFERED I 2 0 = 'OFFER'
433 OFFEREDTO I 2 0 =
434 OLD A 2 0 = 'OLD'
435 OLDEST A 2 0 = 'OLDEST'
436 ON I 4 0 = 'ON'
437 ONLY A 2 0 = 'ONLY'
438 OPEN A 2 0 = 'OPEN'
439 ORDER I 3 0 = 'ORDER'
440 ORDERINTOSEA I 3 0 =
441 ORDERMURDEROP I 3 0 =
442 OTHER A 2 0 = 'OTHER'
443 OUT A 4 0 = 'OUT'
444 OVER I 4 0 = 'OVER'
445 OWN I 3 0 = 'OWN'
446 PARTAKE A 3 0 = 'PARTAKE'
447 PERSUADE A 3 0 = 'PERSUADE'
448 PERSUADE2 I 3 0 = 'PERSUADE'
449 PILLAGE I 3 0 = 'PILLAGE'
450 PLACED I 2 0 = 'PLACE'
451 PLACEDATDISPOP I 3 0 =
452 PLAY I 3 0 = 'PLAY'
453 PLUCK I 3 0 = 'PLUCK'
454 PLUCKOUT I 3 0 =
455 PLUNDER I 3 0 = 'PLUNDER'
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463 PREPARE A 2 0 = 'PREPARE'
464 PREPARE1 I 2 0 = 'PREPARE'
465 PREPAREDFOR I 2 0 =
466 RESPOND I 3 0 = 'RESPOND'
467 PRODUCE A 2 0 = 'PRODUCE'
468 PROPOSE I 3 0 = 'PROPOSE'
469 PERSUADED A 2 0 = 'PERSUADE'
470 FULL I 3 0 = 'FULL'
471 PULLOFF I 3 0 =
472 PURSUE I 3 0 = 'PURSUE'
473 RAND I 3 0 =
474 RAND1 A 0 0 = 'AND'
475 RECONCILE I 3 0 = 'RECONCILE'
476 REFUSE A 3 0 = 'REFUSE'
477 REPEL I 3 0 = 'REPEL'
478 REPLACE A 2 0 = 'REPLACE'
479 REPLACE1 I 3 0 = 'REPLACE'
480 REQUEST I 3 0 = 'REQUEST'
481 RESPOND I 3 0 = 'RESPOND'
482 RETURN A 3 0 = 'RETURN'
483 REVIVED A 2 0 = 'REVIVE'
484 RNULL I 7 0 =
485 ROASTING A 3 0 = 'ROAST'
486 RUDELY A 6 1 = 'RUDE'
487 SAME A 2 0 = 'SAME'
488 SAY A 3 0 = 'SAY'
489 SAY2 I 3 5 = 'SAY'
490 SEARCH1 A 3 0 = 'SEARCH'
491 SEARCHFOR I 3 0 =
492 SECRETLY A 6 0 = 'SECRET'
493 SELIZE A 2 0 = 'SELIZE'
494 SEIZEDBY I 3 0 =
495 SEIZE I 3 0 = 'SEIZE'
496 SEND I 3 0 = 'SEND'
497 SHOW I 3 0 = 'SHOW'
498 SHOWN I 2 0 = 'SHOW'
499 SHOWNTHEREBY I 3 0 =
500 SHOWNTO I 3 0 =
501 SIT A 3 0 = 'SIT'
502 SNEAK I 3 0 = 'SNEAK'
503 SNEAKINTO I 3 0 =
504 SOLD I 2 0 = 'SELL'
505 SOLDTO I 3 0 =
506 SPEND I 3 1 = 'SPEND'
507 START A 3 0 = 'START'
508 STAY A 3 0 = 'STAY'
509 STEP A 2 0 = 'STEP'
510 SUDDENLY A 6 1 = 'SUDDEN'
511 SUNG A 2 0 = 'SING'
512 SURPRISE I 3 0 = 'SURPRISE'
513 SWEET A 6 0 = 'SWEET'
514 SWEETOLD A 2 0 =
515 TAKEAWAY I 3 0 =
516 TAKE I 3 0 = 'TAKE'
517 TEMP I 3 0 = 'TEMP'
518 THIRD A 2 0 = 'THIRD'
519 THREATEN I 3 0 = 'THREATEN'
520 THREATEN1 I 3 0 = 'THREATEN'
521 THREATEN2 A 2 0 = 'THREATEN'
522 THREATEN3 I 3 0 =
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530 THREE A 2 0 = 'THREE' ;
531 THROUGH I 4 0 = 'THROUGH' ;
532 TO I 4 2 = 'TO' ;
533 TOIL A 3 0 = 'TOIL' ;
534 TORMENT I 3 0 = 'TORMENT' ;
535 TOWARD I 4 0 = 'TOWARD' ;
536 TRADE A 3 0 = 'TRADE' ;
537 TRAVEL A 3 0 = 'TRAVEL' ;
538 TRAVEL I 3 0 = 'TRAVEL' ;
539 TRAVELBY I 3 0 = ;
540 TRAVELTO I 3 0 = ;
541 TRICK I 3 0 = ;
542 TROUNCED I 3 0 = 'TRICK' ;
543 TRY A 2 0 = 'TROUNCE' ;
544 TWICE A 3 0 = 'TRY' ;
545 UNLUCKY A 6 0 = 'TWICE' ;
546 UNPROTECTED A 2 0 = 'UNLUCKY' ;
547 USE I 3 0 = 'UNPROTECTED' ;
548 USING I 4 0 = 'USE' ;
549 VISIT A 3 4 = 'USING' ;
550 WALK A 3 4 = 'VISIT' ;
551 WALKSIN I 3 0 = 'WALK' ;
552 WALKINTO I 3 0 = 'WALK' ;
553 WANDER A 2 0 = 'WANDER' ;
554 WHERC I 4 1 = 'WHEPE' ;
555 WHEREIS I 4 1 = 'WHICE' ;
556 WHICH I 4 0 = 'WHICH' ;
557 WHILE I 4 0 = 'WHILE' ;
558 WHILEI A 4 0 = 'WHILE' ;
559 WHO I 4 3 = 'WHO' ;
560 WHOOWN I 4 3 = ;
561 WICKED A 2 0 = 'WICKED' ;
562 WIN A 3 0 = 'WIN' ;
563 WITH I 4 0 = 'WITH' ;
564 WITHOUT I 4 0 = 'WITHOUT' ;
565 WITHOUTI A 4 0 = 'WITHOUT' ;
566 WORK A 3 0 = 'WORK' ;
567 WOUNDED A 2 0 = 'WOUND' ;
568 YELL A 3 0 = 'YELL' ;
569 YOUNG A 2 0 = 'YOUNG' ;
570 YOUR A 2 0 = 'YOUR' ;
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573 \$CLARGES ;
574 ABSTENTOR = ;
575 ADIFF = F6 F10 F12 F10 ;
576 AFORM = ;
577 AFORMS = F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F13 F14 F15 F16 F17 F18 F19 ;
578 AFORMTMP = ;
579 AOBFORMS = F2 F3 F4 F5 F6 ;
580 AOBJ(F10) = SEA ;
581 AOBJ(F10) = NIGHT ;
582 3 AREL(F1) = ANNUCT ;
583 3 AREL(F2) = SEIZE ;
584 3 AREL(F3) = PILLAGE ;
585 3 AREL(F4) = SEIZE ;
586 3 AREL(F5) = PLUNDER ;
587 3 AREL(F6) = INJURE ;
588 3 AREL(F7) = CAUSEDISPOF ;
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595 3 AREL(F8) = DEMAND ;
596 3 AREL(F9) = EXPEL ;
597 3 AREL(F10) = ORDER ;
598 3 AREL(F11) = CASTSPELLON ;
599 3 AREL(F12) = REPLACE ;
600 3 AREL(F13) = ORDERMURDEROF ;
601 3 AREL(F14) = MURDER ;
602 3 AREL(F15) = IMPRISON ;
603 3 AREL(F16) = THREATMARRY ;
604 3 AREL(F17) = THREATAT ;
605 3 AREL(F18) = TORMENT ;
606 3 AREL(F19) = DECLARWARON ;
607 3 AREL2(F10) = INTO ;
608 3 AREL2(F18) = AT ;
609 3 ARRIVALS = FLYINTO APPEARIN SNEAKINTO WALKINTO ;
610 BETAFORM = ;
611 2 BETAREL(F1) = LEAVE ;
612 2 BETAREL(F2) = DIE ;
613 2 BETAREL(F3) = LEAVE ;
614 BETRAYER = ;
615 BFORM = ;
616 BFORMS = F1 F2 F3 F4 ;
617 BFORMSLACK = F2 F3 ;
618 BODYPARTS = ARM LEG EYE HEART ;
619 CHARTMP = ;
620 CHILD(MALE) = SON ;
621 CHILD(FEMALE) = DAUGHTER ;
622 COBJ = ;
623 DEAD = ;
624 3 DELTAREL = ;
625 DFORM = ;
626 DFORMS = F1 F2 F3 F4 F5 F6 F7 F9 F10 ;
627 DISGUISES = BIRD YOUNGMAN SWEETOLLADY ;
628 DISPATCHER = ;
629 DISTYPE = ;
630 DISTYPES = BONES1 SHEEP ;
631 DIFORMS = F1 F2 F3 F9 ;
632 DONOR = ;
633 DRESSES = WITCH FORESTRK COM DEVIL JUG GIANT OLDMAN BULL ;
634 DOBJ(F1) = WITCH FORESTRK STOVE ;
635 DOBJ(F2) = ;
636 DOBJ(F3) = COW MAN ;
637 3 DREL(F1) = PROPOSE ;
638 3 DREL(F3) = ASK ;
639 DRESSES = FORESTRK STOVE COW MAN ;
640 DTRYS = WITCH ;
641 EFSFORM = ;
642 EFSFORMS = F1 F2 ;
643 EFSOBJECT = ;
644 FAMILY = ;
645 FANNAM = ;
646 FANNMP = ;
647 FEMALES = MARTRA KAPPINA MARIA ELENA DONIA VASILISA ;
648 FITORM = ;
649 FOFD(F1) = F1 F2 F3 F4 F5 F6 F8 F9 ;
650 FOFD(F2) = F1 F2 F4 ;
651 FOFD(F3) = F1 F5 F6 ;
652 FOFD(F4) = F1 F2 F5 F8 F9 ;
653 FOFD(F5) = F1 F2 F5 F8 F9 ;
654 FOFD(F8) = F5 F8 ;
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603 FOFD(F9) = F1 F2 F9 ;
604 3 FREL(F1) = CIVENTO ;
605 3 FREL(F2) = SNOONTO ;
606 3 FREL(F3) = PREPAREDPOF ;
607 3 FREL(F4) = SOLDTO ;
608 3 FREL(F5) = FOUNDBY ;
609 3 FREL(F6) = APPEARTO ;
610 3 FREL(F7) = CONSUMEDBY ;
611 3 FREL(F8) = SEIZEDBY ;
612 3 FREL(F9) = PLACEDATDISPOF ;
613 GANFORM = ;
614 GANFORMS = F1 F2 ;
615 3 GARGO(F1) = NOGOTO ;
616 3 GARGO(F2) = GO ;
617 3 GAMLEV(F1) = MOLEAVE ;
618 3 GAMLEV(F2) = LEAVE1 ;
619 GENDER() = ;
620 GFORM = ;
621 GHELPER = ;
622 GHELPER(F2) = MOPSE SHIP ;
623 GHELPER(F3) = BULLOFTHREAD FOX ;
624 GHELPER(F4) = HEDGEOX BGGAR ;
625 GHELPER(F5) = STAIRWAY TUNNEL LEATHERSTRAPS ;
626 GMPFORMS(MAGSTEED) = F1 F2 ;
627 GMPFORMS(MAGCAPET) = F1 ;
628 GMPFORMS(MAGBEND) = F1 ;
629 GMPFORMS(FLIGHT) = F1 ;
630 GMPFORMS(SUPERSPEED) = F2 ;
631 GMPFORMS = F2 F3 F4 F5 ;
632 3 GREL(F1) = TRAVELBY ;
633 3 GREL(F2) = TRAVELON ;
634 3 GREL(F3) = LEDBY ;
635 3 GREL(F4) = DIRECTEDBY ;
636 3 GREL(F5) = ;
637 3 GREL(F6) = FOLLOW ;
638 3 GREL2(TUNNEL) = CRAWLTHROUGH ;
639 3 GREL2(STAIRWAY) = CLIMB ;
640 3 GREL2(LEATHERSTRAPS) = DESCENDBUSING ;
641 GRANS = ;
642 HERO = ;
643 HFORM = ;
644 HFORMS = F1 F2 F3 ;
645 IFORM = ;
646 3 INJUR(ARM) = BULLOFF ;
647 3 INJUR(EYE) = PLUCKOUT ;
648 3 INJUR(HEART) = CUTOFF ;
649 3 INJUR(LEG) = CUTOFF ;
650 KFORM = ;
651 KFORMS = F1 F2 F4 F5 F6 F8 ;
652 KFORM = ;
653 KFORMS(F1) = F1 F4 F10 F11 ;
654 KFORMS(F2) = F1 F4 F11 ;
655 KFORMS(F3) = F7 ;
656 KFORMS(F4) = F1 F4 F11 ;
657 KFORMS(F5) = F7 ;
658 KFORMS(F6) = F1 F4 F11 ;
659 KFORMS(F7) = F4 ;
660 KFORMS(F8) = F1 F4 F10 F11 ;
661 KFORMS(F9) = F4 ;
662 KFORMS(F10) = F4 ;
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727 KFORMS(F11) = F8 ;
728 KFORMS(F14) = F9 ;
729 KFORMS(F15) = F1 F4 F10 F11 ;
730 2 KILLMETH = ;
731 2 KILLMETS = ROASTING BERSAING DROWNING FEEDINGTORATS ;
732 2 KREL(F1) = SEILED ;
733 2 KREL(F3) = ENTICED ;
734 2 KREL(F4) = OBTAINED ;
735 2 KREL(F7) = CAUGHT ;
736 2 KREL(F8) = FREESPONSPELL ;
737 2 KREL(F9) = REVIVED ;
738 2 KREL(F10) = FREED ;
739 KSFOPMS(F1) = F3 F4 ;
740 KSFOPMS(F2) = F4 ;
741 KSFOPMS(F3) = F4 ;
742 KSFOPMS(F4) = F4 ;
743 KSFOPMS(F5) = F4 ;
744 LASTNAMS = BERENNIKOV'S PARANOV'S POPOVICH'S MOREVNAS BORISIVICH'S ;
745 LOCATIONS = CERTAININGDOM DISTANTPROVINCE ;
746 MAGANIM = MAGCOW MAGHEN MAGSTEE MAGBIRD ;
747 MAGCHANGS = MAGFLINT MAGRING ;
748 MAGFOOD = MAGPOTION MAGWATER ;
749 MAGHELPKILL = ;
750 MAGHELPLIO = ;
751 MAGHELPORIG = ;
752 MAGHELPS = ;
753 MAGHELPI = ;
754 MAGHELPI2 = ;
755 MAGHELPI3 = ;
756 MAGKILLS = MAGEWORD MAGBOW ;
757 MAGLIOS = MAGHEN MAGBOX ;
758 MAGOBSJS = MAGEGG MAGCOW MAGWORDS MAGKEY ;
759 MAGOALS = SUPSTREN SUPERSPEED FLIGHT TRANSFORMABILITY ;
760 MAGIPANS = MAGSTEE MAGCARPET MAGBIRD ;
761 MAGRESCS = MOTRANS ;
762 MALES = IVAN BOBIS BALDAK ALIOSHA NICHOLAS MARCO FOHA ERSHA ERELYA
763 VLADIMIR ;
764 MENBER = ;
765 2 MOTIVE(F1) = GOWORK GOTOPFOREST GOTRADE GOTOWAR ;
766 2 MOTIVE(F2) = HURRIBLY SUDDERLY ;
767 2 MOTIVE(F3) = GOVISIT GOFISH GOWALK GOBERRYGATHER ;
768 MORILLS = MAGEWORD MAGBOW SUPSTREN ;
769 MOTRANS = MAGSTEE MAGCARPET FLIGHT MAGBIRD SUPERSPEED ;
770 MOTESCE = MOTRANS TRANSFORMABILITY ;
771 MOALL = MOTRANS MORILLS MOTESCS MAGLIQS ;
772 MUFORM = ;
773 MUFORMS = F1 F2 ;
774 MUFORMS = F1 F15 F16 F17 F18 F19 AOBFORMS ;
775 OWNER = ;
776 PARENT(FEMALE) = MOTHER ;
777 PARENT(MALE) = FATHER ;
778 PARENTS(MALE) = ;
779 PARENTS(FEMALE) = ;
780 PARENTVILLAIN = F9 F10 F11 F13 ;
781 PEOPLE = MALES FEMALES ;
782 PFORM = ;
783 PFORMS = F1 F2 F3 F4 F5 F6 F7 ;
784 PFORMSFAMVIL = F2 F3 F6 ;
785 PLACES = WOODS FIELDS HOUSE BARW TOWN HUT ;
786 PERPROM(BABAYAGA) = BERSSELF ;
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801 2 PRELI(F1) = FLY ;
802 2 PRELI(F2) = YELL ;
803 2 PRELI(F3) = CHASE ;
804 2 PRELI(F5) = ATTEMPT ;
805 2 PRELI(F6) = ATTEMPT ;
806 3 PRELI(F1) = ATTER ;
807 3 PRELI(F2) = FOR ;
808 3 PRELI(F3) = AFTER ;
809 3 PRELI(F5) = DEVOUR ;
810 3 PRELI(F6) = KILL ;
811 PURSUDR = ;
812 QANS(YOURDEATH) = MYDEATH ;
813 QANS(YOURWISDOM) = MYWISDOM ;
814 QOJECT = ;
815 RHELP = ;
816 RIFORM = ;
817 RIFORMS(F1) = F1 F2 F4 F5 ;
818 RIFORMS(F2) = F1 F2 F4 F5 ;
819 RIFORMS(F3) = F1 F2 F4 F5 ;
820 RIFORMS(F4) = F1 ;
821 RIFORMS(F5) = F8 ;
822 RIFORMS(F6) = F9 ;
823 RIFORMS(F7) = F10 ;
824 RSHELPER(F1) = GOOSE FALCON ;
825 RSHELPER(F2) = MOUNTAIN LAKE FOREST ;
826 RSHELPER(F3) = ROCK WELL DILFER ;
827 RSHELPER(F4) = RIVER STOVE ROCK ;
828 RSHELPER(F5) = BLACKSMITHS ;
829 RSHELPER(F6) = HORSE FALCON SEED ;
830 RSHELPER(F7) = TEMPTATION ;
831 RSHELPER(F8) = EATEN ;
832 RSHELPER(F9) = KILLED ;
833 RSHELPER(F10) = OTHERTREE ;
834 2 RSRELI(F1) = FLY ;
835 2 RSRELI(F2) = BLOCK ;
836 2 RSRELI(F3) = CHANGEL ;
837 2 RSRELI(F4) = HIDE ;
838 2 RSRELI(F5) = BEHIDDEN ;
839 2 RSRELI(F6) = CHANGEL ;
840 2 RSRELI(F7) = AVOID ;
841 2 RSRELI(F8) = AVOID ;
842 2 RSRELI(F9) = AVOID ;
843 2 RSRELI(F10) = JUMP ;
844 3 RSHELZ(F1) = ON ;
845 3 RSHELZ(F2) = WITH ;
846 3 RSHELZ(F3) = INTO ;
847 3 RSHELZ(F4) = IN ;
848 3 RSHELZ(F5) = BY ;
849 3 RSHELZ(F6) = INTO ;
850 3 RSHELZ(F7) = RNULL ;
851 3 RSHELZ(F8) = IS ;
852 3 RSHELZ(F9) = IS ;
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859 3 RSREL2(F10) = TO ;
860 SAFORM = ;
861 SAFORMS = F1 F2 F3 F4 F5 ;
862 SAOBJ(F1) = ;
863 SAOBJ(F2) = MAGHEN MAGCOW MAGBOX ;
864 SAOBJ(F3) = FIREBIRD GOLDDUCK ;
865 SAOBJ(F4) = EGGOFDEATH ;
866 SAOBJ(F5) = HEALTH ;
867 SEEKER = ;
868 SEX = ;
869 SEXES = MALE FEMALE ;
870 SLOC = ;
871 SUBJECT = ;
872 STORYLOC = ;
873 THELF = F3 F5 ;
874 THETAFMS = F1 F2 ;
875 THETAFORM = ;
876 TRICK = ;
877 TRICKS(F1) = MAGRING STEAMBATH SWIN ;
878 TRICKS(F2) = SLEEPINGPOTION MAGICPIN ;
879 VICTIM = ;
880 VILLAIN = ;
881 VILMOTINFAPFORMS = F1 F2 F3 F4 F5 F6 F12 F15 F16 F18 F19 ;
882 VILPOSES = YOURDEATH YOURWISDOM ;
883 VILBOUGHT = F3 F5 F13 F16 F17 F18 F19 ;
884 VLOC = ;
885 VOBJECT = ;
886 VOBTMP(F2) = MAGOBSJS MAGANIM ;
887 VOBTMP(F3) = CROPS ;
888 VOBTMP(F4) = DAYLIGHT ;
889 VOBTMP(F5) = CATTLE ANIMALS SHEEP ;
890 VOBTMP(F6) = HEART ARM LEG EYE ;
891 VPOSLOC = MAGEGG ;
892 CHARACTERS = PEOPLE ;
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594 NETWORK
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*LXTRP (TAKE AWAY) TO TAKEAWAY;
*LXTRP (FEED TO RATS) TO FEEDINGTORATS;
*LXTRP (OFFERED TO) TO OFFERETO;
*LXTRP (INTO LEAVE) TO INTOLEAVE;
*LXTRP (GIVEN TO) TO GIVENO;
*LXTRP (SHOWN TO) TO SHOWTO;
*LXTRP (PREPARE FOR) TO PREPAREFOR;
*LXTRP (SOLD TO) TO SOLDTO;
*LXTRP (FOUND BY) TO FOUNDBY;
*LXTRP (CONSUME BY) TO CONSUMEDBY;
*LXTRP (SEIZED BY) TO SEIZEDBY;
*LXTRP (PLACED AT DISPOSAL) TO PLACEDATDISPOS;
*LXTRP (DISPOSAL OF) TO DISPOSOF;
*LXTRP (APPEAR TO) TO APPEARO;
*LXTRP (ABILITY TO FLY) TO FLIGHT;
*LXTRP (TRAVEL BY) TO TRAVELBY;
*LXTRP (TRAVEL ON) TO TRAVELON;
*LXTRP (LED BY) TO LEDBY;
*LXTRP (DIRECT BY) TO DIRECTEDBY;
*LXTRP (CRAWL THROUGH) TO CRAWLTHROUGH;
*LXTRP (DESCEND BY USING) TO DESCENDBYUSING;
*LXTRP (IS HIDDEN) TO BEHIDDEN;
*LXTRP (LADY OLD) TO OLDLADY;

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*LXTRP (MAN YOUNG) TO YOUNGMAN;
*LXTRP (DEATH MY) TO MYELATH;
*LXTRP (WISDOM MY) TO MYWISDOM;
*LXTRP (WISDOM YOUR) TO YOURWISDOM;
*LXTRP (DEATH YOUR) TO YOURDEATH;
*LXTRP (FALL ASLEEP) TO FALLASLEEP;
*LXTRP (CASE ENULL DISPOF) TO CAUSEDISPOF;
*LXTRP (DISAPPEARANCE OF) TO DISPOF;
*LXTRP (CAST SPELL) TO CASTSPELLON;
*LXTRP (SPELL ON) TO SPELLON;
*LXTRP (ORDER ENULL MURDEROF) TO ORDERMURDEROF;
*LXTRP (MURDER OF) TO MURDEROF;
*LXTRP (THE EATEN MARRY) TO THEEATMARRY;
*LXTRP (THE EATEN EAT) TO THEEATEAT;
*LXTRP (DECLARE ENULL WARON) TO DECLAREWARON;
*LXTRP (WAK ON) TO WARON;
*LXTRP (PULL OFF) TO PULLOFF;
*LXTRP (BLICK OUT) TO BLICKOUT;
*LXTRP (CUT OFF) TO CUTOFF;
*LXTRP (CUT CUT) TO CUTOFF;
*LXTRP (CALL FISH) TO CALLFISH;
*LXTRP (TRACK BLOODY) TO BLOODYTRACKS;
*LXTRP (GO VISIT) TO GOVISIT;
*LXTRP (GO WALK) TO GOWALK;
*LXTRP (GO FISH) TO GOFISH;
*LXTRP (GO BERRYGATHER) TO GOBERRYGATHER;
*LXTRP (DONOT GO TO) TO NOGOOTO;
*LXTRP (DONOT LEAVE) TO NOLEAVE;
*LXTRP (WHERE IS) TO WHEREIS;
*LXTRP (FLAT INTO) TO FLATINTO;
*LXTRP (APPEAR IN) TO APPEARIN;
*LXTRP (SNEAK INTO) TO SNEAKINTO;
*LXTRP (WALK INTO) TO WALKINTO;
*LXTRP (WHO CAN) TO WHOCAN;
*LXTRP (TREE OTHER) TO OTHERTREE;
*LXTRP (BALL OF THREAD) TO BALLGTHREAD;
*LXTRP (KINGDOM CERTAIN) TO CERTAINKINGDOM;
*LXTRP (PROVINCE DISTANT) TO DISTANTPROVINCE;
*LXTRP (WIVES POS DRAGON) TO DRAGONWIFE;
*LXTRP (DAUGHTER POS BABAYAGA) TO BABADAUGH;
*LXTRP (FATHER POS BEAR) TO BEARSFATHER;
*LXTRP (LIVE IN) TO LIVEIN;
*LXTRP (GO WORK) TO GOWORK;
*LXTRP (GO TO) TO GOTO;
*LXTRP (GO TRADE) TO GOTRADE;
*LXTRP (GO TO WAR) TO GOTOWAR;
*LXTRP (GO TO FOREST) TO GOTOFOREST;
*LXTRP (LADY SHEET) TO SHEETLADY;
*LXTRP (OLD SHEET) TO SHEETOLD;
*LXTRP (FIGHTING WITH) TO FIGHTINGWITH;
*LXTRP (FREED FROM SPELL) TO FREEDFROMSPELL;

THE FOLK TALES GENERATED BY THIS PROGRAM FOLLOW THE STRUCTURE DESCRIBED BY VLADIMIR PROPP IN HIS MORPHOLOGY OF THE FOLKTALE. FORM NAMES AND PAGE NUMBERS REFER TO PROPP, SECOND EDITION.
WRITTEN BY S. DAVID KALISH AND MATTHEW APPELBAUM, SEPT. 1974.
REVISED BY MATTHEW APPELBAUM, MAY 1975.

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START THE SIMULATION BY SCHEDULING THE TWO SECTIONS OF THE MAIN PROGRAM AND INITIALIZING THE GENDER-CLASS OF THE CHARACTERS.
\$GROUP BEGIN : 18M/ON;
\$RULE : *DISABLE BEGIN;
*ENABLE TAIL IN 10;
*ENABLE MASTER;
\$LOOP : P.PEOPLE;
\$RULE : T(\$NEXT P)
10.-10 : *MOVE MALE TO GENDER(P);
(P EQL MALES);
*MOVE FEMALE TO GENDER(P);
\$ENDLOOP;
\$ENDGROUP;
MASTER GROUP. THE DRAMATIS PERSONAE ARE PICKED. INITIALIZATION IS PERFORMED FOR EACH FUNCTION (THAT IS CHOSEN TO OCCUR) BEFORE IT IS ENTERED. ALL QUANTIFICATIONS ARE CHOSEN IN THIS GROUP, WITH SPECIFIC OUTPUT BEING PRODUCED IN THE CALLED GROUPS REPRESENTING PROPP'S FUNCTIONS. THE MASTER GROUP IS SPLIT INTO TWO SECTIONS.
\$GROUP MASTER : 18M/OFF;
\$RULE : *DISABLE MASTER;
THE INITIAL SITUATION -- FUNCTION ALPHA (P. 25-26).
PICK FORM OF SEED FUNCTION: A (VILLAINY) OR SMALL A (LACK). THIS FORM WILL DETERMINE MUCH OF THE REST OF THE TALE. IF THE TALE BEGINS WITH A LACK, THEN THE PREPARATORY PART (FIRST SEVEN FUNCTIONS) IS SKIPPED, AND THE FEW DRAMATIS PERSONAE NEEDED ARE PICKED DIRECTLY IN FUNCTION SMALL A.
\$RULE : *MOVE PICK(AFORMS) TO AFORM;
1.-8 :
\$RULE : *MOVE PICK(LOCATIONS) TO STORYLOC;
*MOVE PICK(LASTNAMS) TO PAMNAN,
*MOVE PICK(PLACES) TO VLOC;
PICK THE HERO, VILLAIN, VICTIM, AND OWNER. THE HERO OR THE VICTIM, OR BOTH, MUST BE IN THE FAMILY.
\$RULE : *MOVE PICK(CCHARACTERS) TO HERO,
*REMOVE HERO FROM CHARACTERS;
T(\$SMALLA);
18.-18 : NUM(AFORM) EQ 0;

\$RULE : F(OUTVILL)
*MOVE HERO TO FAMILY;
1.-65 ;
THE VILLAIN MAY BE IN THE FAMILY ONLY FOR SOME FORMS OF VILLAINY. ALSO, A VILLAIN IN THE FAMILY MUST SOMETIMES BE A PARENT.
\$RULE : F(OUTVILL)
*MOVE PICK(CCHARACTERS) TO VILLAIN;
*REMOVE VILLAIN FROM CHARACTERS;
*ADD VILLAIN TO FAMILY;
-10.,3 : (AFORM EQL VILLAINY.#FORMS);
\$LOOP : X.GENDER(VILLAIN);
\$RULE : (VILPICKED)
*MOVE VILLAIN TO PARENTS(X);
10.-10 : (AFORM EQL PARENTVILLAIN);
\$ENDLOOP;
THE VILLAIN IS NOT IN THE FAMILY, BUT PICKED FROM A CLASS OF POSSIBLE VILLAINS.
\$RULE OUTVILL : *MOVE PICK(POSVILLS) TO VILLAIN;
THE VICTIM CAN BE IN THE FAMILY, THE HERO CAN BE THE VICTIM IF HE IS IN THE FAMILY, OR THE VICTIM MAY BE FROM OUTSIDE THE FAMILY.
BASED ON THE HERO, VILLAIN, AND FORM OF VILLAINY, THE VICTIM IS CHOSEN TO BE OUTSIDE THE FAMILY.
\$RULE VILPICKED T(VICPICKED)
*MOVE PICK(CCHARACTERS) TO VICTIM,
*REMOVE VICTIM FROM CHARACTERS,
*MOVE HERO TO SEEKER;
(VILLAIN EQL FAMILY);
-10.0 : (HERO EQL FAMILY) AND (AFORM EQL NVHFORMS);
-2.0 : (HERO EQL FAMILY);
0.-10 : (HERO EQL FAMILY);
1.-5 ;
THERE CAN BE A VICTIM-HERO FOR SOME FORMS OF VILLAINY.
\$RULE : T(VICPICKED)
*MOVE HERO TO VICTIM;
(HERO EQL FAMILY);
-10.0 : (AFORM EQL NVHFORMS);
1.-55 ;
THE VICTIM IS IN THE FAMILY IF NEITHER OF THE ABOVE CASES OCCURS.
\$RULE : *MOVE PICK(CCHARACTERS) TO VICTIM,
*REMOVE VICTIM FROM CHARACTERS,
*ADD VICTIM TO FAMILY,
*MOVE HERO TO SEEKER;
THE VICTIM IS THE OBJECT OF THE VILLAINY UNLESS THE FORM OF VILLAINY REQUIRES AN OWNED OBJECT TO BE THE OBJECT OF THE VILLAINY, IN WHICH CASE THE VICTIM IS THE OWNER.
\$RULE VICPICKED *MOVE VICTIM TO VOBJECT;
\$RULE : T(OWNERPICKED)
*MOVE PICK(VOBTRP(AFORN)) TO VOBJECT;

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10.-10 : *MOVE VICTIM TO OWNER;
(AFORM EQL AOBFORMS);

IF A PERSON IS THE OBJECT OF THE VILLAINY, ANOTHER PERSON IS PICKED TO BE THE "OWNER." THE OWNER IS FROM THE FAMILY IF THE VICTIM IS, AND MAY BE A PARENT.

11E : *MOVE PICK(CHARACTERS) TO OWNER;
*REMOVE OWNER FROM CHARACTERS;
12E : *ADD OWNER TO FAMILY;
(VICTIM EQL FAMILY);
13.-18 : *X.GENDER(OWNER);
*X.P.OWNERPICKED : X.GENDER(OWNER);
14E : *MOVE OWNER TO PARENTS(X);
15.-18 : *OWNER EQL FAMILY);
16.-18 : *(VICTIM EQL OWNER);
17.-18 : *NUM(PARENTS(X)) EQ 0;
18LOOP ;

GROUP PICKPARENTS IS CALLED TO POSSIBLY PICK (AM) ADDITIONAL PARENT(S) FOR THE FAMILY. GROUP ALPHA IS CALLED TO DESCRIBE THE INITIAL SITUATION.

11E : *CALL PICKPARENTS;
*CALL ALPHA;

INTERDICTION SEQUENCE -- FUNCTIONS BETA, GAMMA, AND DELTA (I, II, III, P. 26-27). THIS SEQUENCE CAN BE PERFORMED ONLY IF THE HERO AND VICTIM ARE IN THE FAMILY.

11E : F(VARIV);
12.-18 : (HERO EQL FAMILY) AND (VICTIM EQL FAMILY);
13.-15 : (HERO EQL VICTIM);

PICK INTERDICTION-ABSENTOR FROM THE FAMILY.

11E : X.FAMILY;
12E : T(BETPIC);
13.-18 : *MOVE X TO ABSENTOR;
(X EQL HERO) OR (X EQL VICTIM) OR (X EQL VILLAIN);
18LOOP ;

PICK FORM OF FUNCTION BETA DEPENDANT UPON COMPOSITION OF FAMILY.

11E BETPIC :
T(INTERPIC);
*MOVE F1 TO BETAFORM;
(ABSENTOR EQL PARENTS(SEXES));
12E : T(INTERPIC);
*MOVE F2 TO BETAFORM;
*MOVE ABSENTOR TO DEAD;
(ABSENTOR EQL PARENTS(SEXES));
13E : F(RECON);
*MOVE F3 TO BETAFORM;
14.-18 : *NUM(ABSENTOR) EQ 1;

RANDOMLY PICK FORM OF FUNCTION GAMMA, CONSTRUCT THE INTERDICTION, AND ASSIGN IT TO A PREDICATE NODE. ASSUME AN APPROPRIATE FORM OF THE PAIRED ELEMENT, DELTA.

15 : *CALL THETA;

VILLAINY -- FUNCTION A (VIII, P. 38-35). THE VILLAINY IS DESCRIBED BY CALLING GROUP A. CONCOMITANT FORMS OF VILLAINY MAY BE CONSTRUCTED BY AGAIN CALLING A, IN THE PROPER CIRCUMSTANCES. THE SOUGHT AFTER OBJECT IS DETERMINED BY THE FORM OF VILLAINY (AND IN ONE CASE BY THE RESPONSE TO THE VILLAINY) AND IS EITHER THE OBJECT OF THE VILLAINY OR THE VILLAIN.

THE OWNER COULD BE MURDERED, THEN THE VICTIM ABDUCTED (A14-A1).

11E CA : *MOVE OWNER TO VOBJECT;
15.-18 : (AFORM EQL F14) AND (OWNER NEQ DEAD);

GROUP A IS CALLED TO DESCRIBE THE (POSSIBLY INITIAL) VILLAINY. THE SOUGHT AFTER OBJECT IS DETERMINED.

11E : *CALL A;
12E,C : T(CONCOM);
*MOVE VOBJECT TO SUBJECT;
13.-18 : (AFORM EQL VILSOUGHT) OR (OWNER REFUSE);
14E : *MOVE VILLAIN TO SUBJECT;

A MAGICAL AGENT COULD BE SEIZED, THEN ITS OWNER MURDERED (A2-A14).

11E CONCOM :
T(DISPATCH);
*MOVE F14 TO AFORM;
*MOVE OWNER TO VOBJECT;
*ADD OWNER TO DEAD;
*CALL A;
*MOVE SUBJECT TO VOBJECT;
*MOVE F2 TO AFORM;

13.-18 : (F2 EQL AFORM);
15.-18 : (OWNER EQL DEAD);

11E : T(DISPATCH);
*MOVE F1 TO AFORM;
*MOVE VICTIM TO VOBJECT;
*ADD OWNER TO DEAD;
*CALL A;
*MOVE VOBJECT TO SUBJECT;
13.-18 : (AFORM EQL F14) AND (OWNER EQL VOBJECT);

AN INJURY OR SPELL COULD BE FOLLOWED BY A REPLACEMENT (A6-A12 OR A11-A12). GROUP REPLICK IS CALLED TO DETERMINE THE REPLACEMENT.

11E : T(DISPATCH);
*MOVE AFORM TO AFORMTHP;
*CALL REPLICK;
*MOVE F12 TO AFORM;
*CALL A;
*MOVE AFORMTHP TO AFORM;
13.-18 : (AFORM EQL F6) OR (AFORM EQL F11);

A SPELL, IF NOT INVOLVED ABOVE, WILL BE FOLLOWED BY AN EXPELLING (A11-A9).

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*MOVE PICK(GAMFORMS) TO GAMFORM;
T(GAMCALL);
*DISCADD (HERO GAMGO(GAMFORM) VLOC) TO INTERDICT;
*MOVE GTOC TO DELTABEL;
(HERO EQL VICTIM);
18.-18 : *DISCADD (HERO GAMLEV(GAMFORM) VLOC) TO INTERDICT;
*MOVE LEAVEI TO DELTABEL;

CALL ROUTINES FOR FUNCTIONS GAMMA, BETA, AND DELTA.

*CALL GAMMA;
*CALL BETA;
*CALL DELTA;

INTRODUCE THE VILLAIN, IF NECESSARY (P. 27).

*CALL VILLARIV ;
18.-18 : NOT (VILLAIN EQL FAMILY);

RECONNAISSANCE SEQUENCE -- FUNCTIONS EPSILON AND PSI (IV, V, P. 28-29). THE FORM OF EPSILON IS RANDOMLY PICKED, NECESSARY ROLES ARE FILLED, AND GROUPS DESCRIBING EPSILON AND ITS PAIRED ELEMENT, PSI, ARE CALLED.

T(TRICKERY);
1.5 ;
*MOVE PICK(EPSFORMS) TO EPSFORM;
(VILLAIN EQL FAMILY) ; *MOVE F1 TO EPSFORM;
T(EPS);
18.-18 : (EPSFORM EQL F2);
T(EPSCALL);
*MOVE OWNER TO EPSOBJECT;
(VOBJECT EQL BODYPARTS);
T(EPSCALL);
*MOVE VOBJECT TO EPSOBJECT;
*MOVE PICK(VILPOSES) TO OBJECT;
*MOVE PICK(VILSLOC) TO SLOC;
(F2 EQL EPSFORM);
(CA)
*CALL EPSILON;
*CALL PSI;

TRICKERY SEQUENCE -- FUNCTIONS NU AND THETA (VI, VII, P. 29-30). THE FORM OF NU IS RANDOMLY PICKED, AND GROUPS TO DESCRIBE IT AND ITS PAIRED ELEMENT, THETA, ARE CALLED. A DISGUISE IS CHOSEN FOR THE VILLAIN.

*MOVE PICK(NUFORMS) TO NUFORM;
*MOVE PICK(TRICKS(NUFORM)) TO TRICK;
*MOVE NUFORM TO THETAFORM;
*CALL VILDISC;
*CALL NU;

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(DISPATCH);
*MOVE F9 TO AFORM;
*CALL A;
*MOVE F11 TO AFORM;
(AFORM EQL F11);

LACK -- FUNCTION SMALL A (VIII, P. 35-36). IF THERE IS NO VILLAINY, A LACK IS RANDOMLY CHOSEN, ALONG WITH A SEEKER-HERO FROM THE FAMILY (WHO MAY BE A PARENT) AND A SOUGHT AFTER OBJECT (WHICH DEPENDS ON THE TYPE OF LACK). GROUP SA DESCRIBES THE LACK.

*MOVE PICK(SAFORMS) TO SAFORM;
*MOVE HERO TO SEEKER;
*MOVE HERO TO FAMILY;
X.GENDER(HERO);
*MOVE HERO TO PARENTS(X);
(F1 EQL SAFORM);
SENDLOOP;
*CALL PICKPARENTS;
(F1 EQL SAFORM);
T(PICKSOBJ);
18.-18 : (F1 EQL SAFORM);
T(PICKSOBJ);
*MOVE BRIDE TO SAOBJ(F1);
(HERO EQL MALES);
*MOVE HUSBAND TO SAOBJ(F1);
*MOVE PICK(SAOBJ(SAFORM)) TO SUBJECT;
*CALL SA;

DISPATCH -- FUNCTION B (IX, P.36-38). THE FORM OF B THAT IS CHOSEN DEPENDS ON WHETHER THE TALK HAS A VICTIM-HERO OR A SEEKER-HERO. GROUP B IS CALLED TO DESCRIBE THE FUNCTION.

T(PIVICTN);
18.-18 : (HERO EQL SEEKER);

THERE IS A SEEKER-HERO. BASED ON THE HERO, OWNER, AND THE VILLAIN OR LACK, A FORM OF B IS PICKED. IF NECESSARY, EITHER THE OWNER IS THE DISPATCHER, OR A DISPATCHER IS PICKED FROM THE FAMILY.

FUNCTION B WILL BE SKIPPED UNDER CERTAIN CIRCUMSTANCES.

T(FUNCTC);
1.5 ;
(HERO EQL FAMILY) AND (VICTIM EQL FAMILY)
AND NUM(AFORMTHP) EQ 0 OR NUM(SAFORM) EQ 1;
NUM(SAFORM) EQ 1 AND NUM(FAMILY) EQ 1;

IF NO FAMILY MEMBER IS AVAILABLE AS A DISPATCHER, AND ONE WILL BE NEEDED, A VILLAGER IS USED.

T(CALLB);
*MOVE F4 TO BFORM;
*MOVE VILLAGER2 TO DISPATCHER;

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NUM(SAFORM) EQ 1;
(OWNER EQL DEAD) AND ((OWNER EQL PARENTS(SEXES)) AND
(NUMPARENTS(SEXES)) EQ 1 OR
(VILLAIN EQL PARENTS(SEXES)))
OR NUMPARENTS(SEXES) EQ 0);
-18,-15 : (HERO EQL FAMILY) AND (VICTIM EQL FAMILY);
THE FORM OF B IS OTHERWISE RANDOMLY PICKED, DEPENDING ON WHETHER
THERE WAS A VILLAINY OR A LACK.
SRULE BPICK : T(BPICKED)
*MOVE PICK(BFORMS) TO BFORM;
NUM(AFORM) EQ 1;
SRULE : *MOVE PICK(BFORMSLACK) TO BFORM;
FORM B3 IS INVALID IN SOME CASES AND A NEW PICK IS MADE.
SWITCH BPICKED : T(BPICK);
18,-10 : (BFORM EQL F3) AND ((HERO EQL PARENTS(SEXES)) OR
NOT (HERO EQL FAMILY));
SWITCH : T(CALLB);
18,-10 : (BFORM EQL F3);
IF NEEDED, THE DISPATCHER IS EITHER THE OWNER OR AN APPROPRIATE
PARENT.
SRULE : T(CALLB)
*MOVE OWNER TO DISPATCHER;
NUM(OWNER) EQ 1 AND NOT (OWNER EQL DEAD);
SLOOP : X.PARENTS(SEXES);
SRULE : T(CALLB)
*MOVE X TO DISPATCHER;
(X EQL DEAD) OR (X EQL VILLAIN) OR (X EQL HERO);
SENLOOP;
SRULE CALLB : (FUNCTC)
*CALL B;
THERE IS A VICTIM-HERO. THE FORM OF B DEPENDS UPON THE FORM OF A.
SRULE VICTM : T(SENDRGROUP)
*MOVE F5 TO BFORM,
*CALL B;
18,-10 : (AFORM EQL F8) OR (AFORM EQL F9) OR (AFORM EQL F10);
SRULE : T(FORMARM)
*MOVE F7 TO BFORM,
*CALL B;
18,-10 : (AFORM EQL F14);
SRULE : (FORMARM)
*MOVE F6 TO BFORM,
*CALL B;
18,-10 : (AFORM EQL F13);
BEGINNING COUNTERACTION -- FUNCTION C (X, P. 38).
IF APPROPRIATE, ACCORDING TO THE FORM OF B, GROUP C IS CALLED.
THE SOUGHT AFTER OBJECT IS SEARCHED FOR EXCEPT IN ONE CASE, WHERE
"HELP" IS NEEDED.
SWITCH FUNCTC : T(FORMARM);

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(F2 EQL BFORM);
-18,-9 : NUM(SAFORM) EQ #1;
SRULE : T(CALLC)
*MOVE HELP TO COBJ;
(SOJECT EQL VILLAIN) AND (VILLAIN EQL FAMILY);
*MOVE SUBJECT TO COBJ;
*CALL C;
DEPARTURE -- FUNCTION DP-ARROW (XI, P. 39).
SRULE FORMARM : *CALL DEPART;
18,-8 : (VICTIM EQL HERO) OR NUM(COBI) EQ #1;
SENDRGROUP;
THE FIRST SECTION OF THE MASTER GROUP ENDS WITH THE DEPARTURE OF
THE HERO. THE REST OF THE TALE TAKES PLACE A DAY LATER.
SGROUP TAIL : IEM/OFF;
SRULE : *DISABLE TAIL;
DONOR SEQUENCE -- FUNCTIONS D, E, AND F (XII, XIII, XIV, P. 39-50).
THIS SEQUENCE IS RELATIVELY INDEPENDENT OF THE REST OF THE TALE.
BASICALLY, ANY FORM OF FUNCTION D CAN OCCUR, FOLLOWED BY ITS
PAIRED ELEMENT, FUNCTION E. FUNCTION F THEN DEPENDS UPON FUNCTION
D ACCORDING TO THE CONNECTIONS SHOWN IN THE CHART ON P. 47. WE
ASSUME, HOWEVER, THAT FOR THE SAKE OF CONTINUITY, THE MAGICAL
AGENT(S) ACQUIRED BY THE HERO WILL PROBABLY BE USED, IF POSSIBLE.
THEREFORE, WE GIVE THE HERO WHAT HE WILL OR MIGHT NEED, AND WE
USUALLY HAVE THE HERO USE THE MAGICAL AGENT(S) HE HAS ACQUIRED. THE
HERO RANDOMLY GETS EITHER ONE OR THREE MAGICAL AGENTS, IN MOST CASES.
SWITCH : T(LTHREE);
3,-4 : NUM(SAFORM) EQ 1;
-18,-8 : (VICTIM EQL HERO);
THE HERO GETS ONLY ONE MAGICAL AGENT.
A VICTIM-HERO GETS A MAGICAL TRANSPORTATION AGENT.
SRULE : T(SWUAL)
*MOVE PICK(MOTRANS) TO MAGHELPS;
18,-10 : (VICTIM EQL HERO);
OTHERWISE, THE HERO CAN USUALLY GET ANY MAGICAL AGENT. FOR EXAMPLE,
FOR A LACK, A LIQUIDATION AGENT OR THE SOUGHT AFTER OBJECT ITSELF
MAY BE GIVEN, WHILE A KILLING AGENT WON'T BE GIVEN.
SWITCH : T(LPICK1);
18,-10 : NUM(SAFORM) EQ #1;
SRULE : T(SETORIG)
*MOVE PICK(MAGLIOS) TO MAGHELPS;
(SAFORM EQL F2);
4,-75 : T(SETONIG)
SRULE : *MOVE SUBJECT TO MAGHELPS;

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(SAFORM EQL F2);
SRULE LPICK1 : *MOVE PICK(MGALL) TO MAGHELPS;
SWITCH : T(LPICK1);
18,-8 : (VILLAIN EQL SUBJECT) OR (VICTIM EQL HERO)
AND (MAGHELPS EQL MAGLIOS);
18,-10 : NUM(SAFORM) EQ 1 AND (MAGHELPS EQL MOKILLS)
OR (MAGHELPS EQL TRANSFORMABILITY);
SWITCH SHQUAL : T(LQUAL);
18,-10 : (MAGHELPS EQL MAGQUALS);
THE MAGICAL AGENT MAY COME FROM ANOTHER MAGICAL AGENT.
SRULE : T(DPICK) P(SETORIG)
*MOVE PICK(MAGCHANGS) TO MAGHELPORIG;
4;
A MAGICAL QUALITY COMES FROM A FOOD WHICH IS CONSUMED.
SRULE LQUAL : (FORMD)
*MOVE PICK(MAGFOOD) TO MAGHELPORIG,
*MOVE F1 TO DFORM,
*MOVE F7 TO FFORM;
IF THE SINGLE AGENT DOESN'T COME FROM ANOTHER AGENT THEN IT IS
THE ORIGINAL AGENT.
SRULE SETORIG : (DPICK)
*MOVE MAGHELPS TO MAGHELPORIG;
THE HERO WILL RECEIVE THREE MAGICAL AGENTS, OF TYPES KILLING AND
TRANSPORTATION, AND EITHER LIQUIDATION OR RESCUE, DEPENDING ON
POSSIBLE LATER USE. FOR A LACK, A RESCUE AGENT REPLACES A
KILLING AGENT.
SRULE LTHREE : *MOVE PICK(MAGKILLS) TO MAGHELPI,
*MOVE MAGHELPI TO MAGHELPS1,
NUM(SAFORM) EQ 0;
18,-10 : *MOVE PICK(MAGTRANS) TO MAGHELPI2,
*ADD MAGHELPI2 TO MAGHELPS,
*REMOVE MAGHELPI2 FROM MAGRESCS;
SRULE : T(DCHNG)
*MOVE PICK(MAGRESCS) TO MAGHELPI3,
*ADD MAGHELPI3 TO MAGHELPS;
18,-63 : (VILLAIN EQL SUBJECT);
-18,-63 : NUM(SAFORM) EQ 1;
SRULE : *MOVE PICK(MAGLIOS) TO MAGHELPI3,
*ADD MAGHELPI3 TO MAGHELPS;
*MOVE PICK(MAGRESCS) TO MAGHELPI1,
*ADD MAGHELPI1 TO MAGHELPS;
18,-10 : NUM(SAFORM) EQ 1;
ANOTHER AGENT MAY CHANGE INTO THE THREE TO BE ACQUIRED.
SRULE DCHNG : *MOVE PICK(MAGCHANGS) TO MAGHELPORIG;
5;
THE FORM OF D IS RANDOMLY PICKED IN MOST CASES.
SRULE DPICK : *REMOVE F18 FROM DFORMS;
2,-10 : (M.MAGHELPS EQL MOKILLS) : *MOVE M TO MAGHELPKILL;

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(MAGHELPORIG EQL MAGCHANGS);
SRULE : T(FORMD)
*MOVE PICK(DFORMS) TO DFORM;
A DONOR IS RANDOMLY PICKED EXCEPT FOR TWO FORMS OF D.
SRULE FORMD : T(FILLCLASSES)
*MOVE PICK(DONORS) TO DONOR;
(F1 EQL DFORM) OR (F3 EQL DFORM);
-18,-10 : FOR FORMS 1 AND 3 OF D, THE DONOR IS PICKED ACCORDING TO THE FORM.
THEN, A CALL IS MADE ON THE NAME OF THE DONOR, WHICH CONSTRUCTS
AN APPROPRIATE TASK AND RESPONSE.
SRULE : (CALLED)
*MOVE PICK(DOBJ(DFORM)) TO DONOR,
*CALL DONOR;
FOR ONE FORM OF D, A METHOD OF KILLING IS RANDOMLY CHOSEN AND
SAVED FOR GROUP E.
SRULE FILLCLASSES : T(CALLED)
*MOVE PICK(KILLMETS) TO KILLMETH;
18,-10 : (DFORM EQL F8);
FOR FORM 6, A DISPUTED OBJECT IS EITHER RANDOMLY CHOSEN (NON-
MAGICAL) OR A MAGICAL AGENT WHICH IS GOING TO BE ACQUIRED BY
THE HERO (IT HAS BEEN PREVIOUSLY PICKED) IS MADE THE OBJECT OF THE
DISPUTE. THE TYPE OF OBJECT WILL DETERMINE WHICH SUBTYPES OF
FORM 6 IS USED, AND WHICH FORM OF FUNCTION F IS USED.
SWITCH : F(CALLED);
18,-10 : (DFORM EQL F6);
SRULE : T(CALLED)
*MOVE PICK(DISTYPES) TO DISTYPE,
*MOVE F1 TO FFORM;
5;
SRULE : T(SETP)
*MOVE PICK(MAGHELPS) TO DISTYPE;
18,-10 : NUM(MAGHELPORIG) EQ 0;
SRULE : *MOVE MAGHELPORIG TO DISTYPE;
SRULE SETP : *MOVE F8 TO FFORM;
GROUP D IS CALLED TO DESCRIBE FUNCTION D.
SRULE CALLD : *CALL D;
REACTION -- FUNCTION E (XIII, P. 42-43).
THIS IS A PAIRED ELEMENT WITH FUNCTION D, EXCEPT THAT, FOR SOME
FORMS, TREBLING MAY OCCUR.
SWITCH : F(CALLE);
5,-10 : (DFORM EQL DNFORMS);
THE FORM OF TREBLING DEPENDS UPON THE FORM OF D AND SOMETIMES
THE TYPE OF DONOR.
SRULE : T(CALLE)

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HERO FAIL,
*INSERT (HERO TRY) (TRY AGAIN),
*INSERT (HERO FAIL) (FAIL AGAIN),
*INSERT (HERO TRY) (TRY FOR TIME) (TIME THIRD);
(F1 EQL DFORM) AND (DONOR EQL DTRYS);
T(CALL)
*INSERT (HERO DON'T) (DONOT RESPOND),
*INSERT (DONOR ASK) (ASK AGAIN),
*INSERT (HERO RESPND) (RESPOND RUDELY),
*INSERT (DONOR ASK) (ASK FOR TIME) (TIME THIRD);
(F2 EQL DFORM);
T(CALL)
*INSERT (HERO DONOT) (DONOT RESPOND),
*INSERT (DONOR ASK) (ASK AGAIN),
HERO REFUSE,
*INSERT (DONOR ASK) (ASK FOR TIME) (TIME THIRD);
AND (DONOR EQL DRESPS);
(F3 EQL DFORM) OR (F3 EQL DFORM))
*INSERT (DONOR REPEL HERO) (REPEL TWICE),
*INSERT (THEY FIGHT) (FIGHT FOR TIME) (TIME THIRD);
T(CALL)
GROUP E IS CALLED TO DESCRIBE FUNCTION E.
SRULE CALLE : *CALL E;
RECEIPT -- FUNCTION F (XIV, P. 43-50).
THE FORM OF F DEPENDS UPON THE FORM OF D, ACCORDING TO THE CHART
IN PROPP, P. 47 (UNLESS THE FORM OF F HAS BEEN FORCED DUE TO
THE TYPE OF MAGICAL AGENT). GROUP F IS CALLED TO DESCRIBE
FUNCTION F.
SWITCH : T(TRANSEREN);
18,-10 : (F0RM EQL F18);
SRULE : *MOVE PICK(F0FD(DFORM)) TO FFORM;
18,-10 : NUM(FFORM) EQ 8;
SRULE : *CALL F;
TRANSEREN -- FUNCTION G (XV, P. 50-51).
FUNCTION G IS SKIPPED IF NECESSARY. IT MAY BE SKIPPED IF
TRANSEREN IS NOT REQUIRED FOR CONTINUITY.
SWITCH TRANSEREN : T(F0RM);
18,0 : (HERO EQL VICTIM) OR (MAGHELPS EQL SUBJECT);
SWITCH : T(F0RM);
18,-10 : (VILLAIN NEQ SUBJECT) AND (MAGHELPS EQL MAGLIOS);
18,0 : (MAGHELPS EQL M0TRANS);
IF AN APPROPRIATE MAGICAL AGENT IS AVAILABLE, IT IS USED; THE
FORM OF G THEN DEPENDS UPON THE AGENT. THE AGENT USED IS NOTED,
IN SOME CASES, TO FORCE THE USE OF DIFFERENT AGENTS LATER ON.
SRULE : F(GNONMAG)
*MOVE PICK(GFORMS(GRELPER)) TO GFORM;
18,-10 : (M.MAGHELPS EQL M0TRANS); *MOVE PICK(M) TO GHELPER,
*MOVE M TO GTRANS;

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SRULE : (CALLG)
18,-18 : *MOVE GHELPER FROM MAGHELPS;
NUM(GTRANS) GT 1;
THERE IS NO APPROPRIATE MAGICAL AGENT, SO THE FORM OF G IS RANDOMLY
PICKED, AND A HELPER IS RANDOMLY PICKED BASED UPON THE FORM OF
G. THERE IS ONE SPECIAL CASE.
SRULE GNONMAG : T(GF5)
*MOVE PICK(GNMFORMS) TO GFORM,
*MOVE PICK(GHELPER(CFORM)) TO GHELPER;
(F2 EQL F9);
18,-10 : *MOVE F6 TO GFORM,
SRULE : (CALLG) *MOVE BLOODYTRACKS TO GHELPER;
SRULE GF5 : *MOVE GREL2(GHELPER) TO GREL(F5);
18,-10 : (GFORM EQL F5);
GROUP G IS CALLED TO DESCRIBE FUNCTION G.
SRULE CALLG : *CALL G;
COMBAT SEQUENCE -- FUNCTIONS H, J, AND I (XVI, XVII, XVIII,
P. 51-53). THIS SEQUENCE IS SKIPPED IF THERE IS NO VILLAIN AND UNDER
CERTAIN OTHER CIRCUMSTANCES.
SWITCH : F(F0RM);
1,-10 : NUM(VILLAIN) EQ 1;
18,0 : (MAGHELPS EQL M0KILLS) AND (DFORM NEQ F18);
18,-5 : (VILLAIN EQL SUBJECT);
-4,0 : (AFORM EQL F3) OR (AFORM EQL F5);
EXCEPT FOR THE CASE WHERE A MAGICAL AGENT IS TO BE USED, THE FORM
OF FUNCTION H IS RANDOMLY PICKED AND A PAIRED FORM OF FUNCTION I
IS USED. FUNCTION J IS ALLOWED ONLY FOR ONE TYPE OF H.
ONE FORM OF FUNCTION I HAS NO CORRESPONDING FORM OF FUNCTION H.
SRULE : T(CALL)
*MOVE F5 TO IFORM,
*RED VILLAIN TO DEAD;
(M.MAGHELPS EQL M0KILLS) : *MOVE M TO MAGHELPRILL;
SRULE : T(CALL)
*MOVE F1 TO HFORM;
18,0 : NUM(MAGHELPRILL) EQ 1;
SRULE : *MOVE PICK(HFORMS) TO HFORM;
GROUPS H, J, AND I ARE CALLED TO DESCRIBE THEIR RESPECTIVE FUNCTIONS.
SRULE CALLH : *CALL H;
*MOVE HFORM TO IFORM;
SRULE : *CALL J;
18,-10 : (HFORM EQL F1);
SRULE CALLI : *CALL I;
LIQUIDATION -- FUNCTION K (XIX, P. 53-55).
IF AN APPROPRIATE MAGICAL AGENT EXISTS, IT IS USED.

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SRULE FORMK : T(CALLK)
*MOVE F5 TO KFORM;
18,-10 : (M.MAGHELPS EQL MAGLIOS) : *MOVE M TO MAGHELPLIO;
OTHERWISE, THE FORM OF K IS USUALLY RANDOMLY PICKED BASED UPON
THE FORM OF VILLAIN OR LACK. A DEFEATED VILLAIN REQUIRES FORM K4.
SRULE : T(CALLK)
*MOVE F4 TO KFORM;
18,-10 : (SUBJECT EQL VILLAIN) AND NUM(IF0RM) EQ 1;
SRULE : T(KFCHCK)
*MOVE PICK(KFORMS(AF0RM)) TO KFORM;
18,-10 : NUM(SAF0RM) EQ 8;
SRULE : *MOVE PICK(KSFORMS(SAF0RM)) TO KFORM;
IN ONE CASE, A FORM OF F MAY BE USED AS THE FORM OF K.
SRULE KFCHCK : (CALLK)
*MOVE PICK(KFORMS) TO KFORM;
18,-10 : (KFORM EQL F1);
GROUP K IS CALLED TO DESCRIBE FUNCTION K.
SRULE CALLK : *CALL K;
RETURN -- FUNCTION DOWN-ARROW (XX, P. 55-56).
GROUP RETURN IS CALLED TO DESCRIBE THE FUNCTION, WHICH USUALLY OCCURS
SRULE FORMRET : F($ENDGROUP)
*CALL RETURN;
18,-10 : (VILLAIN EQL SUBJECT) AND (VILLAIN EQL FAMILY);
PURSUIT -- FUNCTION PR (XII, P. 56-57).
THE FUNCTIONS PURSUIT AND RESCUE ARE SKIPPED UNDER APPROPRIATE
CIRCUMSTANCES.
SWITCH : T(CALLEND);
18,-5 : NUM(VILLAIN) EQ 0 OR (VILLAIN EQL FAMILY) AND
(VILLAIN EQL DEAD);
18,-0 : (MAGRESCS EQL MAGHELPS) AND NUM(CFORM) EQ 0
OR (TRANSFORMABILITY EQL MAGHELPS);
18,-4 : (VICTIM EQL HERO);
18,-3 : NUM(HFORM) EQ 8;
18,-2 : NUM(GTRANS) GT 1;
THE FORM OF PURSUIT IS RANDOMLY PICKED.
SRULE : *MOVE PFORMS(FAMVIL) TO PFORMS;
18,-10 : (VILLAIN EQL FAMILY);
SRULE : *MOVE PICK(PFORMS) TO PFORM;
THE PURSUER IS EITHER THE VILLAIN OR HIS FRIENDS, AS NECESSARY.
SRULE : T(CALLPR)
*MOVE PICK(POSPURSU(VILLAIN)) TO PURSUER;
18,-10 : NUM(IF0RM) EQ 1

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OR((KFORM EQL F7) OR (KFORM EQL F1)) AND
(SUBJECT EQL VILLAIN) :
SRULE : *MOVE VILLAIN TO PURSUER;
GROUP PR IS CALLED TO DESCRIBE FUNCTION PR.
SRULE CALLPR : *CALL PR;
RESCUE -- FUNCTION RS (XXII, P. 57-58).
IF THERE IS AN APPROPRIATE MAGICAL AGENT AVAILABLE, ITS PROPER
USE IS FORCED.
SWITCH : T(HELP);
18,-18 : (M.MAGHELPS EQL M0RESCS) : *MOVE PICK(M) TO RHELP;
OTHERWISE, THE FORM OF RS DEPENDS UPON THE FORM OF PR.
SRULE : (CALLRS) *MOVE PICK(RSFORMS(PFORM)) TO RSFORM;
IF A MAGICAL AGENT IS TO BE USED, THE FORM OF RS DEPENDS UPON THE
TYPE OF AGENT.
SRULE HELP : F(CHNG)
*MOVE RHELP TO RSHELPER(F1),
*MOVE F1 TO RSFORM;
18,-10 : (RHELP EQL M0TRANS);
SRULE : (CALLRS)
*MOVE USING TO RSREL2(F1);
18,-10 : (RHELP EQL MAGUALS);
SRULE CHNG : *MOVE PICK(HELP) TO RSFORM;
GROUP RS IS CALLED TO DESCRIBE FUNCTION RS.
SRULE CALLRS : *CALL RS;
GROUP END DESCRIBES THE TALE'S HAPPY ENDING.
THIS COMPLETES THE MASTER GROUP.
SRULE CALLEND : *CALL END;
$ENDGROUP;
THE SEPARATE GROUPS NOW FOLLOW. EACH FUNCTION HAS A GROUP WHICH
DESCRIBES IT. THE GROUP NAMES ARE GENERALLY THE SAME AS THE
FUNCTION DESIGNATIONS. THERE ARE SEVERAL EXTRA GROUPS WHICH PERFORM
SOME NECESSARY INTERGROUP EXPLANATIONS. ALL GROUPS ARE CALLED
FROM THE MASTER GROUP.
GROUP ALPHA -- THE INITIAL SITUATION (P. 25-26).
THE CHARACTERS ARE DESCRIBED BY PICKING THEM ONE AT A TIME AND
FINDING THE ROLE THEY ARE PLAYING.

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1915 SGROUP ALPHA : 10M/OFF;
1916 SRULE : FANNAN LIVEIN STORYLOC,
1917 *MOVE FAMILY TO FANTMP;
1918
1919 GET NEXT CHARACTER FROM THE FAMILY, AND HIS SEX.
1920
1921 SRULE NEXTMEMBER : F(FAMILYDONE)
1922 *MOVE PICK(FANTMP) TO MEMBER,
1923 *REMOVE MEMBER FROM FANTMP,
1924 *MOVE GENDER(MEMBER) TO SEX;
1925 10,-10 : NUM(FANTMP) GT 0;
1926
1927 CHARACTER IS THE HERO.
1928
1929 SRULE : T(NEXTMEMBER)
1930 *INSERT (MEMBER IS CHILD(SEX)) (CHILD(SEX) BRAVE);
1931 (MEMBER EQL HERO);
1932
1933 CHARACTER IS A NON-PARENT VICTIM.
1934
1935 SRULE : T(WHATOWNED)
1936 *INSERT (MEMBER IS CHILD(SEX)) (CHILD(SEX) UNLUCKY);
1937 (MEMBER EQL VICTIM);
1938 -10,0 : (MEMBER EQL PARENTS(SEXES));
1939
1940 CHARACTER IS A PARENT AND OWNER.
1941
1942 SRULE : F(NEXTROLE)
1943 PARENT(SEX) IS MEMBER;
1944 (MEMBER EQL OWNER) AND (OWNER EQL PARENTS(SEXES));
1945
1946 DESCRIBE WHAT OBJECT THE VICTIM-OWNER OWNS.
1947
1948 SRULE WHATOWNED : (NEXTMEMBER)
1949 MEMBER HAVE VOBJECT;
1950 (VICTIM EQL OWNER) AND NOT (VOBJECT EQL BODYPARTS);
1951
1952 CHARACTER IS A NON-PARENT OWNER.
1953
1954 SRULE NEXTROLE : T(NEXTMEMBER)
1955 *INSERT (MEMBER IS CHILD(SEX)) (CHILD(SEX) OLDEST);
1956 (MEMBER EQL OWNER);
1957
1958 CHARACTER IS A PARENT, BUT HAS NO OTHER ROLE.
1959
1960 SRULE : T(NEXTMEMBER)
1961 MEMBER IS PARENT(SEX);
1962 (MEMBER EQL PARENTS(SEXES)) AND
1963 NOT (MEMBER EQL VILLAIN);
1964
1965 CHARACTER IS A PARENT AND VILLAIN.
1966
1967 SRULE : T(NEXTMEMBER)
1968 *INSERT (MEMBER IS PARENT(SEX)) (PARENT(SEX) STEP);
1969 (MEMBER EQL PARENTS(SEXES));
1970
1971 CHARACTER IS A NON-PARENT VILLAIN.
1972
1973 SRULE : (NEXTMEMBER)
1974 *INSERT (MEMBER IS CHILD(SEX)) (CHILD(SEX) WICKED);
1975
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1981 MEMBER HATE VICTIM;
1982
1983 THE FAMILY HAS BEEN DESCRIBED, SO NOW ANY OTHER CHARACTERS WILL
1984 BE DESCRIBED: THE HERO, AND THE VICTIM AND THE OBJECT HE OWNS,
1985 OR THE VICTIM AND HIS PARENT.
1986
1987 SRULE FAMILYDONE : T(SENDGROUP)
1988 *INSERT (HERO LIVEIN LAND) (LIVEIN ALSO) (LAND SAME);
1989 *INSERT (HERO OF BIRTH) (BIRTH MIRACULOUS);
1990 (HERO EQL FAMILY);
1991
1992 SWITCH : T(SENDGROUP);
1993 10,-10 : (VICTIM EQL FAMILY);
1994
1995 SRULE : T(SENDGROUP)
1996 *INSERT (OWNER LIVEIN LAND) (LIVEIN ALSO) (LAND SAME)
1997 *INSERT (VICTIM IS CHILD(GENDER(VICTIM)))
1998 (CHILD(GENDER(VICTIM)) POS OWNER);
1999
2000 -10,10 : (AFORM EQL AOBFORMS);
2001 SRULE : T(SENDGROUP)
2002 *INSERT (OWNER LIVEIN LAND) (LAND SAME) (LIVEIN ALSO)
2003 (OWNER WHOOWN VOBJECT);
2004
2005 -10,10 : (VOBJECT EQL BODYPARTS);
2006 SRULE : *INSERT (OWNER LIVEIN LAND) (LAND SAME) (LIVEIN ALSO)
2007
2008
2009 GROUP REPLPICK. THIS GROUP IS USED TO PICK (EXTRA) PARENTS FOR
2010 THE FAMILY.
2011
2012 SGROUP PICKPARENTS : 10M/OFF;
2013 SRULE NEXTTRY : *MOVE PICK(CCHARACTERS) TO CHARTMP;
2014 X.GENDER(CHARTMP);
2015 SRULE : *REMOVE CHARTMP FROM CHARACTERS,
2016 *MOVE CHARTMP TO PARENTS(X),
2017 *ADD CHARTMP TO FAMILY;
2018 NUM(PARENTS(X)) EQ 0;
2019
2020 -10,-10 :
2021 SENDLOOP ;
2022 SWITCH : T(NEXTTRY);
2023 -10,6 : NUM(PARENTS(SEXES)) EQ 2;
2024 SENDGROUP;
2025
2026 GROUP BETA -- ABSENTATION (I, P. 26).
2027 ONE GENERAL RULE IS USED FOR THE THREE POSSIBLE FORMS. A MOTIVE
2028 FOR LEAVING IS RANDOMLY PICKED.
2029
2030 SGROUP BETA : 10M/OFF;
2031 SRULE : *INSERT (ABSENTOR RETAREL(BETAFORM))
2032 (BETAREL(BETAFORM) PICK(MOTIVE(BETAFORM)));
2033 SENDGROUP;
2034
2035 GROUP GAMMA -- INTERDICTION (II, P. 24).
2036 THE INTERDICTION HAS BEEN PREVIOUSLY CONSTRUCTED IN THE MASTER C
2037
2038 SGROUP GAMMA : 10M/OFF;
2039 SRULE : *INSERT (ABSENTOR RAND.VICTIM) (ABSENTOR RAND HERO)
2040 (VICTIM IS VLOC);
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2047 -10,10 : (HERO EQL VICTIM);
2048 SRULE : ABSENTOR SAYZ INTERDICT;
2049 SENDGROUP;
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2051
2052 GROUP DELTA -- VIOLATION (III, P. 27).
2053
2054
2055 SGROUP DELTA : 10M/OFF;
2056 SRULE : HERO DELTAREL VLOC;
2057 SENDGROUP;
2058
2059
2060 GROUP VILLARIV -- ARRIVAL OF THE VILLAIN (P. 27).
2061 THE FORM OF ARRIVAL IS RANDOMLY PICKED.
2062
2063
2064 SGROUP VILLARIV : 10M/OFF;
2065 SRULE : VILLAIN PICK(ARRIVALS) STORYLOC;
2066 SENDGROUP;
2067
2068
2069 GROUP EPSILON -- RECONNAISSANCE (IV, P. 28).
2070 THE TWO FORMS REQUIRE SEPARATE RULES.
2071
2072
2073 SGROUP EPSILON : 10M/OFF;
2074 SRULE : T(SENDGROUP)
2075 *INSERT (VILLAIN ASK1 VILLAGER) (ASK1 WHEREIS EPSOBJECT);
2076 (F1 EQL EPSFORM);
2077 SRULE : *INSERT (VICTIM ASK1 VILLAIN) (ASK1 WHEREIS OOBJECT);
2078 SENDGROUP;
2079
2080
2081 GROUP PSI -- DELIVERY (V, P. 28).
2082 THE TWO FORMS REQUIRE SEPARATE RULES.
2083
2084
2085 SGROUP PSI : 10M/OFF;
2086 SRULE : T(SENDGROUP)
2087 *INSERT (VILLAGER SAYZ THAT) (EPSOBJECT IN VLOC);
2088 (F1 EQL EPSFORM);
2089 SRULE : *INSERT (VILLAIN SAYZ THAT) (OANS(OBJECT) IN SLOC);
2090 SENDGROUP;
2091
2092
2093 GROUP VILDISG -- VILLAIN DISGUISES HIMSELF (P. 29).
2094 THE DISGUISE IS RANDOMLY PICKED.
2095
2096
2097 SGROUP VILDISG : 10M/OFF;
2098 SRULE : *INSERT (VILLAIN DISGUISE PERPRON(VILLAIN))
2099 (DISGUISE AS PICK(DISGUISES));
2100 SENDGROUP;
2101
2102
2103 GROUP NU -- TRICKERY (VI, P. 29).
2104 A TRICK IS RANDOMLY PICKED. THE TWO FORMS REQUIRE SEPARATE RULES.
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2114 SGROUP NU : 10M/OFF;
2115 SRULE : T(SENDGROUP)
2116 *INSERT (VILLAIN ATTEMPT) (ATTEMPT PERSUADE)
2117 (PERSUADE TAKE TRICK) (PERSUADE ANULL V);
2118 -10,-10 : (F1 EQL NUFORM);
2119 SRULE : *INSERT (VILLAIN USE TRICK) (USE ON VICTIM);
2120 SENDGROUP;
2121
2122
2123 GROUP THETA -- COMPLICITY (VII, P. 30).
2124 ONE FORM REQUIRES AN ADDITIONAL RULE.
2125
2126
2127 SGROUP THETA : 10M/OFF;
2128 SRULE : *INSERT (VICTIM PERSUADED) (PERSUADED TAKE TRICK);
2129 -10,-10 : (F1 EQL THETAFORM);
2130 SRULE : VICTIM FALLASLEEP;
2131 SENDGROUP;
2132
2133
2134 GROUP REPLPICK -- DETERMINATION OF REPLACEMENT.
2135
2136
2137 SGROUP REPLPICK : 10M/OFF;
2138 SRULE : T(SENDGROUP)
2139 *DISCARD (SON POS VILLAIN) TO REPLACEMENT;
2140 (VICTIM EQL MALES);
2141 SRULE : *DISCARD (DAUGHTER POS VILLAIN) TO REPLACEMENT;
2142 SENDGROUP;
2143
2144
2145 GROUP A -- VILLAINY (VIII, P. 30).
2146 MOST FORMS OF A ARE HANDLED IN A SINGLE RULE. THREE FORMS
2147 DIFFERENT RULES, AND ANOTHER FORM REQUIRES AN ADDITIONAL RU
2148 (A RESPONSE).
2149
2150
2151 SGROUP A : 10M/OFF;
2152 SRULE : T(AONE)
2153 VILLAIN AREL(AFORM) VOBJECT;
2154 (AFORM EQL AOFFP);
2155 -10,10 : T(SENDGROUP) *INSERT (VILLAIN AREL(AFORM) VOBJECT)
2156 (AREL(AFORM) AREL2(AFORM) AOBJ(AFORM));
2157 (AFORM EQL F1) OR (AFORM EQL F1B);
2158 SRULE : T(SENDGROUP)
2159 *INSERT (VILLAIN INJUR(VOBJECT) VOBJECT) (VOSBJEC
2160 VICTIM);
2161 -10,-10 : (F6 EQL AFORM);
2162 SRULE AONE : T(SENDGROUP)
2163 VICTIM GIVEN TO VILLAIN;
2164 (F8 EQL AFORM);
2165 SRULE : T(SENDGROUP)
2166 OWNER REFUSE;
2167 (F8 EQL AFORM);
2168 -10,-10 : *INSERT (VICTIM REPLACED) (REPLACED WITH REPLA
2169 (F12 EQL AFORM);
2170 SENDGROUP;
2171
2172
2173 GROUP SMALL A -- LACK (VIII, P. 35).
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2176 .
 2177 .
 2178 .
 2179 THE INITIAL SITUATION AND LACK ARE DESCRIBED.
 2180 .
 2181 .
 2182 \$GROUP SA : 10M/OFF;
 2183 \$RULE : T(NEED)
 2184 PLACE IS STORYLOC,
 2185 FAMILY ALONE;
 2186 10,-10 : NUM(FAMILY) EQ 1;
 2187 \$RULE : FAMNAM LIVEIN STORYLOC;
 2188 \$GROUP : X.FAMILY;
 2189 \$RULE : *MOVE GENDER(X) TO SEX;
 2190 \$RULE : T(SNEXT X)
 2191 10,-10 : PARENT(SEX) IS X;
 2192 (X EQL PARENTS(SEX));
 2193 \$RULE : *INSERT (CHILD(SEX) IS X) (CHILD(SEX) OLDEST);
 2194 \$ENDLOOP;
 2195 \$RULE NEED : HERO NEED SUBJECT;
 2196 \$ENDGROUP;
 2197 .
 2198 .
 2199 \$GROUP B -- DISPATCH (IX, P. 36).
 2200 EACH FORM OF B REQUIRES A DIFFERENT RULE. IN ADDITION, ONE FORM
 2201 MAY USE ONE OF THREE RULES DEPENDING ON THE FORM OF A.
 2202 .
 2203 .
 2204 \$GROUP B : 10M/OFF;
 2205 .
 2206 IF A SUBSTITUTION OCCURRED, IT IS DISCOVERED.
 2207 .
 2208 \$RULE : T(FIRSTFORM)
 2209 DISPATCHER DISCOVER SUBSTITUTION;
 2210 10,-10 : NUM(AFORMTPI) EQ 1 AND NUM(DISPATCHER) EQ 1;
 2211 \$RULE : HERO DISCOVE. SUBSTITUTION;
 2212 10,-10 : NUM(AFORMTPI) EQ 1;
 2213 \$RULE FIRSTFORM : T(\$ENDGROUP)
 2214 *INSERT (DISPATCHER CALLFOR HELP) (HELP FROM SEEKER);
 2215 (F1 EQL BFORM);
 2216 \$RULE : T(\$ENDGROUP)
 2217 *INSERT (DISPATCHER SEND SEEKER) (SEND SEARCH1)
 2218 (SEARCH1 FOR SUBJECT);
 2219 10,-10 : (F2 EQL BFORM);
 2220 \$RULE : T(\$ENDGROUP)
 2221 *INSERT (SEEKER ASK1 PERMISSION) (PERMISSION TO1)
 2222 (TO1 LEAVE);
 2223 10,-10 : (F3 EQL BFORM);
 2224 \$SWITCH : F1AF4;
 2225 10,-10 : (F4 EQL BFORM);
 2226 \$RULE : T1BF4
 2227 DISPATCHER CALLFOR HERO;
 2228 (VILLAGR2 EQL DISPATCHER);
 2229 \$RULE : HERO MEET DISPATCHER;
 2230 .
 2231 FOR FORM 4, THE ANNOUNCEMENT REPEATS THE ORIGINAL STATEMENT OF THE
 2232 VILLAIN AS IN GROUP A, BUT IS PUT INTO THE PAST TENSE.
 2233 .
 2234 \$RULE BF4 : T(\$ENDGROUP)
 2235 *INSERT (DISPATCHER ANNOUNC THAT)
 2236 (VILLAIN AREL(AFORM) OBJECT);
 2237 -10,10 : (AFORM EQL ADIFF);
 2238 \$RULE : T(\$ENDGROUP)
 2239 .
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 2246 .
 2247 10,-10 : *INSERT (DISPATCHER ANNOUNC THAT)
 2248 (VILLAIN AREL(AFORM) VICTIM);
 2249 (AFORM EQL F6) OR (AFORM EQL F12);
 2250 \$RULE : T(\$ENDGROUP)
 2251 *INSERT (DISPATCHER ANNOUNC THAT)
 2252 (VILLAIN AREL(AFORM) OBJECT)
 2253 (OBJECT AREL2(AFORM) OBJ(AFORM));
 2254 \$RULE AF6 : T(\$ENDGROUP)
 2255 *INSERT (HERO FREED) (FREED SECRETLY);
 2256 10,-10 : (F6 EQL BFORM);
 2257 \$RULE : T(\$ENDGROUP)
 2258 *INSERT (LAMENT SUNG) (SUNG FOR VICTIM);
 2259 10,-10 : (F7 EQL BFORM);
 2260 \$RULE : *INSERT (OWNER TAKEAWAY VICTIM) (TAKEAWAY FROM SOME);
 2261 10,-10 : (F5 EQL BFORM);
 2262 \$ENDGROUP;
 2263 .
 2264 .
 2265 \$GROUP C -- BEGINNING COUNTERACTION (X, P. 38).
 2266 .
 2267 \$GROUP C : 10M/OFF;
 2268 \$RULE : *INSERT (SEEKER DECIDE) (DECIDE SEARCH1)
 2269 (SEARCH1 FOR COB);
 2270 \$ENDGROUP;
 2271 .
 2272 .
 2273 \$GROUP DEPART -- DEPARTURE (XI, P. 39).
 2274 A VICTIM-HERO IS ALWAYS ASSUMED TO ALREADY BE AWAY FROM HOME, AND
 2275 WANDERING IN AN ATTEMPT TO RETURN.
 2276 .
 2277 \$GROUP DEPART : 10M/OFF;
 2278 \$RULE : T(\$ENDGROUP)
 2279 *INSERT (HERO LEAVE) (LEAVE ON SEARCH);
 2280 (HERO EQL VICTIM);
 2281 \$RULE : HERO WANDERING;
 2282 \$ENDGROUP;
 2283 .
 2284 .
 2285 \$GROUP D -- FIRST FUNCTION OF THE DONOR (XII, P. 39).
 2286 AFTER AN INTRODUCTION, EACH FORM OF D REQUIRES A DIFFERENT (SET OF
 2287 RULE(S)). SOME FORMS NEED A DESCRIPTION OF THE DONOR.
 2288 .
 2289 .
 2290 \$GROUP D : 10M/OFF;
 2291 \$RULE : *INSERT (HERO MEET DONOR) (MEET ALONG WAY);
 2292 \$RULE : DONOR DYING;
 2293 10,-10 : (DFORM EQL F3);
 2294 .
 2295 THESE TWO FORMS USE THE PREDICATE NODE, TASK, WHICH HAS BEEN
 2296 PREVIOUSLY CONSTRUCTED BY A CALL ON THE NAME OF THE DONOR.
 2297 .
 2298 \$RULE : T(\$ENDGROUP)
 2299 DONOR DREL(DFORM) TASK;
 2300 (DFORM EQL F1) OR (DFORM EQL F3);
 2301 \$RULE : T(\$ENDGROUP)
 2302 DONOR GREET HERO,
 2303 *INSERT (DONOR ASK1 HERO) (ASK1 ANSWER QUESION);
 2304 10,-10 : (DFORM EQL F2);
 2305 .
 2306 .
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2308 .
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 2310 .
 2311 \$RULE : T(\$ENDGROUP)
 2312 DONOR IMPRISONED,
 2313 *INSERT (DONOR ASK) (ASK BC) (BE FREED);
 2314 10,-10 : (DFORM EQL F4);
 2315 \$RULE : T(\$ENDGROUP)
 2316 *INSERT (DONOR THREATNED) (THREATNED BY HERO),
 2317 *INSERT (DONOR REQUEST MERCY) (REQUEST FROM HERO);
 2318 10,-10 : (DFORM EQL F5);
 2319 \$RULE : T(\$ENDGROUP)
 2320 *INSERT (DONOR FIGHTINGWITH FRIEND)
 2321 (FIGHTINGWITH OVER DISTYPE),
 2322 *INSERT (DONOR ASK1 HERO) (ASK1 DIVIDE DISTYPE);
 2323 10,-10 : (DFORM EQL F6);
 2324 \$RULE : T(\$ENDGROUP)
 2325 *INSERT (DONOR ATTEMPT) (ATTEMPT BY1)
 2326 (ATTEMPT KILL1 HERO) (BY1 KILLMETH);
 2327 10,-10 : (DFORM EQL F8);
 2328 \$RULE : T(\$ENDGROUP)
 2329 *INSERT (DONOR BRAWL) (BRAWL WITH HERO)
 2330 (BRAWL IN FORESTHUT);
 2331 10,-10 : (DFORM EQL F9);
 2332 \$ENDGROUP;
 2333 .
 2334 EITHER ONE OR THREE AGENTS ARE OFFERED FOR EXCHANGE (AS
 2335 PREVIOUSLY DETERMINED).
 2336 .
 2337 \$RULE : T(\$ENDGROUP)
 2338 *INSERT (DONOR OFFER MAGHELPS) (OFFER TO HERO)
 2339 (OFFER FOR EXCHANGE);
 2340 10,-10 : NUM(MAGHELPS) EQ 1;
 2341 \$RULE : *INSERT (DONOR OFFER MAGHELPS1) (MAGHELPS1 RAND
 2342 MAGHELPS2) (MAGHELPS1 RAND MAGHELPS2),
 2343 *INSERT (THEY OFFEREDTO HERO) (OFFEREDTO FOR EXCHANGE);
 2344 \$ENDGROUP;
 2345 .
 2346 .
 2347 \$GROUP E -- REACTION (XIII, P. 42).
 2348 EACH FORM, WHICH IS PAIRED WITH THE FORM OF D, REQUIRES A
 2349 DIFFERENT (SET OF) RULE(S). FORMS 1 AND 3 USE A PREDICATE
 2350 NODE, TRESP, WHICH HAS BEEN PREVIOUSLY CONSTRUCTED.
 2351 .
 2352 .
 2353 \$GROUP E : 10M/OFF;
 2354 \$RULE : T(\$ENDGROUP)
 2355 HERO PRESPOND TRESP;
 2356 10,-10 : (DFORM EQL F1);
 2357 \$RULE : T(\$ENDGROUP)
 2358 HERO ANSWER QUESTION,
 2359 10,-10 : (DFORM EQL F2);
 2360 \$RULE : T(\$ENDGROUP)
 2361 HERO PRESPOND TRESP;
 2362 10,-10 : (DFORM EQL F3);
 2363 \$RULE : T(\$ENDGROUP)
 2364 HERO FREE DONOR,
 2365 10,-10 : (DFORM EQL F4);
 2366 \$RULE : T(\$ENDGROUP)
 2367 *INSERT (HERO SHOW MERCY) (SHOW TOWARD DONOR);
 2368 10,-10 : (DFORM EQL F5);
 2369 \$SWITCH : T(EJUMP);
 2370 -10,10 : (DFORM EQL F6);
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SRULE : (SENDGROUP)
10,-10 : *INSERT (MAGHELPS COME)(COME FROM MAGHELPORIG);
(MAGHELPORIG EQL MAGCHANGS);
THREE MAGICAL AGENTS ACQUIRED.
SRULE THREE : *INSERT (MAGHELPI RAND MAGHELPI3)
(MAGHELPI RAND MAGHELPI2)(MAGHELPI3 PREL(FFORM) HERO);
SRULE : (SENDGROUP)
10,-10 : *INSERT (HERO TAKE THEM);
(FFORM EQL F2) OR (FFORM EQL F3) OR (FFORM EQL F9);
THREE AGENTS ACQUIRED BY THEIR COMING FROM ANOTHER AGENT.
SRULE CHANG3 : *INSERT (MAGHELPI RAND MAGHELPI3)(MAGHELPI RAND MAGHELPI2)
(MAGHELPI3 COME)(COME FROM MAGHELPORIG);
SENDGROUP;
GROUP G -- TRANSPERANCE (XV, P. 50).
ONE RULE HANDLES ALL FORMS OF G, EXCEPT THAT A VICTIM-HERO RETURNS
HOME. THEN, THE TRANSPORTATION AGENT IS DESCRIBED.
SGROUP G : 10M/OFF;
SRULE : T(METHOD)
*INSERT (HERO TRAVEL)(TRAVEL TO LOCATIO)
(LOCATIO OF SUBJECT)(SUBJECT IN KINGDOM)
(KINGDOM OTHER);
-10,-10 : (SUBJECT EQL VILLAIN) AND (VILLAIN EQL FAMILY);
SRULE : HERO RETURN HOME;
SRULE METHOD : HERO GREL(FFORM) GRELPER;
SENDGROUP;
GROUP H -- STRUGGLE (XVI, P. 51).
EACH OF THE THREE FORMS REQUIRES A SEPARATE RULE.
SGROUP H : 10M/OFF;
SRULE : HERO FIND VILLAIN;
SRULE : T(SENDCGROUP)
*INSERT (THEY FIGHT)(FIGHT IN FIELD)(FIELD OPEN);
(FFORM EQL F1);
SRULE : T(SENDCGROUP)
*INSERT (THEY ENGAGE)(ENGAGE IN COMPETITION);
(FFORM EQL F2);
SRULE : THEY PLAY CARDS;
SENDGROUP;
GROUP I -- VICTORY (XVIII, P. 53).
EACH FORM REQUIRES A DIFFERENT (SET OF) RULE(S).
SGROUP I : 10M/OFF;
SWITCH : T(ISKIP1);
-10,-10 : (IFORM EQL F1);
FOR FORM ONE, IF APPROPRIATE, A MAGICAL AGENT IS USED.

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SRULE : T(SENDCGROUP)
*INSERT (VILLAIN DEFEATED)(DEFEATED BADLY);
NUM(MAGHELPKILL) EQ 0;
T(SENDCGROUP)
*INSERT (HERO DEFEAT VILLAIN)(DEFEAT WITH AID)(AID OF
MAGHELPKILL);
SRULE ISKIP1 : T(SENDCGROUP)
*INSERT (HERO WIN)(WIN WITH HELP)(HELP OF CLEVERNESS)
(IFORM EQL F2);
SRULE : T(SENDCGROUP)
*INSERT (VILLAIN TROUNCED)(TROUNCED AT CARDS);
(IFORM EQL F3);
FOR FORM 5 A MAGICAL AGENT MAY BE USED.
SRULE : HERO SURPRISE VILLAIN;
T(SENDCGROUP)
*INSERT (HERO KILL VILLAIN)(KILL WITHOUT FIGHT);
NUM(MAGHELPKILL) EQ 0;
SRULE : *INSERT (HERO FILL VILLAIN)(KILL WITH AID)(AID OF
MAGHELPKILL);
SENDGROUP;
GROUP J -- BRANDING (XVII, P. 52).
ONLY ONE POSSIBLE FORM IS IMPLEMENTED.
SGROUP J : 10M/OFF;
SRULE : HERO WOUNDED;
SENDGROUP;
GROUP K -- LIQUIDATION (XIX, P. 53).
THERE IS ONE BASIC RULE FOR FUNCTION K.
SGROUP K : 10M/OFF;
TEST FOR FUNCTION K ACTING LIKE FUNCTION F.
SWITCH : T(FORMKF);
-10,-10 : (IFORM EQL F1);
TEST FOR FORM K USING A MAGICAL AGENT.
SWITCH : T(FORMKMG);
-10,-10 : (IFORM EQL F5);
BASIC RULE FOR FUNCTION K. IF THE PREVIOUS ACTION (KILLING THE
VILLAIN) HAS ALREADY LIQUIDATED THE MISFORTUNE (THE VILLAIN) THEN
NOTHING IS DONE IN FUNCTION K.
SRULE : (SENDGROUP)
*INSERT (SUBJECT KREL(FFORM))(KREL(FFORM) BY HERO);
-10,-10 : (IFORM EQL F4) AND (SUBJECT EQL VILLAIN);
FUNCTION K ACTS LIKE FUNCTION F, AND THE FORMS OF F ARE USED AGAIN.

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SRULE FORMKF : T(SENDCGROUP)
SUBJECT PREL(FFORM) HERO;
FUNCTION K USES A MAGICAL AGENT.
SRULE FORMKMG : T(SENDCGROUP)
*INSERT (SUBJECT APPEAR)(APPEAR FROM MAGHELPLIO);
(SAFORM EQL F5);
SRULE : *INSERT (GOLD PRODUCED)(PRODUCED BY MAGHELPLIO);
SENDGROUP;
GROUP RETURN (XX, P. 55).
SGROUP RETURN : 10M/OFF;
SRULE : T(SENDCGROUP)
*INSERT (HERO START)(START BACK HOME);
(HERO EQL VICTIM) OR (SUBJECT EQL VILLAIN) AND
(IFORM NEQ F7);
SRULE : *INSERT (HERO START)(START WITH SUBJECT)
(START BACK HOME);
SENDGROUP;
GROUP PR -- PURSUIT (XXI, P. 56).
AFTER TWO SPECIAL CASES, THERE IS ONE BASIC RULE.
SGROUP PR : 10M/OFF;
SRULE : T(SENDCGROUP)
*INSERT (PURSUER TEMPT HERO)
(TEMPT BY1)(BY1 CHANGE1)
(CHANGEL INTO OBJECT)(OBJECT ALLURING);
(IFORM EQL F4);
SRULE : T(SENDCGROUP)
PURSUER PURSUE HERO,
*INSERT (HERO HIDE)(HIDE IN TREE),
*INSERT (PURSUER ATTEMPT)(ATTEMPT GNAM)(GNAM THROUGH
TREE);
(IFORM EQL F7);
BASIC RULE, SUBSCRIPTED ON THE FORM OF P.
SRULE : *INSERT (PURSUER PREL(FFORM))(PREL(FFORM)
PREL2(FFORM) HERO);
SENDGROUP;
GROUP RS -- RESCUE (XXII, P. 57).
THERE IS ONE SPECIAL CASE, ALL OTHERS BEING HANDLED IN ONE GENERAL
RULE. A RANDOM HELPER IS PICKED, EXCEPT THAT THE HELPER MAY HAVE
ALREADY BEEN CHOSEN BY THE MASTER GROUP (IN THE CASE OF A MAGICAL
HELPER).
SGROUP RS : 10M/OFF;
SRULE : T(SENDCGROUP)
*INSERT (HERO ESCAPE)
(ESCAPE BY1)(BY1 RSRELI(RSFORM))

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(PRELI(RSFORM) RSREL2(RSFORM)
PICK(PSEHELPER(RSFORM)));
-10,-10 : (RSFORM EQL F2);
SRULE : *INSERT (HERO ESCAPE)
(ESCAPE BY1)(BY1 RSRELI(RSFORM))
(PRELI(RSFORM) RSREL2(RSFORM)
PICK(PSEHELPER(RSFORM)));
(RSRELI(RSFORM) RNULL PURSUER);
SENDGROUP;
GROUP END.
A HAPPY ENDING IS ASSURED.
SGROUP END : 10M/OFF;
SRULE : T(SENDCGROUP)
HERO RETURN HOME;
-10,-10 : ((SUBJECT EQL PEOPLE) OR (SAFORM EQL F1))
AND NOT (HERO EQL VICTIM);
SRULE : THEY RETURN HOME;
SENDGROUP;
THE LAST FIVE GROUPS CORRESPOND TO THE FIVE DONORS WHO ARE CALLED
AS GROUPS. EACH GROUP SETS UP TWO PREDICATE NODES -- ONE FOR THE
TASK TO BE GIVEN BY THE DONOR TO THE HERO, THE OTHER FOR THE FINAL
(POSITIVE) RESPONSE OF THE HERO. THIS ALLOWS FOR SIMPLE,
GENERAL RULES IN GROUPS D AND E FOR FORMS 1 AND 3.
SGROUP COM : 10M/OFF;
SRULE : ULST XX;
*INSERT (HERO EAT)(MEAT HER)(EAT NOT1)(EAT OF MEAT);
*INSERT (HERO BE)(BONES IN GARDEN)(RANDI BURY)
(GATHER FANDI)(BE GATHER BONES);
*INSERT (HERO BEL)(FOPGIT NOT1)(BEL FORGET COW);
*INSERT (HERO FOLLOW INSTRUCTIONS)
(INSTRUCTIONS OF COM);
*DISCADD (HERO EAT) TO TASK;
*DISCADD (HERO BE) TO TASK;
*DISCADD (HERO BEL) TO TASK;
*DISCADD (HERO FOLLOW INSTRUCTIONS) TO TRESP;
LST XX;
SENDGROUP;
SGROUP NAM : 10M/OFF;
SRULE : ULST XX;
*INSERT (HERO SPEND NIGHTS)(GRAVE HIS)
(SPEND BESIDE GRAVE)(NIGHTS THREE);
*INSERT (HERO SIT)(GRAVE HIS)(NIGHTS THREE)
(SIT FOR NIGHTS)(SIT BY GRAVE);
*DISCADD (HERO SPEND NIGHTS) TO TASK;
*DISCADD (HERO SIT) TO TRESP;
LST XX;
SENDGROUP;
SGROUP STOVE : 10M/OFF;
SRULE : ULST XX;
*INSERT (HERO EAT1 MEAL)(RAVEL PREPARD)
(IT HAVEL)(MEAL WHICH IT);
*INSERT (HERO PARTAKE)(PARTAKE OF MEAL);

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SENDGROUP;
\$GROUP WITCH :
\$RULE :

*DISCADD (HERO EAT) REAL) TO TASK,
*DISCADD (HERO PARTAKE) TO TRESP,
LST XX;

10M/OFF;
ULST XX,

*INSERT (HERO LISTEN) (WITHOUT) FALLASLEEP)
(LISTEN TO GUSLA) (LISTEN WITHOUT);
*INSERT (HERO STAY) (LISTEN TO GUSLA) (WHILE) LISTEN)
(STAY AWAKE) (STAY WHILE);

*DISCADD (HERO LISTEN) TO TASK,
*DISCADD (HERO STAY) TO TRESP,
LST XX;

SENDGROUP;
\$GROUP FORESTM :
\$RULE :

10M/OFF;
ULST XX,

*INSERT (HERO WORK) (WORK IN FOREST)
(YEARS THREE) (WORK FOR YEARS),
*INSERT (HERO SPEND YEARS) (TOIL FOR FORESTM)
(SPEND TOIL) (SPEND IN FOREST) (YEARS THREE);

*DISCADD (HERO WORK) TO TASK,
*DISCADD (HERO SPEND YEARS) TO TRESP,
LST XX;

SENDGROUP;
SEND :

10.4 Surface Structure//Semantics Rules

TYPES

- 1 O
- 2 RA
- 3 RV
- 4 NP
- 5 RPOS
- 6 RADV
- 7 RNUL
- 8 RAND

GRAMMAR			SUB-TYPE	MAP	TRANS	PRED
1	S	----	0-0	0-RV	0-	1 2 0
2	S	----> NP	0-0	0-R	0-	1 2 0 2
3	S	----> NP	0-0	0-R	0-	1 2 0 2
4	S1	----> NFR CONJ	0-0	0-RAND	0-0	1 0 0 2
5	AP	----> IS	0-0	0-RV	0-	1 2 0 0
6	THAT2	----> THAT	0-R	0-	0-	2 0 0 0
7	NP	----> NARCZ	1-0	0-	0-	1 0 0 0
8	NP	----> ART	0-0	0-	0-	1 0 0 0
9	NP	----> NPP	0-0	0-	0-	2 0 0 0
10	NP	----> NFR CONJ	0-0	0-RPOS	0-0	2 0 0 1
11	NARC2	----> NPP	0-0	0-RAND	0-0	1 0 0 2
12	NPP	----> NARC	0-0	0-	0-	1 0 0 0
13	NPP	----> NARC	0-0	0-	0-	1 0 0 0
14	NPP	----> NPP MOD	0-0	0-	0-	1 0 0 0
15	NPP	----> NPP VP	0-0	0-RP	0-	1 2 0 0
16	NPP	----> NPP VP	0-0	0-RV	0-	1 2 0 0
17	NPP	----> NPP ADJ	0-0	1-RA	0-	1 2 0 0
18	NPC	----> MOD	0-0	0-RA	0-	2 1 0 0
19	NPR	----> NP	0-0	0-	0-	1 0 0 0
20	NPR	----> NP	0-0	0-	0-	1 0 0 0
21	NPR	----> NP	0-0	0-RV	0-	1 2 0 0
22	NPR	----> NP	0-0	0-R	0-	1 2 0 0
23	VP	----> V	0-0	0-RAND	0-0	1 0 0 2
24	VP	----> VP	0-RV	0-	0-	1 0 0 0
25	VP	----> VP	0-RV	4-RV	0-	1 2 0 0
26	VP	----> VP	3-RV	0-RV	0-	1 2 0 0
27	VP	----> VP	1-RV	0-RV	0-	1 2 0 0
28	VP	----> VP	0-RV	0-RV	0-	1 2 0 0
29	VP	----> VP	6-RV	2-0	0-	1 0 0 0
30	VP	----> VP	5-RV	2-0	0-	1 0 0 0
31	VP	----> VP	0-RV	2-0	0-	1 0 0 0
32	VP	----> VP	2-RV	1-0	0-	1 2 0 0
33	VP	----> VP	0-RV	1-0	0-	1 2 0 0
34	VP	----> VP	0-RV	0-0	0-	1 2 0 0
35	VP	----> VP	0-RV	0-RA	0-	1 2 0 0
36	VP	----> VP	0-RV	0-RP	0-	1 2 0 0
37	VP	----> VP	0-RV	0-RV	0-	1 2 0 0
38	VP	----> ADV	0-RV	1-RADV	0-	1 2 0 0
39	VP	----> VP	0-RV	0-RADV	0-	2 1 0 0
39	VP	----> VP	0-RV	0-RAND	0-	1 2 0 0
39	VP	----> VP	0-RV	0-RNUL	0-0	1 0 0 2

GRAMMAR			SUB-TYPE			HAP	TRANS	PRED	
40	VP2	---->	PREP	0-RP	0-	0-	1	0	0
41	VP2	---->	TC VP	0-RV	0-	0-	2	0	0
42	VP2	---->	PREP NP	0-RP	2-0	0-	1	0	0
43	VP2	---->	FREP NP	0-RP	0-0	0-	1	2	0
44	VP2	---->	FREP MOD	0-RP	0-RV	0-	1	2	0
45	CONJ	---->	AND NPR	0-0	0-	0-	2	0	0
46	CONJ	---->	AND VP	0-NAND	0-RV	0-	1	2	0
47	CONJ1	---->	AND1 NP	0-0	0-	0-	2	0	0
48	PR1	---->	BY VP	0-0	0-RV	0-	0	2	0
49	PR2	---->	THAT S1	0-0	0-	0-	2	0	0
50	PR3	---->	NFC VP	0-0	0-RV	0-	1	2	0
51	MOD	---->	PREP	0-RP	0-	0-	1	0	0
52	MOD	---->	ADJ	0-RA	0-	0-	1	0	0
53	MOD	---->	VP	0-RV	0-	0-	1	0	0
54	MOD	---->	MOD VP	3-RP	0-RV	0-	1	2	0
55	MOD	---->	MOD VP	2-RP	0-RV	0-	1	2	0
56	MOD	---->	MOD VP	1-RP	0-RV	0-	1	2	0
57	MOD	---->	MOD VP	0-RP	0-RV	0-	1	2	0
58	MOD	---->	MOD NP	1-RP	0-0	0-	1	2	0
59	MOD	---->	ADJ THAT2	0-RA	1-0	0-	1	2	0
60	MOD	---->	MOD NP	0-R	0-0	0-	1	2	0
61	MOD	---->	ADV ADJ	0-RA	0-RADV	0-	2	1	0
62	MOD	---->	MOD VP2	0-RA	0-RV	0-	1	2	0
63	MOD	---->	MOD VP2	0-RA	0-RP	0-	1	2	0

TRANS 3 SETS FEATURE 8 FOR SYMBOL 2
 TRANS 3 DELETES FEATURE 5 FOR SYMBOL 2
 TRANS 4 SETS FEATURE 7 FOR SYMBOL 2
 TRANS 4 DELETES FEATURE 5 FOR SYMBOL 2
 TRANS 5 DELETES FEATURE 5 FOR SYMBOL 2
 TRANS 5 SETS FEATURE 6 FOR SYMBOL 2
 TRANS 6 SETS FEATURE 2 FOR SYMBOL 2
 TRANS 7 SETS FEATURE 10 FOR SYMBOL 1

LOWTRANS SUFFIX

- 1
- 2 S
- 3 ES
- 4 D
- 5 ED
- 6 LY
- 7 Y
- 8 ING
- 9 EN
- 10 N
- 11 S
- 12

1: (PARANOV'S LIVE IN DISTANTP) SET AT 0M
 2: (VASILISA IS DAUGHTER) SET AT 0M
 3: (DAUGHTER UNLUCKY) SET AT 0M
 4: (BALDAK IS FATHER) SET AT 0M
 5: (ELENA IS DAUGHTER) SET AT 0M
 6: (DAUGHTER BRAVE) SET AT 0M
 7: (VLADIMIR IS SON) SET AT 0M
 8: (SON WICKED) SET AT 0M
 9: (VLADIMIR HATE VASILISA) SET AT 0M
 10: (MOTHER IS MARTHA) SET AT 0M
 11: (BALDAK RAND VASILISA) SET AT 0M
 12: (BALDAK RAND ELENA) SET AT 0M
 13: (VASILISA IN HOUSE) SET AT 0M
 14: (BALDAK SAY2 INTERDIC) SET AT 0M
 15: (ELENA LEAVE1 HOUSE) SET AT 0M
 16: (BALDAK LEAVE) SET AT 0M
 17: (LEAVE GOTOWAR) SET AT 0M
 18: (ELENA LEAVE1 HOUSE) SET AT 0M
 19: (VLADIMIR ASK1 VILLAGER) SET AT 0M
 20: (ASK1 WHEREIS VASILISA) SET AT 0M
 21: (VILLAGER SAY2 THAT) SET AT 0M
 22: (VASILISA IN HOUSE) SET AT 0M
 23: (VLADIMIR THREATEA VASILISA) SET AT 0M
 24: (ELENA ASK1 PERMISSI) SET AT 0M
 25: (PERMISSI TOL) SET AT 0M
 26: (TOL LEAVE) SET AT 0M
 27: (ELENA DECIDE) SET AT 0M
 28: (DECIDE SEARCH1) SET AT 0M
 29: (SEARCH1 FOR HELP) SET AT 0M
 30: (ELENA LEAVE) SET AT 0M
 31: (LEAVE ON SEARCH) SET AT 0M

Before 1 Form 17 of function A is chosen. Initial classes filled:
 STORYLOC = DISTANTPROVINCE, FANNAM = PARANOV,
 VLOC = HOUSE (location of villainy), HERO = ELENA (in family),
 VILLAIN = VLADIMIR (in family, allowable due to form of A, but
 not a parent), VICTIM = VASILISA (must be in family),
 VOBJECT (object of the villainy) = VICTIM = VASILISA,
 OWNER = BALDAK (father), GROUP PICKPARENTS called and MARTHA
 picked as the mother.

1-10 GROUP ALPHA.

Before 11 Interdiction will occur. BALDAK picked as ABSENTOR and form 1
 of BETA chosen. Form 2 of GAMMA chosen, and an inverted form
 of interdiction is constructed in the predicate node INTERDICT.

11-15 GROUP GAMMA.

16-17 GROUP BETA.

18 GROUP DELTA.

Before 19 GROUP VILLARIV will be skipped. Reconnaissance chosen to occur.
 Form 1 of EPSILON will be used since the villain is in the family.
 EPSOJECT = VOBJECT = VASILISA.

19-20 GROUP EPSILON.

21-22 GROUP PSI.

Before 23 No concomitant forms of villainy are possible.
 SOBJECT (sought after object) = VILLAIN = VLADIMIR.

23 GROUP A.

Before 24 Form 3 of B picked. No DISPATCHER is needed.

24-26 GROUP B.

Before 27 COBJ = HELP since villain is sought after and in family.

27-29 GROUP C.

30-31 GROUP DEPART.

THE PARANOV'S LIVE IN A DISTANT PROVINCE.
 VASILISA IS THE UNLUCKY DAUGHTER.
 BALDAK IS THE FATHER.
 ELENA IS THE BRAVE DAUGHTER.
 VLADIMIR IS THE WICKED SON.
 VLADIMIR HATES VASILISA.
 THE MOTHER IS MARTHA.
 BALDAK, ELENA AND VASILISA ARE IN THE HOUSE.
 BALDAK SAYS ELENA, LEAVE THE HOUSE.
 BALDAK LEAVES TO GO TO WAR.
 ELENA LEAVES THE HOUSE.
 VLADIMIR ASKS A VILLAGER WHERE IS VASILISA.
 THE VILLAGER SAYS THAT VASILISA IS IN THE HOUSE.
 VLADIMIR THREATENS TO EAT VASILISA.
 ELENA ASKS PERMISSION TO LEAVE.
 ELENA DECIDES TO SEARCH FOR HELP.
 ELENA LEAVES ON A SEARCH.

TALE 51

Commentary on Change Stack for 1D

CHANGE STACK FOR TIME 1D

1: (ELENA MEET FORESTKN) SET AT 1D
2: (MEET ALONG WAY) SET AT 1D
3: (FORESTKN ATTEMPT) SET AT 1D
4: (ATTEMPT BY1) SET AT 1D
5: (ATTEMPT KILL1 ELENA) SET AT 1D
6: (BY1 ROASTING) SET AT 1D
7: (ELENA KILL1 FORESTKN) SET AT 1D
8: (KILL1 BY1) SET AT 1D
9: (BY1 ROASTING) SET AT 1D
10: (MAGFLINT FOUNDBY ELENA) SET AT 1D
11: (MAGBOW RAND MAGCARPE) SET AT 1D
12: (MAGBOW RAND MAGBIRD) SET AT 1D
13: (MAGCARPE COME) SET AT 1D
14: (COME FROM MAGFLINT) SET AT 1D
15: (ELENA RETURN HOME) SET AT 1D
16: (ELENA TRAVELBY MAGCARPE) SET AT 1D
17: (ELENA SURPRISE VLADIMIR) SET AT 1D
18: (ELENA KILL1 VLADIMIR) SET AT 1D
19: (KILL1 WITH AID) SET AT 1D
20: (AID OF MAGBOW) SET AT 1D

Before 1 Donor sequence. MAGICBOW, MAGICBIRD, AND MAGCARPET are chosen as the three magical agents (MAGHELPS) to be acquired. They will come from MAGHELPORIG=MAGFLINT. Form 8 of D picked, and FORESTKN chosen as DONOR.

1-6 GROUP D.

Before 7 Trebling is chosen not to occur.

7-9 GROUP E

Before 10 Based on form of D, form 5 of F is picked.

10-14 GROUP F.

Before 15 There is a magical agent for transference (GHELPER=MAGCARPET). Form 1 of G is chosen based on the magical agent.

15-16 GROUP G

Before 17 There is a magical agent for compat (MAGHELPKILL=MAGBOW). Form 5 of I is used, which doesn't use function H.

17-20 GROUP I.

-- Form 4 of K is picked, since the villain is defeated. GROUP K is called, but produces no output. There is no return, nor a pursuit, since the villain was sought after and in the family.

ELENA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT ATTEMPTS TO KILL ELENA BY ROASTING.
ELENA KILLS THE FOREST KNIGHT BY ROASTING.
A MAGIC FLINT IS FOUND BY ELENA.
A MAGIC BOW , A MAGIC BIRD AND A MAGIC CARPET COME FROM THE MAGIC FLINT.
ELENA RETURNS HOME.
ELENA TRAVELS BY THE MAGIC CARPET.
ELENA SURPRISES VLADIMIR.
ELENA KILLS VLADIMIR WITH THE AID OF THE MAGIC BOW.

TALE 51 (cont.)

CHANGE STACK FOR TIME 0M

1: (POPOVICH LIVEIN CERTAINK) SET AT 0M
2: (EREMA IS FATHER) SET AT 0M
3: (NICHOLAS IS SON) SET AT 0M
4: (SON UNLUCKY) SET AT 0M
5: (NICHOLAS HAVE ANIMALS) SET AT 0M
6: (IVAN IS SON) SET AT 0M
7: (SON BRAVE) SET AT 0M
8: (DRAGON APPEARIN CERTAINK) SET AT 0M
9: (DRAGON PLUNDER ANIMALS) SET AT 0M
10: (NICHOLAS CALLFOR HELP) SET AT 0M
11: (HELP FROM IVAN) SET AT 0M
12: (IVAN DECIDE) SET AT 0M
13: (DECIDE SEARCH1) SET AT 0M
14: (SEARCH1 FOR DRAGON) SET AT 0M
15: (IVAN LEAVE) SET AT 0M
16: (LEAVE ON SEARCH) SET AT 0M

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
EREMA IS THE FATHER.
NICHOLAS IS THE UNLUCKY SON.
NICHOLAS HAS THE ANIMALS.
IVAN IS THE BRAVE SON.
A DRAGON APPEARS IN THE CERTAIN KINGDOM.
THE DRAGON PLUNDERS THE ANIMALS.
NICHOLAS CALLS FOR HELP FROM IVAN.
IVAN DECIDES TO SEARCH FOR THE DRAGON.
IVAN LEAVES ON A SEARCH.

Commentary on Change Stack for 0M

Before 1 Form 5 of functio A picked. Initial classes filled.
STORYLOC= CERTAINKINGDOM, FAMNAM= POPOVICHES, HERO= IVAN(in family),
VILLAIN= DRAGON, OWNER= VICTIM= NICHOLAS(in family),
VOBJECT(object of the villainy)= ANIMALS. GROUP PICKPARENTS called
and EREMA is picked as the father.

1-7 GROUP ALPHA

Before 8 Interdiction chosen not to occur.

8 GROUP VILLARIV.

Before 9 Trickery chosen not to occur. No concomitant forms of villainy
are possible. SUBJECT(sought after object)= VILLAIN= DRAGON.

9 GROUP A

Before 10 Form 1 of 8 chosen. DISPATCHER= OWNER= NICHOLAS.

10-11 GROUP B.

12-14 GROUP C.

15-16 GROUP DEPART.

TALE 52

1: (ULST XX) SET AT 1D
 2: (IVAN EAT1 MEAL) SET AT 1D
 3: (HAVE1 PREPARD) SET AT 1D
 4: (IT HAVE1) SET AT 1D
 5: (MEAL WHICH IT) SET AT 1D
 6: (IVAN PARTAKE) SET AT 1D
 7: (PARTAKE OF MEAL) SET AT 1D
 8: (LST XX) SET AT 1D
 9: (IVAN MEET STOVE) SET AT 1D
 10: (MEET ALONG WAY) SET AT 1D
 11: (STOVE PROPOSE TASK) SET AT 1D
 12: (IVAN EAT1 MEAL) SET AT 1D
 13: (MEAL WHICH IT) SET AT 1D
 14: (IT HAVE1) SET AT 1D
 15: (HAVE1 PREPARD) SET AT 1D
 16: (IVAN DONOT) SET AT 1D
 17: (DONOT RESPOND) SET AT 1D
 18: (STOVE ASK) SET AT 1D
 19: (ASK AGAIN) SET AT 1D
 20: (IVAN REFUSE) SET AT 1D
 21: (STOVE ASK) SET AT 1D
 22: (ASK FOR TIME) SET AT 1D
 23: (TIME THIRD) SET AT 1D
 24: (IVAN PRESPOND TRESP) SET AT 1D
 25: (IVAN PARTAKE) SET AT 1D
 26: (PARTAKE OF MEAL) SET AT 1D
 27: (MAGFLINT SOLDTO IVAN) SET AT 1D
 28: (MAGSWORD RAND MAGBIRD) SET AT 1D
 29: (MAGSWORD RAND MAGSTEED) SET AT 1D
 30: (MAGBIRD COME) SET AT 1D
 31: (COME FROM MAGFLINT) SET AT 1D
 32: (IVAN TRAVEL) SET AT 1D
 33: (TRAVEL TO LOCATIO) SET AT 1D
 34: (LOCATIO OF DRAGON) SET AT 1D
 35: (DRAGON IN KINGDOM) SET AT 1D
 36: (KINGDOM OTHER) SET AT 1D
 37: (IVAN TRAVELBY MAGSTEED) SET AT 1D
 38: (IVAN SURPRISE DRAGON) SET AT 1D
 39: (IVAN KILL1 DRAGON) SET AT 1D
 40: (KILL1 WITH AID) SET AT 1D
 41: (AID OF MAGSWORD) SET AT 1D
 42: (IVAN START) SET AT 1D
 43: (START BACK HOME) SET AT 1D
 44: (DRAGONWI ATTEMPT) SET AT 1D
 45: (ATTEMPT DEVOUR IVAN) SET AT 1D
 46: (IVAN ESCAPE) SET AT 1D
 47: (ESCAPE BY1) SET AT 1D
 48: (BY1 FLY) SET AT 1D
 49: (FLY ON MAGBIRD) SET AT 1D
 50: (IVAN RETURN HOME) SET AT 1D

Before 1 DONOR SEQUENCE. MAGSWORD, MAGBIRD, and MAGSTEED are chosen as the three magical agents (MAGHELPS) to be acquired. They will come from MAGFLINT (MAGHELPORIG). Since form 1 of D is used, DONOR=STOVE is picked based on that form. The GROUP STOVE is called to set up a task and a response.
 1-8 GROUP STOVE. Two predicate nodes are constructed.
 9-15 GROUP D. TASK is a predicate node.
 16-23 Trebling chosen to occur.
 24-26 GROUP E. TRESP is a predicate node.
 Before 27 Based on form of D, form 4 of F is chosen.
 27-31 GROUP F.
 Before 32 There is a magical agent for transference (GHELPER=MAGSTEED). Form 1 of G is chosen based on the magical agent.
 32-37 GROUP G.
 Before 38 There is a magical agent for combat. Form 5 of 1 chosen, which doesn't use function H. MAGHELPKILL=MAGSWORD.
 38-41 GROUP I
 Before 42 Form 4 of K picked, since the villain is defeated
 GROUP K is called but produces no output.
 42-43 GROUP RETURN.
 Before 44 Form 5 of Pr chosen with PURSUER=DRAGONWIVES, since the dragon is dead.
 44-45 GROUP PR.
 Before 46 There is a magical agent for rescue (RHELP=MAGBIRD) so form 1 of Rs is used.
 46-49 GROUP RS.
 52 GROUP END.

IVAN MEETS A STOVE ALONG THE WAY.
 THE STOVE PROPOSES THAT IVAN EAT THE MEAL WHICH IT HAS PREPARED.
 IVAN DOES NOT RESPOND.
 THE STOVE ASKS AGAIN.
 IVAN REFUSES.
 THE STOVE ASKS FOR THE THIRD TIME.
 IVAN RESPONDS BY PARTAKING OF THE MEAL.
 A MAGIC FLINT IS SOLD TO IVAN.
 A MAGIC SWORD, A MAGIC STEED AND A MAGIC BIRD COME FROM THE MAGIC FLINT.
 IVAN TRAVELS TO THE LOCATION OF THE DRAGON IN THE OTHER KINGDOM.
 IVAN TRAVELS BY THE MAGIC STEED.
 IVAN SURPRISES THE DRAGON.
 IVAN KILLS THE DRAGON WITH THE AID OF THE MAGIC SWORD.
 IVAN STARTS BACK HOME.
 THE DRAGON'S WIVES ATTEMPT TO DEVOUR IVAN.
 IVAN ESCAPES BY FLYING ON THE MAGIC BIRD.
 IVAN RETURNS HOME.

TALE 52

(cont.)

53

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
 MARTHA IS THE UNLUCKY DAUGHTER.
 THE MOTHER IS ELENA.
 IVAN IS THE FATHER.
 VLADIMIR IS THE BRAVE SON.
 ELENA , VLADIMIR AND MARTHA ARE IN THE HUT.
 ELENA SAYS VLADIMIR , DO NOT LEAVE THE HUT.
 ELENA LEAVES TO GO TO WORK.
 VLADIMIR LEAVES THE HUT.
 A DRAGON SNEAKS INTO THE DISTANT PROVINCE.
 THE DRAGON ABDUCTS MARTHA.
 ELENA CALLS FOR HELP FROM VLADIMIR.
 VLADIMIR DECIDES TO SEARCH FOR MARTHA.
 VLADIMIR LEAVES ON A SEARCH.

VLADIMIR MEETS A WITCH ALONG THE WAY.
 THE WITCH BRAWLS IN A FOREST HUT WITH VLADIMIR.
 THE WITCH TWICE REPELS VLADIMIR.
 THEY FIGHT FOR THE THIRD TIME.
 VLADIMIR DEFEATS THE WITCH.
 A MAGIC FLINT IS PLACED AT THE DISPOSAL OF VLADIMIR.
 VLADIMIR TAKES THE MAGIC FLINT.
 A MAGIC BOW , A MAGIC STEED AND A MAGIC CARPET COME FROM THE MAGIC FLINT.
 VLADIMIR TRAVELS TO THE LOCATION OF MARTHA IN AN OTHER KINGDOM.
 VLADIMIR TRAVELS BY THE MAGIC STEED.
 VLADIMIR FINDS THE DRAGON.
 THEY FIGHT IN AN OPEN FIELD.
 VLADIMIR IS WOUNDED.
 VLADIMIR DEFEATS THE DRAGON WITH THE AID OF THE MAGIC BOW.
 MARTHA IS FREED BY VLADIMIR.
 VLADIMIR STARTS BACK HOME WITH MARTHA.
 THE DRAGON'S WIVES ATTEMPT TO KILL VLADIMIR.
 VLADIMIR ESCAPES BY FLYING ON THE MAGIC CARPET.
 THEY RETURN HOME.

54

THE PARANOVVS LIVE IN A CERTAIN KINGDOM.
 ALIOSHA IS THE FATHER.
 VASILISA IS THE MOTHER.
 IVAN IS THE BRAVE SON.
 ELENA ALSO LIVES IN THE SAME LAND.
 MARIA IS ELENA'S DAUGHTER.
 A BEAR WALKS INTO THE CERTAIN KINGDOM.
 THE BEAR ASKS A VILLAGER WHERE IS MARIA.
 THE VILLAGER SAYS THAT MARIA IS IN THE BARN.
 THE BEAR THREATENS TO EAT MARIA.
 ELENA SENDS IVAN TO SEARCH FOR THE BEAR.
 IVAN LEAVES ON A SEARCH.

IVAN MEETS A WITCH ALONG THE WAY.
 THE WITCH GREETSS IVAN.
 THE WITCH ASKS IVAN TO ANSWER A QUESTION.
 IVAN DOES NOT RESPOND.
 THE WITCH ASKS AGAIN.
 IVAN RESPONDS RUDELV.
 THE WITCH ASKS FOR THE THIRD TIME.
 IVAN ANSWERS THE QUESTION.
 A MAGIC SWORD , A MAGIC CARPET AND A MAGIC BIRD ARE GIVEN TO IVAN.
 IVAN TRAVELS TO THE LOCATION OF THE BEAR IN THE OTHER KINGDOM.
 IVAN TRAVELS BY THE MAGIC CARPET.
 IVAN SURPRISES THE BEAR.
 IVAN KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
 IVAN STARTS BACK HOME.
 THE BEAR'S FATHER ATTEMPTS TO KILL IVAN.
 IVAN ESCAPES BY FLYING ON THE MAGIC BIRD.
 IVAN RETURNS HOME.

55

THE PARANOV'S LIVE IN A CERTAIN KINGDOM.
BALDAK IS THE FATHER.
IVAN IS THE BRAVE SON.
ELENA IS THE MOTHER.
KATRINA ALSO LIVES IN THE SAME LAND.
FOMA IS KATRINA'S SON.
A BEAR WALKS INTO THE CERTAIN KINGDOM.
THE BEAR DEMANDS FOMA.
KATRINA REFUSES.
IVAN MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT THE BEAR DEMANDED FOMA.
IVAN DECIDES TO SEARCH FOR THE BEAR.
IVAN LEAVES ON A SEARCH.

IVAN MEETS A DEVIL ALONG THE WAY.
THE DEVIL BRAWLS IN A FOREST HUT WITH IVAN.
THE DEVIL TWICE REPELS IVAN.
THEY FIGHT FOR THE THIRD TIME.
IVAN DEFEATS THE DEVIL.
A MAGIC STEED IS SHOWN TO IVAN.
IVAN TAKES THE MAGIC STEED.
IVAN TRAVELS TO THE LOCATION OF THE BEAR IN THE OTHER KINGDOM.
IVAN TRAVELS ON THE MAGIC STEED.
IVAN FINDS THE BEAR.
THEY FIGHT IN AN OPEN FIELD.
IVAN IS WOUNDED.
THE BEAR IS BADLY DEFEATED.
IVAN STARTS BACK HOME.
THE BEAR'S FATHER YELLS FOR IVAN.
IVAN ESCAPES BY FLYING ON THE MAGIC STEED.
IVAN RETURNS HOME.

56

THE PARANOV'S LIVE IN A CERTAIN KINGDOM.
ELENA IS THE BRAVE DAUGHTER.
NICHOLAS IS THE WICKED SON.
NICHOLAS HATES DUNIA.
DUNIA IS THE UNLUCKY DAUGHTER.
THE FATHER IS BALDAK.
BALDAK , ELENA AND DUNIA ARE IN THE HUT.
BALDAK SAYS ELENA , DO NOT LEAVE THE HUT.
BALDAK LEAVES TO GO TO WAR.
ELENA LEAVES THE HUT.
NICHOLAS ASKS A VILLAGER WHERE IS DUNIA.
THE VILLAGER SAYS THAT DUNIA IS IN THE HUT.
NICHOLAS CAUSES THE DISAPPEARANCE OF DUNIA.
BALDAK CALLS FOR ELENA.
BALDAK ANNOUNCES THAT NICHOLAS CAUSED THE DISAPPEARANCE OF DUNIA.
ELENA DECIDES TO SEARCH FOR DUNIA.

ELENA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS THREATENED BY ELENA.
THE FOREST KNIGHT REQUESTS MERCY FROM ELENA.
ELENA SHOWS MERCY TOWARD THE FOREST KNIGHT.
A MAGIC BOW , A MAGIC STEED AND A MAGIC CARPET ARE GIVEN TO ELENA.
ELENA TRAVELS TO THE LOCATION OF DUNIA IN THE OTHER KINGDOM.
ELENA TRAVELS ON THE MAGIC STEED.
ELENA FINDS NICHOLAS.
THEY FIGHT IN AN OPEN FIELD.
ELENA IS WOUNDED.
ELENA DEFEATS NICHOLAS WITH THE AID OF THE MAGIC BOW.
DUNIA IS OBTAINED BY ELENA.
ELENA STARTS BACK HOME WITH DUNIA.
NICHOLAS CHASES AFTER ELENA.
ELENA ESCAPES BY FLYING ON THE MAGIC CARPET.
THEY RETURN HOME.

57

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
DUNIA IS THE BRAVE DAUGHTER.
ALIOSHA IS THE FATHER.
KATRINA IS THE UNLUCKY DAUGHTER.
KATRINA HAS THE DAYLIGHT.
A WOLF WALKS INTO THE CERTAIN KINGDOM.
THE WOLF DISGUISES HIMSELF AS A BIRD.
THE WOLF USES A MAGIC PIN ON KATRINA.
KATRINA FALLS ASLEEP.
THE WOLF SEIZES THE DAYLIGHT.
DUNIA ASKS PERMISSION TO LEAVE.
DUNIA LEAVES ON A SEARCH.

DUNIA MEETS A WITCH ALONG THE WAY.
THE WITCH IS IMPRISONED.
THE WITCH ASKS TO BE FREED.
DUNIA FREES THE WITCH.
A MAGIC FLINT IS SHOWN TO DUNIA.
DUNIA TAKES THE MAGIC FLINT.
A MAGIC SWORD , A MAGIC CARPET AND A MAGIC BIRD COME FROM THE MAGIC FLINT.
DUNIA TRAVELS TO THE LOCATION OF THE DAYLIGHT IN THE OTHER KINGDOM.
DUNIA TRAVELS BY THE MAGIC CARPET.
DUNIA FINDS THE WOLF.
THEY FIGHT IN AN OPEN FIELD.
DUNIA IS WOUNDED.
DUNIA DEFEATS THE WOLF WITH THE AID OF THE MAGIC SWORD.
THE DAYLIGHT IS SOLD TO DUNIA.
DUNIA STARTS BACK HOME WITH THE DAYLIGHT.
DUNIA RETURNS HOME.

58

THE BERENNIKOVS LIVE IN A CERTAIN KINGDOM.
MARIA IS THE BRAVE DAUGHTER.
ALIOSHA IS THE FATHER.
KATRINA IS THE MOTHER.
EMELYA WHO OWNS A MAGIC HEN ALSO LIVES IN THE SAME LAND.
A DRAGON WALKS INTO THE CERTAIN KINGDOM.
THE DRAGON DISGUISES HIMSELF AS A BIRD.
THE DRAGON USES A SLEEPING POTION ON EMELYA.
EMELYA FALLS ASLEEP.
THE DRAGON SEIZES THE MAGIC HEN.
EMELYA SENDS MARIA TO SEARCH FOR THE MAGIC HEN.
MARIA LEAVES ON A SEARCH.

MARIA MEETS AN OLD MAN ALONG THE WAY.
THE OLD MAN GREETES MARIA.
THE OLD MAN ASKS MARIA TO ANSWER A QUESTION.
MARIA ANSWERS THE QUESTION.
A MAGIC RING IS GIVEN TO MARIA.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC BIRD COME FROM THE MAGIC RING.
MARIA TRAVELS TO THE LOCATION OF THE MAGIC HEN IN THE OTHER KINGDOM.
MARIA TRAVELS ON THE MAGIC STEED.
MARIA SURPRISES THE DRAGON.
MARIA KILLS THE DRAGON WITH THE AID OF THE MAGIC SWORD.
THE MAGIC HEN IS SHOWN TO MARIA.
MARIA STARTS BACK HOME WITH THE MAGIC HEN.
THE DRAGON'S WIVES TEMPT MARIA BY CHANGING INTO AN ALLURING OBJECT.
MARIA ESCAPES BY FLYING ON THE MAGIC BIRD.
MARIA RETURNS HOME.

59

THE MOREVNAS LIVE IN A CERTAIN KINGDOM.
THE MOTHER IS ELENA.
NICHOLAS IS THE FATHER.
BORIS IS THE UNLUCKY SON.
VASILISA ALSO LIVES IN THE SAME LAND.
VASILISA IS OF MIRACULOUS BIRTH.
A BEAR FLYS INTO THE CERTAIN KINGDOM.
THE BEAR DISGUISES HIMSELF AS A BIRD.
THE BEAR USES A MAGIC PIN ON BORIS.
BORIS FALLS ASLEEP.
THE BEAR DECLARES WAR ON BORIS.
ELENA CALLS FOR HELP FROM VASILISA.
VASILISA DECIDES TO SEARCH FOR THE BEAR.

VASILISA MEETS A DEVIL ALONG THE WAY.
THE DEVIL IS IMPRISONED.
THE DEVIL ASKS TO BE FREED.
VASILISA FREES THE DEVIL.
A MAGIC BIRD IS PLACED AT THE DISPOSAL OF VASILISA.
VASILISA TAKES THE MAGIC BIRD.
VASILISA TRAVELS TO THE LOCATION OF THE BEAR IN THE OTHER KINGDOM.
VASILISA TRAVELS BY THE MAGIC BIRD.
VASILISA SURPRISES THE BEAR.
VASILISA KILLS THE BEAR WITHOUT A FIGHT.
VASILISA STARTS BACK HOME.
THE BEAR'S FATHER FLYS AFTER VASILISA.
VASILISA ESCAPES BY FLYING ON THE MAGIC BIRD.
VASILISA RETURNS HOME.

60

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
IVAN IS THE FATHER.
MARTHA IS THE BRAVE DAUGHTER.
NICHOLAS ALSO LIVES IN THE SAME LAND.
MARIA IS NICHOLAS' DAUGHTER.
A DRAGON WALKS INTO THE DISTANT PROVINCE.
THE DRAGON MURDERS MARIA.
NICHOLAS CALLS FOR MARTHA.
NICHOLAS ANNOUNCES THAT THE DRAGON MURDERED MARIA.
MARTHA DECIDES TO SEARCH FOR MARIA.

MARTHA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS THREATENED BY MARTHA.
THE FOREST KNIGHT REQUESTS MERCY FROM MARTHA.
MARTHA SHOWS MERCY TOWARD THE FOREST KNIGHT.
A MAGIC FLINT IS SHOWN TO MARTHA.
MARTHA TAKES THE MAGIC FLINT.
A MAGIC SWORD , A MAGIC BIRD AND A MAGIC BOX COME FROM THE MAGIC FLINT.
MARTHA TRAVELS TO THE LOCATION OF MARIA IN AN OTHER KINGDOM.
MARTHA TRAVELS BY THE MAGIC BIRD.
MARTHA SURPRISES THE DRAGON.
MARTHA KILLS THE DRAGON WITH THE AID OF THE MAGIC SWORD.
MARIA APPEARS FROM THE MAGIC BOX.
MARTHA STARTS BACK HOME WITH MARIA.
THE DRAGON'S WIVES ATTEMPT TO DEVOUR MARTHA.
MARTHA ESCAPES BY FLYING ON THE MAGIC BIRD.
THEY RETURN HOME.

61

THE PARANOV'S LIVE IN A DISTANT PROVINCE.
VLADIMIR IS THE BRAVE SON.
DUNIA IS THE MOTHER.
ALIOSHA IS THE FATHER.
ELENA ALSO LIVES IN THE SAME LAND.
MARIA IS ELENA'S DAUGHTER.
A WOLF SNEAKS INTO THE DISTANT PROVINCE.
THE WOLF DISGUISES HIMSELF AS A BIRD.
THE WOLF ATTEMPTS TO PERSUADE MARIA TO TAKE A STEAMBATH.
MARIA IS PERSUADED TO TAKE A STEAMBATH.
MARIA FALLS ASLEEP.
THE WOLF DEMANDS MARIA.
MARIA IS GIVEN TO THE WOLF.
ELENA SENDS VLADIMIR TO SEARCH FOR MARIA.
VLADIMIR LEAVES ON A SEARCH.

VLADIMIR MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS FIGHTING WITH A FRIEND OVER A MAGIC BOX.
THE FOREST KNIGHT ASKS VLADIMIR TO DIVIDE THE MAGIC BOX.
VLADIMIR TRICKS THE DISPUTANTS INTO LEAVING THE MAGIC BOX UNPROTECTED.
THE MAGIC BOX IS SEIZED BY VLADIMIR.
MARIA APPEARS FROM THE MAGIC BOX.
VLADIMIR STARTS BACK HOME WITH MARIA.
THE WOLF ATTEMPTS TO DEVOUR VLADIMIR.
VLADIMIR ESCAPES BY AVOIDING BEING EATEN.
THEY RETURN HOME.

62

THE BERENNIKOV'S LIVE IN A DISTANT PROVINCE.
VASILISA IS THE MOTHER.
ALIOSHA IS THE FATHER.
DUNIA IS THE BRAVE DAUGHTER.
EREMA IS THE UNLUCKY SON.
EREMA HAS THE SHEEP.
ALIOSHA, DUNIA AND EREMA ARE IN THE WOODS.
ALIOSHA SAYS DUNIA, LEAVE THE WOODS.
ALIOSHA LEAVES TO GO TO TRADE.
DUNIA LEAVES THE WOODS.
A DRAGON FLYS INTO THE DISTANT PROVINCE.
THE DRAGON PLUNDERS THE SHEEP.
EREMA CALLS FOR HELP FROM DUNIA.
DUNIA DECIDES TO SEARCH FOR THE DRAGON.
DUNIA LEAVES ON A SEARCH.

DUNIA MEETS A WITCH ALONG THE WAY.
THE WITCH PROPOSES THAT DUNIA LISTEN TO THE GUSLA WITHOUT FALLING ASLEEP.
DUNIA FAILS.
DUNIA TRIES AGAIN.
DUNIA FAILS AGAIN.
DUNIA TRIES FOR THE THIRD TIME.
DUNIA RESPONDS BY STAYING AWAKE WHILE LISTENING TO THE GUSLA.
A MAGIC RING IS SHOWN TO DUNIA.
DUNIA TAKES THE MAGIC RING.
A MAGIC CARPET COMES FROM THE MAGIC RING.
DUNIA TRAVELS TO THE LOCATION OF THE DRAGON IN AN OTHER KINGDOM.
DUNIA TRAVELS BY THE MAGIC CARPET.
DUNIA SURPRISES THE DRAGON.
DUNIA KILLS THE DRAGON WITHOUT A FIGHT.
DUNIA STARTS BACK HOME.
THE DRAGON'S WIVES PURSUE DUNIA.
DUNIA HIDES IN A TREE.
THE DRAGON'S WIVES ATTEMPT TO GNAW THROUGH THE TREE.
DUNIA ESCAPES BY FLYING ON THE MAGIC CARPET.
DUNIA RETURNS HOME.

63

THE PARANOV'S LIVE IN A DISTANT PROVINCE.
VASILISA IS THE MOTHER.
BALDAK IS THE UNLUCKY SON.
THE FATHER IS VLADIMIR.
MARIA ALSO LIVES IN THE SAME LAND.
MARIA IS OF MIRACULOUS BIRTH.
A BEAR WALKS INTO THE DISTANT PROVINCE.
THE BEAR ASKS A VILLAGER WHERE IS BALDAK.
THE VILLAGER SAYS THAT BALDAK IS IN THE TOWN.
THE BEAR EXPELS BALDAK.
VLADIMIR CALLS FOR HELP FROM MARIA.
MARIA DECIDES TO SEARCH FOR BALDAK.
MARIA LEAVES ON A SEARCH.

MARIA MEETS A JUG ALONG THE WAY.
THE JUG BRAWLS IN A FOREST HUT WITH MARIA.
THE JUG TWICE REPELS MARIA.
THEY FIGHT FOR THE THIRD TIME.
MARIA DEFEATS THE JUG.
A MAGIC BOX IS PLACED AT THE DISPOSAL OF MARIA.
MARIA TAKES THE MAGIC BOX.
MARIA TRAVELS TO THE LOCATION OF BALDAK IN AN OTHER KINGDOM.
MARIA FOLLOWS THE BLOODY TRACKS.
BALDAK APPEARS FROM THE MAGIC BOX.
MARIA STARTS BACK HOME WITH BALDAK.
THE BEAR ATTEMPTS TO KILL MARIA.
MARIA ESCAPES BY AVOIDING BEING KILLED.
THEY RETURN HOME.

64

THE MOREVNAS LIVE IN A CERTAIN KINGDOM.
KATRINA IS THE BRAVE DAUGHTER.
VLADIMIR IS THE FATHER.
DUNIA ALSO LIVES IN THE SAME LAND.
NICHOLAS IS DUNIA'S SON.
A WOLF SNEAKS INTO THE CERTAIN KINGDOM.
THE WOLF DISGUISES HIMSELF AS AN OLD LADY.
THE WOLF USES A MAGIC PIN ON NICHOLAS.
NICHOLAS FALLS ASLEEP.
THE WOLF ABDUCTS NICHOLAS.
KATRINA MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT THE WOLF ABDUCTED NICHOLAS.
KATRINA DECIDES TO SEARCH FOR NICHOLAS.

KATRINA MEETS THE FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT PROPOSES KATRINA WORK IN THE FOREST FOR THREE YEARS.
KATRINA DOES NOT RESPOND.
THE FOREST KNIGHT ASKS AGAIN.
KATRINA REFUSES.
THE FOREST KNIGHT ASKS FOR THE THIRD TIME.
KATRINA RESPONDS BY SPENDING THREE YEARS TOILING FOR THE FOREST KNIGHT IN THE FOREST.
A MAGIC POTION IS CONSUMED BY KATRINA.
KATRINA OBTAINS THE ABILITY TO FLY.
KATRINA TRAVELS TO THE LOCATION OF NICHOLAS IN THE OTHER KINGDOM.
KATRINA TRAVELS BY THE ABILITY TO FLY.
KATRINA FINDS THE WOLF.
THEY PLAY CARDS.
THE WOLF IS TROUNCED AT CARDS.
NICHOLAS IS SOLD TO KATRINA.
KATRINA STARTS BACK HOME WITH NICHOLAS.
THEY RETURN HOME.

65

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
VASILISA IS THE OLDEST DAUGHTER.
VLADIMIR IS THE FATHER.
MARTHA IS THE BRAVE DAUGHTER.
VASILISA SAYS MARTHA , DO NOT GO TO THE HUT.
VASILISA LEAVES TO GO VISITING.
MARTHA GOES TO THE HUT.
A WOLF SNEAKS INTO THE DISTANT PROVINCE.
THE WOLF ASKS A VILLAGER WHERE IS MARTHA.
THE VILLAGER SAYS THAT MARTHA IS IN THE HUT.
THE WOLF DEMANDS MARTHA.
VASILISA REFUSES.
VASILISA TAKES AWAY MARTHA FROM HOME.

M
MARTHA MEETS A WITCH ALONG THE WAY.
THE WITCH PROPOSES THAT MARTHA LISTEN TO THE GUSLA WITHOUT FALLING ASLEEP.
MARTHA FAILS.
MARTHA TRIES AGAIN.
MARTHA FAILS AGAIN.
MARTHA TRIES FOR THE THIRD TIME.
MARTHA RESPONDS BY STAYING AWAKE WHILE LISTENING TO THE GUSLA.
A MAGIC FLINT IS PLACED AT THE DISPOSAL OF MARTHA.
MARTHA TAKES THE MAGIC FLINT.
A MAGIC BIRD COMES FROM THE MAGIC FLINT.
MARTHA STARTS BACK HOME.
THE WOLF ATTEMPTS TO KILL MARTHA.
MARTHA ESCAPES BY FLYING ON THE MAGIC BIRD.
MARTHA RETURNS HOME.

66

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
FOMA IS THE OLDEST SON.
MARIA IS THE UNLUCKY DAUGHTER.
BALDAK IS THE FATHER.
EMELYA ALSO LIVES IN THE SAME LAND.
EMELYA IS OF MIRACULOUS BIRTH.
BABAYAGA WALKS INTO THE CERTAIN KINGDOM.
BABAYAGA THREATENS TO MARRY MARIA.
FOMA SENDS EMELYA TO SEARCH FOR BABAYAGA.
EMELYA LEAVES ON A SEARCH.

EMELYA MEETS A WITCH ALONG THE WAY.
THE WITCH IS IMPRISONED.
THE WITCH ASKS TO BE FREED.
EMELYA FREES THE WITCH.
A MAGIC BIRD IS SHOWN TO EMELYA.
EMELYA TAKES THE MAGIC BIRD.
EMELYA TRAVELS TO THE LOCATION OF BABAYAGA IN THE OTHER KINGDOM.
EMELYA TRAVELS BY THE MAGIC BIRD.
EMELYA FINDS BABAYAGA.
THEY ENGAGE IN A COMPETITION.
EMELYA WINS WITH HELP OF CLEVERNESS.
EMELYA STARTS BACK HOME.
BABAYAGA'S DAUGHTER TEMPTS EMELYA BY CHANGING INTO AN ALLURING OBJECT.
EMELYA ESCAPES BY FLYING ON THE MAGIC BIRD.
EMELYA RETURNS HOME.

67

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
THE MOTHER IS DUNIA.
THE OLDEST DAUGHTER IS MARIA.
THE FATHER IS NICHOLAS.
MARIA NEEDS A FIREBIRD.
MARIA ASKS PERMISSION TO LEAVE.
MARIA DECIDES TO SEARCH FOR THE FIREBIRD.
MARIA LEAVES ON A SEARCH.

MARIA MEETS A WITCH ALONG THE WAY.
THE WITCH IS IMPRISONED.
THE WITCH ASKS TO BE FREED.
MARIA FREES THE WITCH.
A MAGIC CARPET , A MAGIC BIRD AND A MAGIC BOX ARE PLACED AT THE DISPOSAL OF MARIA.
MARIA TAKES THEM.
MARIA TRAVELS TO THE LOCATION OF THE FIREBIRD IN AN OTHER KINGDOM.
MARIA TRAVELS BY THE MAGIC BIRD.
THE FIREBIRD APPEARS FROM THE MAGIC BOX.
MARIA STARTS BACK HOME WITH THE FIREBIRD.
MARIA RETURNS HOME.

68

THE PLACE IS A DISTANT PROVINCE.
MARIA IS ALONE.
MARIA NEEDS A HUSBAND.
MARIA DECIDES TO SEARCH FOR A HUSBAND.
MARIA LEAVES ON A SEARCH.

MARIA MEETS A MAN ALONG THE WAY.
THE MAN IS DYING.
THE MAN ASKS THAT MARIA SPEND THREE NIGHTS BESIDE HIS GRAVE.
MARIA RESPONDS BY SITTING FOR THREE NIGHTS BY HIS GRAVE.
A MAGIC BOX APPEARS TO MARIA.
MARIA TRAVELS TO THE LOCATION OF A HUSBAND IN AN OTHER KINGDOM.
MARIA IS DIRECTED BY A BEGGAR.
A HUSBAND APPEARS FROM THE MAGIC BOX.
MARIA STARTS BACK HOME WITH A HUSBAND.
THEY RETURN HOME.

69

THE PARANOVS LIVE IN A CERTAIN KINGDOM.
MARIA IS THE UNLUCKY DAUGHTER.
MARCO IS THE BRAVE SON.
DUNIA IS THE MOTHER.
THE FATHER IS IVAN.
DUNIA , MARCO AND MARIA ARE IN THE TOWN.
DUNIA SAYS MARCO , DO NOT LEAVE THE TOWN.
DUNIA DIES.
MARCO LEAVES THE TOWN.
A WOLF SNEAKS INTO THE CERTAIN KINGDOM.
THE WOLF TORMENTS MARIA AT NIGHT.
IVAN SENDS MARCO TO SEARCH FOR THE WOLF.
MARCO LEAVES ON A SEARCH.

MARCO MEETS A COW ALONG THE WAY.
THE COW IS FIGHTING WITH A FRIEND OVER BONES.
THE COW ASKS MARCO TO DIVIDE THE BONES.
MARCO RECONCILES THE DISPUTE BY FAIRLY DIVIDING THE BONES.
A MAGIC FLINT IS GIVEN TO MARCO.
A MAGIC SWORD , A MAGIC CARPET AND A MAGIC BIRD COME FROM THE MAGIC FLINT.
MARCO TRAVELS TO THE LOCATION OF THE WOLF IN THE OTHER KINGDOM.
MARCO TRAVELS BY THE MAGIC BIRD.
MARCO SURPRISES THE WOLF.
MARCO KILLS THE WOLF WITH THE AID OF THE MAGIC SWORD.
MARCO STARTS BACK HOME.
THE WOLF PACK TEMPTS MARCO BY CHANGING INTO AN ALLURING OBJECT.
MARCO ESCAPES BY FLYING ON THE MAGIC CARPET.
MARCO RETURNS HOME.

70

THE PLACE IS A DISTANT PROVINCE.
EREMA IS ALONE.
EREMA NEEDS A MAGIC COW.
EREMA DECIDES TO SEARCH FOR THE MAGIC COW.

EREMA MEETS A DEVIL ALONG THE WAY.
THE DEVIL ATTEMPTS TO KILL EREMA BY DROWNING.
EREMA KILLS THE DEVIL BY DROWNING.
THE MAGIC COW IS SEIZED BY EREMA.
EREMA STARTS BACK HOME WITH THE MAGIC COW.
EREMA RETURNS HOME.

71

THE PLACE IS A CERTAIN KINGDOM.
MARCO IS ALONE.
MARCO NEEDS A MAGIC HEN.
MARCO DECIDES TO SEARCH FOR THE MAGIC HEN.
MARCO LEAVES ON A SEARCH.

MARCO MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT BRAWLS IN A FOREST HUT WITH MARCO.
THE FOREST KNIGHT TWICE REPELS MARCO.
THEY FIGHT FOR THE THIRD TIME.
MARCO DEFEATS THE FOREST KNIGHT.
A MAGIC RING IS SHOWN TO MARCO.
MARCO TAKES THE MAGIC RING.
A MAGIC BIRD , A MAGIC STEED AND A MAGIC BOX COME FROM THE MAGIC RING.
MARCO TRAVELS TO THE LOCATION OF THE MAGIC HEN IN THE OTHER KINGDOM.
MARCO TRAVELS BY THE MAGIC STEED.
THE MAGIC HEN APPEARS FROM THE MAGIC BOX.
MARCO STARTS BACK HOME WITH THE MAGIC HEN.
MARCO RETURNS HOME.

72

THE PARANOVS LIVE IN A DISTANT PROVINCE.
EMELYA IS THE UNLUCKY SON.
THE FATHER IS MARCO.
EREMA ALSO LIVES IN THE SAME LAND.
EREMA IS OF MIRACULOUS BIRTH.
A WOLF WALKS INTO THE DISTANT PROVINCE.
THE WOLF ASKS A VILLAGER WHERE IS EMELYA.
THE VILLAGER SAYS THAT EMELYA IS IN THE TOWN.
THE WOLF DEMANDS EMELYA.
EMELYA IS GIVEN TO THE WOLF.
MARCO CALLS FOR HELP FROM EREMA.
EREMA DECIDES TO SEARCH FOR EMELYA.

EREMA MEETS A DEVIL ALONG THE WAY.
THE DEVIL IS THREATENED BY EREMA.
THE DEVIL REQUESTS MERCY FROM EREMA.
EREMA SHOWS MERCY TOWARD THE DEVIL.
A MAGIC BOX IS PLACED AT THE DISPOSAL OF EREMA.
EREMA TAKES THE MAGIC BOX.
EMELYA APPEARS FROM THE MAGIC BOX.
EREMA STARTS BACK HOME WITH EMELYA.
THE WOLF PURSUES EREMA.
EREMA HIDES IN A TREE.
THE WOLF ATTEMPTS TO GNAW THROUGH THE TREE.
EREMA ESCAPES BY JUMPING TO THE OTHER TREE.
THEY RETURN HOME.

73

THE PARANOV'S LIVE IN A CERTAIN KINGDOM.
MARCO IS THE FATHER.
NICHOLAS IS THE BRAVE SON.
EMELYA ALSO LIVES IN THE SAME LAND.
FOMA IS EMELYA'S SON.
A WOLF SNEAKS INTO THE CERTAIN KINGDOM.
THE WOLF CASTS A SPELL ON FOMA.
THE WOLF EXPELS FOMA.
NICHOLAS ASKS PERMISSION TO LEAVE.
NICHOLAS DECIDES TO SEARCH FOR FOMA.
NICHOLAS LEAVES ON A SEARCH.

NICHOLAS MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT GREET'S NICHOLAS.
THE FOREST KNIGHT ASKS NICHOLAS TO ANSWER A QUESTION.
NICHOLAS ANSWERS THE QUESTION.
A MAGIC RING IS SOLD TO NICHOLAS.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC CARPET COME FROM THE MAGIC RING.
NICHOLAS TRAVELS TO THE LOCATION OF FOMA IN THE OTHER KINGDOM.
NICHOLAS TRAVELS BY THE MAGIC STEED.
NICHOLAS FINDS THE WOLF.
THEY FIGHT IN AN OPEN FIELD.
NICHOLAS DEFEATS THE WOLF WITH THE AID OF THE MAGIC SWORD.
FOMA IS FREED FROM THE SPELL BY NICHOLAS.
NICHOLAS STARTS BACK HOME WITH FOMA.
THE WOLF PACK YELLS FOR NICHOLAS.
NICHOLAS ESCAPES BY FLYING ON THE MAGIC CARPET.
THEY RETURN HOME.

74

THE POPOVICHES LIVE IN A DISTANT PROVINCE.
THE FATHER IS IVAN.
THE MOTHER IS KATRINA.
THE OLDEST DAUGHTER IS MARIA.
MARIA NEEDS A HUSBAND.
MARIA ASKS PERMISSION TO LEAVE.
MARIA DECIDES TO SEARCH FOR A HUSBAND.
MARIA LEAVES ON A SEARCH.

MARIA MEETS THE COW ALONG THE WAY.
THE COW IS DYING.
THE COW ASKS THAT MARIA EAT NOT OF HER MEAT.
MARIA IS TO GATHER AND BURY THE BONES IN THE GARDEN.
MARIA IS TO FORGET NOT THE COW.
MARIA RESPONDS BY FOLLOWING THE INSTRUCTIONS OF THE COW.
A MAGIC HEN APPEARS TO MARIA.
MARIA TRAVELS TO THE LOCATION OF A HUSBAND IN AN OTHER KINGDOM.
MARIA IS DIRECTED BY A BEGGAR.
A HUSBAND APPEARS FROM THE MAGIC HEN.
MARIA STARTS BACK HOME WITH A HUSBAND.
THEY RETURN HOME.

75

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
DUNIA IS THE MOTHER.
IVAN IS THE FATHER.
BORIS IS THE BRAVE SON.
FOMA IS THE UNLUCKY SON.
FOMA HAS THE DAYLIGHT.
DUNIA , BORIS AND FOMA ARE IN THE HUT.
DUNIA SAYS BORIS , LEAVE THE HUT.
DUNIA LEAVES TO GO TO THE FOREST.
BORIS LEAVES THE HUT.
A DRAGON SNEAKS INTO THE CERTAIN KINGDOM.
FOMA ASKS THE DRAGON WHERE IS YOUR DEATH.
THE DRAGON SAYS THAT MY DEATH IS IN A MAGIC EGG.
THE DRAGON SEIZES THE DAYLIGHT.
FOMA SENDS BORIS TO SEARCH FOR THE DAYLIGHT.
BORIS LEAVES ON A SEARCH.

BORIS MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS FIGHTING WITH A FRIEND OVER A MAGIC RING.
THE FOREST KNIGHT ASKS BORIS TO DIVIDE THE MAGIC RING.
BORIS TRICKS THE DISPUTANTS INTO LEAVING THE MAGIC RING UNPROTECTED.
THE MAGIC RING IS SEIZED BY BORIS.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC CARPET COME FROM THE MAGIC RING.
BORIS TRAVELS TO THE LOCATION OF THE DAYLIGHT IN THE OTHER KINGDOM.
BORIS TRAVELS BY THE MAGIC STEED.
BORIS SURPRISES THE DRAGON.
BORIS KILLS THE DRAGON WITH THE AID OF THE MAGIC SWORD.
THE DAYLIGHT IS OBTAINED BY BORIS.
BORIS STARTS BACK HOME WITH THE DAYLIGHT.
THE DRAGON'S WIVES ATTEMPT TO KILL BORIS.
BORIS ESCAPES BY FLYING ON THE MAGIC CARPET.
BORIS RETURNS HOME.

76

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
THE FATHER IS BORIS.
THE OLDEST SON IS FOMA.
THE MOTHER IS MARIA.
FOMA NEEDS WEALTH.
FOMA LEAVES ON A SEARCH.

FOMA MEETS A MAN ALONG THE WAY.
THE MAN IS DYING.
THE MAN ASKS THAT FOMA SPEND THREE NIGHTS BESIDE HIS GRAVE.
FOMA RESPONDS BY SITTING FOR THREE NIGHTS BY HIS GRAVE.
A MAGIC BOX APPEARS TO FOMA.
FOMA TRAVELS TO THE LOCATION OF WEALTH IN THE OTHER KINGDOM.
FOMA DESCENDS BY LEATHER STRAPS.
GOLD IS PRODUCED BY THE MAGIC BOX.
FOMA STARTS BACK HOME WITH WEALTH.
FOMA RETURNS HOME.

77

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
DUNIA IS THE MOTHER.
MARCO IS THE UNLUCKY SON.
MARCO HAS THE ANIMALS.
BORIS ALSO LIVES IN THE SAME LAND.
BORIS IS OF MIRACULOUS BIRTH.
A WOLF APPEARS IN THE CERTAIN KINGDOM.
THE WOLF PLUNDERS THE ANIMALS.
MARCO CALLS FOR HELP FROM BORIS.
BORIS DECIDES TO SEARCH FOR THE WOLF.
BORIS LEAVES ON A SEARCH.

BORIS MEETS A GIANT ALONG THE WAY.
THE GIANT IS THREATENED BY BORIS.
THE GIANT REQUESTS MERCY FROM BORIS.
BORIS SHOWS MERCY TOWARD THE GIANT.
A MAGIC RING IS GIVEN TO BORIS.
A MAGIC BOW , A MAGIC STEED AND A MAGIC BIRD COME FROM THE MAGIC RING.
BORIS TRAVELS TO THE LOCATION OF THE WOLF IN THE OTHER KINGDOM.
BORIS TRAVELS BY THE MAGIC STEED.
BORIS FINDS THE WOLF.
THEY FIGHT IN AN OPEN FIELD.
BORIS DEFEATS THE WOLF WITH THE AID OF THE MAGIC BOW.
BORIS STARTS BACK HOME.
THE WOLF PACK ATTEMPTS TO DEVOUR BORIS.
BORIS ESCAPES BY FLYING ON THE MAGIC BIRD.
BORIS RETURNS HOME.

78

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
THE FATHER IS FOMA.
MARCO IS THE UNLUCKY SON.
ELENA IS THE MOTHER.
KATRINA IS THE BRAVE DAUGHTER.
ELENA , KATRINA AND MARCO ARE IN THE TOWN.
ELENA SAYS KATRINA , DO NOT LEAVE THE TOWN.
ELENA LEAVES TO GO TO THE FOREST.
KATRINA LEAVES THE TOWN.
A BEAR SNEAKS INTO THE DISTANT PROVINCE.
MARCO ASKS THE BEAR WHERE IS YOUR DEATH.
THE BEAR SAYS THAT MY DEATH IS IN A MAGIC EGG.
THE BEAR DECLARES WAR ON MARCO.
FOMA CALLS FOR KATRINA.
FOMA ANNOUNCES THAT THE BEAR DECLARED WAR ON MARCO.
KATRINA DECIDES TO SEARCH FOR THE BEAR.
KATRINA LEAVES ON A SEARCH.

KATRINA MEETS A BULL ALONG THE WAY.
THE BULL IS FIGHTING WITH A FRIEND OVER THE SHEEP.
THE BULL ASKS KATRINA TO DIVIDE THE SHEEP.
KATRINA RECONCILES THE DISPUTE BY FAIRLY DIVIDING THE SHEEP.
A MAGIC SWORD IS GIVEN TO KATRINA.
KATRINA TRAVELS TO THE LOCATION OF THE BEAR IN AN OTHER KINGDOM.
KATRINA TRAVELS ON A SHIP.
KATRINA FINDS THE BEAR.
THEY FIGHT IN AN OPEN FIELD.
KATRINA IS WOUNDED.
KATRINA DEFEATS THE BEAR WITH THE AID OF THE MAGIC SWORD.
KATRINA STARTS BACK HOME.
THE BEAR'S FATHER ATTEMPTS TO KILL KATRINA.
KATRINA ESCAPES BY AVOIDING BEING KILLED.
KATRINA RETURNS HOME.

79

THE PARANOV'S LIVE IN A DISTANT PROVINCE.
ELENA IS THE MOTHER.
THE FATHER IS NICHOLAS.
DUNIA IS THE UNLUCKY DAUGHTER.
EMELYA ALSO LIVES IN THE SAME LAND.
EMELYA IS OF MIRACULOUS BIRTH.
BABAYAGA WALKS INTO THE DISTANT PROVINCE.
DUNIA ASKS BABAYAGA WHERE IS YOUR DEATH.
BABAYAGA SAYS THAT MY DEATH IS IN A MAGIC EGG.
BABAYAGA MURDERS DUNIA.
NICHOLAS CALLS FOR HELP FROM EMELYA.
EMELYA LEAVES ON A SEARCH.

EMELYA MEETS A JUG ALONG THE WAY.
THE JUG IS IMPRISONED.
THE JUG ASKS TO BE FREED.
EMELYA FREES THE JUG.
A MAGIC RING IS FOUND BY EMELYA.
A MAGIC SWORD , A MAGIC BIRD AND A MAGIC STEED COME FROM THE MAGIC RING.
EMELYA TRAVELS TO THE LOCATION OF DUNIA IN AN OTHER KINGDOM.
EMELYA TRAVELS ON THE MAGIC STEED.
EMELYA FINDS BABAYAGA.
THEY FIGHT IN AN OPEN FIELD.
EMELYA DEFEATS BABAYAGA WITH THE AID OF THE MAGIC SWORD.
EMELYA STARTS BACK HOME WITH DUNIA.
BABAYAGA'S DAUGHTER PURSUES EMELYA.
EMELYA HIDES IN A TREE.
BABAYAGA'S DAUGHTER ATTEMPTS TO GNAW THROUGH THE TREE.
EMELYA ESCAPES BY FLYING ON THE MAGIC BIRD.
THEY RETURN HOME.

80

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
IVAN IS THE FATHER.
MARIA IS THE BRAVE DAUGHTER.
VASILISA ALSO LIVES IN THE SAME LAND.
BORIS IS VASILISA'S SON.
A BEAR SNEAKS INTO THE CERTAIN KINGDOM.
THE BEAR DISGUISES HIMSELF AS A YOUNG MAN.
THE BEAR ATTEMPTS TO PERSUADE BORIS TO TAKE A MAGIC RING.
BORIS IS PERSUADED TO TAKE THE MAGIC RING.
BORIS FALLS ASLEEP.
THE BEAR ABDUCTS BORIS.
VASILISA CALLS FOR HELP FROM MARIA.
MARIA LEAVES ON A SEARCH.

MARIA MEETS A DEVIL ALONG THE WAY.
THE DEVIL ATTEMPTS TO KILL MARIA BY ROASTING.
MARIA KILLS THE DEVIL BY ROASTING.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC BIRD ARE FOUND BY MARIA.
MARIA TRAVELS TO THE LOCATION OF BORIS IN THE OTHER KINGDOM.
MARIA TRAVELS BY THE MAGIC STEED.
MARIA SURPRISES THE BEAR.
MARIA KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
BORIS IS SEIZED BY MARIA.
MARIA STARTS BACK HOME WITH BORIS.
THEY RETURN HOME.

81

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
EMELYA IS THE UNLUCKY SON.
THE FATHER IS EREMA.
MARCO ALSO LIVES IN THE SAME LAND.
MARCO IS OF MIRACULOUS BIRTH.
BABAYAGA APPEARS IN THE CERTAIN KINGDOM.
BABAYAGA ASKS A VILLAGER WHERE IS EMELYA.
THE VILLAGER SAYS THAT EMELYA IS IN THE FIELDS.
BABAYAGA THREATENS TO EAT EMELYA.
MARCO MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT BABAYAGA THREATENED TO EAT EMELYA.
MARCO DECIDES TO SEARCH FOR BABAYAGA.
MARCO LEAVES ON A SEARCH.

MARCO MEETS A WITCH ALONG THE WAY.
THE WITCH GREET'S MARCO.
THE WITCH ASKS MARCO TO ANSWER A QUESTION.
MARCO DOES NOT RESPOND.
THE WITCH ASKS AGAIN.
MARCO RESPONDS RUDELY.
THE WITCH ASKS FOR THE THIRD TIME.
MARCO ANSWERS THE QUESTION.
A MAGIC RING IS SOLD TO MARCO.
A MAGIC BOW , A MAGIC BIRD AND A MAGIC STEED COME FROM THE MAGIC RING.
MARCO TRAVELS TO THE LOCATION OF BABAYAGA IN THE OTHER KINGDOM.
MARCO TRAVELS BY THE MAGIC BIRD.
MARCO FINDS BABAYAGA.
THEY FIGHT IN AN OPEN FIELD.
MARCO DEFEATS BABAYAGA WITH THE AID OF THE MAGIC BOW.
MARCO STARTS BACK HOME.
MARCO RETURNS HOME.

82

THE BORISIEVICHES LIVE IN A DISTANT PROVINCE.
EMELYA IS THE FATHER.
KATRINA IS THE BRAVE DAUGHTER.
BORIS WHO OWNS CROPS ALSO LIVES IN THE SAME LAND.
A BEAR APPEARS IN THE DISTANT PROVINCE.
THE BEAR PILLAGES THE CROPS.
BORIS CALLS FOR KATRINA.
BORIS ANNOUNCES THAT THE BEAR PILLAGED THE CROPS.
KATRINA DECIDES TO SEARCH FOR THE BEAR.

KATRINA MEETS AN OLD MAN ALONG THE WAY.
THE OLD MAN OFFERS A MAGIC BOW , A MAGIC STEED AND A MAGIC CARPET.
THEY ARE OFFERED TO KATRINA FOR EXCHANGE.
KATRINA AGREES TO EXCHANGE.
KATRINA USES THE MAGIC BOW TO KILL THE OLD MAN.
KATRINA TRAVELS TO THE LOCATION OF THE BEAR IN AN OTHER KINGDOM.
KATRINA TRAVELS BY THE MAGIC STEED.
KATRINA FINDS THE BEAR.
THEY FIGHT IN AN OPEN FIELD.
KATRINA IS WOUNDED.
KATRINA DEFEATS THE BEAR WITH THE AID OF THE MAGIC BOW.
KATRINA STARTS BACK HOME.
KATRINA RETURNS HOME.

83

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
ALIOSHA IS THE BRAVE SON.
ELENA IS THE MOTHER.
EREMA IS THE FATHER.
BALDAK ALSO LIVES IN THE SAME LAND.
A WOLF SNEAKS INTO THE CERTAIN KINGDOM.
THE WOLF ASKS A VILLAGER WHERE IS BALDAK.
THE VILLAGER SAYS THAT BALDAK IS IN THE HUT.
THE WOLF PLUCKS OUT BALDAK'S EYE.
BALDAK CALLS FOR HELP FROM ALIOSHA.
ALIOSHA LEAVES ON A SEARCH.

ALIOSHA MEETS A STOVE ALONG THE WAY.
THE STOVE PROPOSES THAT ALIOSHA EAT THE MEAL WHICH IT HAS PREPARED.
ALIOSHA DOES NOT RESPOND.
THE STOVE ASKS AGAIN.
ALIOSHA REFUSES.
THE STOVE ASKS FOR THE THIRD TIME.
ALIOSHA RESPONDS BY PARTAKING OF THE MEAL.
A MAGIC POTION IS CONSUMED BY ALIOSHA.
ALIOSHA OBTAINS THE ABILITY TO FLY.
ALIOSHA TRAVELS TO THE LOCATION OF THE EYE IN THE OTHER KINGDOM.
ALIOSHA TRAVELS BY THE ABILITY TO FLY.
THE EYE IS SEIZED BY ALIOSHA.
ALIOSHA STARTS BACK HOME WITH THE EYE.
THE WOLF ATTEMPTS TO DEVOUR ALIOSHA.
ALIOSHA ESCAPES BY FLYING USING THE ABILITY TO FLY.
ALIOSHA RETURNS HOME.

84

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
THE FATHER IS EMELYA.
MARIA IS THE MOTHER.
ELENA IS THE UNLUCKY DAUGHTER.
EREMA ALSO LIVES IN THE SAME LAND.
EREMA IS OF MIRACULOUS BIRTH.
A BEAR SNEAKS INTO THE DISTANT PROVINCE.
THE BEAR DISGUISES HIMSELF AS A YOUNG MAN.
THE BEAR USES A SLEEPING POTION ON ELENA.
ELENA FALLS ASLEEP.
THE BEAR DEMANDS ELENA.
EMELYA REFUSES.
EMELYA CALLS FOR EREMA.
EMELYA ANNOUNCES THAT THE BEAR DEMANDED ELENA.
EREMA DECIDES TO SEARCH FOR THE BEAR.
EREMA LEAVES ON A SEARCH.

EREMA MEETS A BULL ALONG THE WAY.
THE BULL OFFERS A MAGIC SWORD , A MAGIC BIRD AND A MAGIC CARPET.
THEY ARE OFFERED TO EREMA FOR EXCHANGE.
EREMA AGREES TO EXCHANGE.
EREMA USES THE MAGIC SWORD TO KILL THE BULL.
EREMA TRAVELS TO THE LOCATION OF THE BEAR IN AN OTHER KINGDOM.
EREMA TRAVELS BY THE MAGIC BIRD.
EREMA SURPRISES THE BEAR.
EREMA KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
EREMA STARTS BACK HOME.
THE BEAR'S FATHER ATTEMPTS TO DEVOUR EREMA.
EREMA ESCAPES BY FLYING ON THE MAGIC CARPET.
EREMA RETURNS HOME.

85

THE PARANOV'S LIVE IN A CERTAIN KINGDOM.
MARTHA IS THE BRAVE DAUGHTER.
ALIOSHA IS THE FATHER.
BALDAK WHO OWNS CROPS ALSO LIVES IN THE SAME LAND.
A BEAR SNEAKS INTO THE CERTAIN KINGDOM.
THE BEAR DISGUISES HIMSELF AS AN OLD LADY.
THE BEAR USES A SLEEPING POTION ON BALDAK.
BALDAK FALLS ASLEEP.
THE BEAR PILLAGES THE CROPS.
BALDAK SENDS MARTHA TO SEARCH FOR THE BEAR.
MARTHA LEAVES ON A SEARCH.

MARTHA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT ATTEMPTS TO KILL MARTHA BY BEHEADING.
MARTHA KILLS THE FOREST KNIGHT BY BEHEADING.
A MAGIC BOW IS SEIZED BY MARTHA.
MARTHA TRAVELS TO THE LOCATION OF THE BEAR IN THE OTHER KINGDOM.
MARTHA IS DIRECTED BY A BEGGAR.
MARTHA SURPRISES THE BEAR.
MARTHA KILLS THE BEAR WITH THE AID OF THE MAGIC BOW.
MARTHA STARTS BACK HOME.
THE BEAR'S FATHER FLIES AFTER MARTHA.
MARTHA ESCAPES BY FLYING ON A GOOSE.
MARTHA RETURNS HOME.

86

THE BERENNIKOV'S LIVE IN A CERTAIN KINGDOM.
THE MOTHER IS MARIA.
THE OLDEST DAUGHTER IS MARTHA.
MARTHA NEEDS WEALTH.
MARTHA DECIDES TO SEARCH FOR WEALTH.
MARTHA LEAVES ON A SEARCH.

MARTHA MEETS A BULL ALONG THE WAY.
THE BULL IS FIGHTING WITH A FRIEND OVER BONES.
THE BULL ASKS MARTHA TO DIVIDE THE BONES.
MARTHA RECONCILES THE DISPUTE BY FAIRLY DIVIDING THE BONES.
A MAGIC CARPET, A MAGIC BIRD AND A MAGIC BOX ARE GIVEN TO MARTHA.
MARTHA TRAVELS TO THE LOCATION OF WEALTH IN THE OTHER KINGDOM.
MARTHA TRAVELS BY THE MAGIC CARPET.
GOLD IS PRODUCED BY THE MAGIC BOX.
MARTHA STARTS BACK HOME WITH WEALTH.
MARTHA RETURNS HOME.

87

THE POPOVICHES LIVE IN A DISTANT PROVINCE.
THE FATHER IS BORIS.
MARTHA IS THE MOTHER.
NICHOLAS IS THE UNLUCKY SON.
KATRINA ALSO LIVES IN THE SAME LAND.
KATRINA IS OF MIRACULOUS BIRTH.
A WOLF FLIES INTO THE DISTANT PROVINCE.
THE WOLF CASTS A SPELL ON NICHOLAS.
NICHOLAS IS REPLACED WITH THE WOLF'S SON.
BORIS DISCOVERS THE SUBSTITUTION.
BORIS CALLS FOR HELP FROM KATRINA.
KATRINA DECIDES TO SEARCH FOR NICHOLAS.
KATRINA LEAVES ON A SEARCH.

KATRINA MEETS A WITCH ALONG THE WAY.
THE WITCH PROPOSES THAT KATRINA LISTEN TO THE GUSLA WITHOUT FALLING ASLEEP.
KATRINA FAILS.
KATRINA TRIES AGAIN.
KATRINA FAILS AGAIN.
KATRINA TRIES FOR THE THIRD TIME.
KATRINA RESPONDS BY STAYING AWAKE WHILE LISTENING TO THE GUSLA.
A MAGIC POTION IS CONSUMED BY KATRINA.
KATRINA OBTAINS INCREDIBLE SPEED.
KATRINA TRAVELS TO THE LOCATION OF NICHOLAS IN AN OTHER KINGDOM.
KATRINA TRAVELS ON INCREDIBLE SPEED.
NICHOLAS IS FREED FROM THE SPELL BY KATRINA.
KATRINA STARTS BACK HOME WITH NICHOLAS.
THE WOLF TEMPTS KATRINA BY CHANGING INTO AN ALLURING OBJECT.
KATRINA ESCAPES BY FLYING USING INCREDIBLE SPEED.
THEY RETURN HOME.

88

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
ALIOSHA IS THE BRAVE SON.
BORIS IS THE FATHER.
VASILISA IS THE MOTHER.
KATRINA ALSO LIVES IN THE SAME LAND.
DUNIA IS KATRINA'S DAUGHTER.
A WOLF WALKS INTO THE CERTAIN KINGDOM.
THE WOLF ABDUCTS DUNIA.
KATRINA SENDS ALIOSHA TO SEARCH FOR DUNIA.
ALIOSHA LEAVES ON A SEARCH.

ALIOSHA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT BRAWLS IN A FOREST HUT WITH ALIOSHA.
ALIOSHA DEFEATS THE FOREST KNIGHT.
A MAGIC BOW , A MAGIC CARPET AND A MAGIC STEED ARE SHOWN TO ALIOSHA.
ALIOSHA TAKES THEM.
ALIOSHA TRAVELS TO THE LOCATION OF DUNIA IN THE OTHER KINGDOM.
ALIOSHA TRAVELS BY THE MAGIC CARPET.
ALIOSHA FINDS THE WOLF.
THEY FIGHT IN AN OPEN FIELD.
ALIOSHA DEFEATS THE WOLF WITH THE AID OF THE MAGIC BOW.
DUNIA APPEARS TO ALIOSHA.
ALIOSHA STARTS BACK HOME WITH DUNIA.
THEY RETURN HOME.

89

THE MOREVIAS LIVE IN A CERTAIN KINGDOM.
EREMA IS THE FATHER.
MARTHA IS THE BRAVE DAUGHTER.
VASILISA WHO OWNS CROPS ALSO LIVES IN THE SAME LAND.
BABAYAGA SNEAKS INTO THE CERTAIN KINGDOM.
BABAYAGA PILLAGES THE CROPS.
MARTHA ASKS PERMISSION TO LEAVE.
MARTHA DECIDES TO SEARCH FOR BABAYAGA.
MARTHA LEAVES ON A SEARCH.

MARTHA MEETS A GIANT ALONG THE WAY.
THE GIANT IS THREATENED BY MARTHA.
THE GIANT REQUESTS MERCY FROM MARTHA.
MARTHA SHOWS MERCY TOWARD THE GIANT.
A MAGIC FLINT IS GIVEN TO MARTHA.
A MAGIC BOW COMES FROM THE MAGIC FLINT.
MARTHA TRAVELS TO THE LOCATION OF BABAYAGA IN THE OTHER KINGDOM.
MARTHA TRAVELS ON A SHIP.
MARTHA FINDS BABAYAGA.
THEY FIGHT IN AN OPEN FIELD.
MARTHA IS WOUNDED.
MARTHA DEFEATS BABAYAGA WITH THE AID OF THE MAGIC BOW.
MARTHA STARTS BACK HOME.
MARTHA RETURNS HOME.

90

THE BORISIEVICHES LIVE IN A DISTANT PROVINCE.
THE OLDEST SON IS ALIOSHA.
THE MOTHER IS ELENA.
THE FATHER IS VLADIMIR.
ALIOSHA NEEDS A GOLD DUCK.
ALIOSHA DECIDES TO SEARCH FOR THE GOLD DUCK.
ALIOSHA LEAVES ON A SEARCH.

ALIOSHA MEETS A COW ALONG THE WAY.
THE COW ATTEMPTS TO KILL ALIOSHA BY ROASTING.
ALIOSHA KILLS THE COW BY ROASTING.
A MAGIC FLINT IS FOUND BY ALIOSHA.
A MAGIC BIRD , A MAGIC CARPET AND A MAGIC HEN COME FROM THE MAGIC FLINT.
ALIOSHA TRAVELS TO THE LOCATION OF THE GOLD DUCK IN AN OTHER KINGDOM.
ALIOSHA TRAVELS BY THE MAGIC CARPET.
THE GOLD DUCK APPEARS FROM THE MAGIC HEN.
ALIOSHA STARTS BACK HOME WITH THE GOLD DUCK.
ALIOSHA RETURNS HOME.

91

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
THE MOTHER IS ELENA.
THE FATHER IS FOMA.
FOMA NEEDS THE EGG OF DEATH.
ELENA SENDS FOMA TO SEARCH FOR THE EGG OF DEATH.
FOMA LEAVES ON A SEARCH.

FOMA MEETS THE COW ALONG THE WAY.
THE COW IS DYING.
THE COW ASKS THAT FOMA EAT NOT OF HER MEAT.
FOMA IS TO GATHER AND BURY THE BONES IN THE GARDEN.
FOMA IS TO FORGET NOT THE COW.
FOMA DOES NOT RESPOND.
THE COW ASKS AGAIN.
FOMA REFUSES.
THE COW ASKS FOR THE THIRD TIME.
FOMA RESPONDS BY FOLLOWING THE INSTRUCTIONS OF THE COW.
A MAGIC BOX IS GIVEN TO FOMA.
FOMA TRAVELS TO THE LOCATION OF THE EGG OF DEATH IN THE OTHER KINGDOM.
FOMA CLIMBS A STAIRWAY.
THE EGG OF DEATH APPEARS FROM THE MAGIC BOX.
FOMA STARTS BACK HOME WITH THE EGG OF DEATH.
FOMA RETURNS HOME.

92

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.
VLADIMIR IS THE OLDEST SON.
BORIS IS THE FATHER.
KATRINA IS THE MOTHER.
MARIA IS THE UNLUCKY DAUGHTER.
NICHOLAS ALSO LIVES IN THE SAME LAND.
NICHOLAS IS OF MIRACULOUS BIRTH.
BABAYAGA APPEARS IN THE CERTAIN KINGDOM.
BABAYAGA ASKS A VILLAGER WHERE IS MARIA.
THE VILLAGER SAYS THAT MARIA IS IN THE TOWN.
BABAYAGA ORDERS MARIA INTO THE SEA.
VLADIMIR CALLS FOR HELP FROM NICHOLAS.
NICHOLAS DECIDES TO SEARCH FOR MARIA.
NICHOLAS LEAVES ON A SEARCH.

NICHOLAS MEETS A GIANT ALONG THE WAY.
THE GIANT BRAWLS IN A FOREST HUT WITH NICHOLAS.
THE GIANT TWICE REPELS NICHOLAS.
THEY FIGHT FOR THE THIRD TIME.
NICHOLAS DEFEATS THE GIANT.
A MAGIC BOW , A MAGIC BIRD AND A MAGIC HEN ARE SHOWN TO NICHOLAS.
NICHOLAS TAKES THEM.
MARIA APPEARS FROM THE MAGIC HEN.
NICHOLAS STARTS BACK HOME WITH MARIA.
BABAYAGA ATTEMPTS TO DEVOUR NICHOLAS.
NICHOLAS ESCAPES BY FLYING ON THE MAGIC BIRD.
THEY RETURN HOME.

93

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
MARCO IS THE FATHER.
EREMA IS THE BRAVE SON.
FOMA ALSO LIVES IN THE SAME LAND.
ALIOSHA IS FOMA'S SON.
BABAYAGA SNEAKS INTO THE DISTANT PROVINCE.
BABAYAGA CAUSES THE DISAPPEARANCE OF ALIOSHA.
FOMA CALLS FOR EREMA.
FOMA ANNOUNCES THAT BABAYAGA CAUSED THE DISAPPEARANCE OF ALIOSHA.
EREMA LEAVES ON A SEARCH.

EREMA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS IMPRISONED.
THE FOREST KNIGHT ASKS TO BE FREED.
EREMA FREES THE FOREST KNIGHT.
A MAGIC FLINT IS SEIZED BY EREMA.
A MAGIC BOX COMES FROM THE MAGIC FLINT.
ALIOSHA APPEARS FROM THE MAGIC BOX.
EREMA STARTS BACK HOME WITH ALIOSHA.
BABAYAGA CHASES AFTER EREMA.
EREMA ESCAPES BY FLYING ON A FALCON.
THEY RETURN HOME.

94

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
DUNIA IS THE MOTHER.
THE FATHER IS BORIS.
ALIOSHA IS THE UNLUCKY SON.
BALDAK IS THE BRAVE SON.
EREMA IS THE WICKED SON.
EREMA HATES ALIOSHA.
EREMA ASKS A VILLAGER WHERE IS ALIOSHA.
THE VILLAGER SAYS THAT ALIOSHA IS IN THE TOWN.
EREMA THREATENS TO EAT ALIOSHA.
BORIS CALLS FOR HELP FROM BALDAK.
BALDAK DECIDES TO SEARCH FOR HELP.
BALDAK LEAVES ON A SEARCH.

BALDAK MEETS A WITCH ALONG THE WAY.
THE WITCH PROPOSES BALDAK LISTEN TO THE GUSLA WITHOUT FALLING ASLEEP.
BALDAK FAILS.
BALDAK TRIES AGAIN.
BALDAK FAILS AGAIN.
BALDAK TRIES FOR THE THIRD TIME.
BALDAK RESPONDS BY STAYING AWAKE WHILE LISTENING TO THE GUSLA.
A MAGIC BOW , A MAGIC BIRD AND A MAGIC STEED ARE GIVEN TO BALDAK.
BALDAK RETURNS HOME.
BALDAK TRAVELS BY THE MAGIC STEED.
BALDAK FINDS EREMA.
THEY FIGHT IN AN OPEN FIELD.
BALDAK IS WOUNDED.
BALDAK DEFEATS EREMA WITH THE AID OF THE MAGIC BOW.

95

THE BORISIEVICHES LIVE IN A DISTANT PROVINCE.
THE FATHER IS ALIOSHA.
EREMA IS THE UNLUCKY SON.
BORIS ALSO LIVES IN THE SAME LAND.
BORIS IS OF MIRACULOUS BIRTH.
BABAYAGA APPEARS IN THE DISTANT PROVINCE.
BABAYAGA DISGUISES HERSELF AS A YOUNG MAN.
BABAYAGA USES A SLEEPING POTION ON EREMA.
EREMA FALLS ASLEEP.
BABAYAGA IMPRISONS EREMA.
ALIOSHA CALLS FOR BORIS.
ALIOSHA ANNOUNCES THAT BABAYAGA IMPRISONED EREMA.
BORIS DECIDES TO SEARCH FOR EREMA.
BORIS LEAVES ON A SEARCH.

BORIS MEETS AN OLD MAN ALONG THE WAY.
THE OLD MAN IS FIGHTING WITH A FRIEND OVER BONES.
THE OLD MAN ASKS BORIS TO DIVIDE THE BONES.
BORIS RECONCILES THE DISPUTE BY FAIRLY DIVIDING THE BONES.
A MAGIC RING IS GIVEN TO BORIS.
A MAGIC SWORD COMES FROM THE MAGIC RING.
BORIS TRAVELS TO THE LOCATION OF EREMA IN AN OTHER KINGDOM.
BORIS IS LED BY A FOX.
BORIS FINDS BABAYAGA.
THEY FIGHT IN AN OPEN FIELD.
BORIS DEFEATS BABAYAGA WITH THE AID OF THE MAGIC SWORD.
EREMA IS OBTAINED BY BORIS.
BORIS STARTS BACK HOME WITH EREMA.
THEY RETURN HOME.

96

THE BERENNIKOVS LIVE IN A DISTANT PROVINCE.
VASILISA IS THE UNLUCKY DAUGHTER.
ALIOSHA IS THE FATHER.
THE MOTHER IS DUNIA.
KATRINA ALSO LIVES IN THE SAME LAND.
KATRINA IS OF MIRACULOUS BIRTH.
A DRAGON SNEAKS INTO THE DISTANT PROVINCE.
THE DRAGON THREATENS TO MARRY VASILISA.
KATRINA MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT THE DRAGON THREATENED TO MARRY VASILISA.
KATRINA LEAVES ON A SEARCH.

KATRINA MEETS A DEVIL ALONG THE WAY.
THE DEVIL GREETES KATRINA.
THE DEVIL ASKS KATRINA TO ANSWER A QUESTION.
KATRINA ANSWERS THE QUESTION.
A MAGIC FLINT IS SOLD TO KATRINA.
A MAGIC BIRD COMES FROM THE MAGIC FLINT.
KATRINA TRAVELS TO THE LOCATION OF THE DRAGON IN AN OTHER KINGDOM.
KATRINA TRAVELS BY THE MAGIC BIRD.
KATRINA FINDS THE DRAGON.
THEY ENGAGE IN A COMPETITION.
KATRINA WINS WITH HELP OF CLEVERNESS.
KATRINA STARTS BACK HOME.
KATRINA RETURNS HOME.

97

THE MOREVNAS LIVE IN A CERTAIN KINGDOM.

ALIOSHA IS THE FATHER.

VASILISA IS THE MOTHER.

BORIS IS THE UNLUCKY SON.

BORIS HAS CROPS.

EMELYA ALSO LIVES IN THE SAME LAND.

EMELYA IS OF MIRACULOUS BIRTH.

BABAYAGA FLYS INTO THE CERTAIN KINGDOM.

BABAYAGA ASKS A VILLAGER WHERE ARE THE CROPS.

THE VILLAGER SAYS THAT THE CROPS ARE IN THE HUT.

BABAYAGA PILLAGES THE CROPS.

BORIS CALLS FOR EMELYA.

BORIS ANNOUNCES THAT BABAYAGA PILLAGED THE CROPS.

EMELYA DECIDES TO SEARCH FOR BABAYAGA.

EMELYA LEAVES ON A SEARCH.

EMELYA MEETS A FOREST KNIGHT ALONG THE WAY.

THE FOREST KNIGHT GREETES EMELYA.

THE FOREST KNIGHT ASKS EMELYA TO ANSWER A QUESTION.

EMELYA DOES NOT RESPOND.

THE FOREST KNIGHT ASKS AGAIN.

EMELYA RESPONDS RUDELY.

THE FOREST KNIGHT ASKS FOR THE THIRD TIME.

EMELYA ANSWERS THE QUESTION.

A MAGIC SWORD IS GIVEN TO EMELYA.

EMELYA TRAVELS TO THE LOCATION OF BABAYAGA IN THE OTHER KINGDOM.

EMELYA IS DIRECTED BY A HEDGEHOG.

EMELYA SURPRISES BABAYAGA.

EMELYA KILLS BABAYAGA WITH THE AID OF THE MAGIC SWORD.

EMELYA STARTS BACK HOME.

EMELYA RETURNS HOME.

98

THE BORISIEVICHES LIVE IN A CERTAIN KINGDOM.

THE FATHER IS EREMA.

THE OLDEST DAUGHTER IS MARIA.

MARIA NEEDS A HUSBAND.

MARIA LEAVES ON A SEARCH.

MARIA MEETS A DEVIL ALONG THE WAY.

THE DEVIL IS THREATENED BY MARIA.

THE DEVIL REQUESTS MERCY FROM MARIA.

MARIA SHOWS MERCY TOWARD THE DEVIL.

A MAGIC BIRD , A MAGIC STEED AND A MAGIC BOX ARE SEIZED BY MARIA.

MARIA TRAVELS TO THE LOCATION OF A HUSBAND IN THE OTHER KINGDOM.

MARIA TRAVELS BY THE MAGIC STEED.

A HUSBAND APPEARS FROM THE MAGIC BOX.

MARIA STARTS BACK HOME WITH A HUSBAND.

THEY RETURN HOME.

99

THE BORISIEVICHES LIVE IN A DISTANT PROVINCE.
VLADIMIR IS THE BRAVE SON.
KATRINA IS THE MOTHER.
EREMA IS THE FATHER.
DUNIA ALSO LIVES IN THE SAME LAND.
VASILISA IS DUNIA'S DAUGHTER.
A BEAR APPEARS IN THE DISTANT PROVINCE.
THE BEAR TORMENTS VASILISA AT NIGHT.
DUNIA CALLS FOR VLADIMIR.
DUNIA ANNOUNCES THAT THE BEAR TORMENTED VASILISA.
VLADIMIR DECIDES TO SEARCH FOR THE BEAR.
VLADIMIR LEAVES ON A SEARCH.

VLADIMIR MEETS A GIANT ALONG THE WAY.
THE GIANT ATTEMPTS TO KILL VLADIMIR BY FEEDING TO RATS.
VLADIMIR KILLS THE GIANT BY FEEDING TO RATS.
A MAGIC RING IS FOUND BY VLADIMIR.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC BIRD COME FROM THE MAGIC RING.
VLADIMIR TRAVELS TO THE LOCATION OF THE BEAR IN AN OTHER KINGDOM.
VLADIMIR TRAVELS BY THE MAGIC STEED.
VLADIMIR SURPRISES THE BEAR.
VLADIMIR KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
VLADIMIR STARTS BACK HOME.
THE BEAR'S FATHER ATTEMPTS TO KILL VLADIMIR.
VLADIMIR ESCAPES BY FLYING ON THE MAGIC BIRD.
VLADIMIR RETURNS HOME.

100

THE MOREVNAS LIVE IN A CERTAIN KINGDOM.
THE FATHER IS IVAN.
THE MOTHER IS VASILISA.
VASILISA NEEDS A GOLD DUCK.
IVAN SENDS VASILISA TO SEARCH FOR THE GOLD DUCK.
VASILISA LEAVES ON A SEARCH.

VASILISA MEETS A COW ALONG THE WAY.
THE COW IS THREATENED BY VASILISA.
THE COW REQUESTS MERCY FROM VASILISA.
VASILISA SHOWS MERCY TOWARD THE COW.
A MAGIC HEN IS GIVEN TO VASILISA.
VASILISA TRAVELS TO THE LOCATION OF THE GOLD DUCK IN THE OTHER KINGDOM.
VASILISA IS DIRECTED BY A HEDGEHOG.
THE GOLD DUCK APPEARS FROM THE MAGIC HEN.
VASILISA STARTS BACK HOME WITH THE GOLD DUCK.
VASILISA RETURNS HOME.

101

THE BERENNIKOV'S LIVE IN A DISTANT PROVINCE.
EREMA IS THE UNLUCKY SON.
THE FATHER IS NICHOLAS.
BORIS ALSO LIVES IN THE SAME LAND.
BORIS IS OF MIRACULOUS BIRTH.
BABAYAGA APPEARS IN THE DISTANT PROVINCE.
BABAYAGA DISGUISES HERSELF AS A BIRD.
BABAYAGA ATTEMPTS TO PERSUADE EREMA TO TAKE A SWIM.
EREMA IS PERSUADED TO TAKE A SWIM.
EREMA FALLS ASLEEP.
BABAYAGA THREATENS TO EAT EREMA.
NICHOLAS SENDS BORIS TO SEARCH FOR BABAYAGA.
BORIS LEAVES ON A SEARCH.

BORIS MEETS A BULL ALONG THE WAY.
THE BULL GREET'S BORIS.
THE BULL ASKS BORIS TO ANSWER A QUESTION.
BORIS DOES NOT RESPOND.
THE BULL ASKS AGAIN.
BORIS RESPONDS RUDELY.
THE BULL ASKS FOR THE THIRD TIME.
BORIS ANSWERS THE QUESTION.
A MAGIC SWORD , A MAGIC CARPET AND A MAGIC STEED ARE SHOWN TO BORIS.
BORIS TAKES THEM.
BORIS TRAVELS TO THE LOCATION OF BABAYAGA IN AN OTHER KINGDOM.
BORIS TRAVELS ON THE MAGIC STEED.
BORIS FINDS BABAYAGA.
THEY FIGHT IN AN OPEN FIELD.
BORIS DEFEATS BABAYAGA WITH THE AID OF THE MAGIC SWORD.
BORIS STARTS BACK HOME.
BORIS RETURNS HOME.

102

THE BERENNIKOV'S LIVE IN A DISTANT PROVINCE.
THE OLDEST SON IS FOMA.
THE MOTHER IS KATRINA.
THE FATHER IS NICHOLAS.
FOMA NEEDS A BRIDE.
FOMA ASKS PERMISSION TO LEAVE.
FOMA LEAVES ON A SEARCH.

FOMA MEETS A GIANT ALONG THE WAY.
THE GIANT IS FIGHTING WITH A FRIEND OVER THE SHEEP.
THE GIANT ASKS FOMA TO DIVIDE THE SHEEP.
FOMA RECONCILES THE DISPUTE BY FAIRLY DIVIDING THE SHEEP.
A MAGIC CARPET , A MAGIC BIRD AND A MAGIC BOX ARE GIVEN TO FOMA.
FOMA TRAVELS TO THE LOCATION OF A BRIDE IN AN OTHER KINGDOM.
FOMA TRAVELS BY THE MAGIC BIRD.
A BRIDE APPEARS FROM THE MAGIC BOX.
FOMA STARTS BACK HOME WITH A BRIDE.
THEY RETURN HOME.

103

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
FOMA IS THE FATHER.
THE MOTHER IS ELENA.
MARTHA IS THE UNLUCKY DAUGHTER.
EREMA ALSO LIVES IN THE SAME LAND.
EREMA IS OF MIRACULOUS BIRTH.
A DRAGON APPEARS IN THE CERTAIN KINGDOM.
THE DRAGON DISGUISES HIMSELF AS AN OLD LADY.
THE DRAGON USES A SLEEPING POTION ON MARTHA.
MARTHA FALLS ASLEEP.
THE DRAGON THREATENS TO MARRY MARTHA.
ELENA SENDS EREMA TO SEARCH FOR THE DRAGON.
EREMA LEAVES ON A SEARCH.

EREMA MEETS A BULL ALONG THE WAY.
THE BULL ATTEMPTS TO KILL EREMA BY ROASTING.
EREMA KILLS THE BULL BY ROASTING.
A MAGIC FLINT IS SEIZED BY EREMA.
A MAGIC SWORD , A MAGIC BIRD AND A MAGIC CARPET COME FROM THE MAGIC FLINT.
EREMA TRAVELS TO THE LOCATION OF THE DRAGON IN THE OTHER KINGDOM.
EREMA TRAVELS BY THE MAGIC CARPET.
EREMA SURPRISES THE DRAGON.
EREMA KILLS THE DRAGON WITH THE AID OF THE MAGIC SWORD.
EREMA STARTS BACK HOME.
THE DRAGON'S WIVES CHASE AFTER EREMA.
EREMA ESCAPES BY FLYING ON THE MAGIC BIRD.
EREMA RETURNS HOME.

104

THE BERENNIKOVS LIVE IN A CERTAIN KINGDOM.
BORIS IS THE FATHER.
KATRINA IS THE MOTHER.
EREMA IS THE BRAVE SON.
IVAN ALSO LIVES IN THE SAME LAND.
MARIA IS IVAN'S DAUGHTER.
A BEAR SNEAKS INTO THE CERTAIN KINGDOM.
MARIA ASKS THE BEAR WHERE IS YOUR DEATH.
THE BEAR SAYS THAT MY DEATH IS IN A MAGIC EGG.
THE BEAR ABDUCTS MARIA.
IVAN CALLS FOR HELP FROM EREMA.
EREMA DECIDES TO SEARCH FOR MARIA.
EREMA LEAVES ON A SEARCH.

EREMA MEETS A GIANT ALONG THE WAY.
THE GIANT IS IMPRISONED.
THE GIANT ASKS TO BE FREED.
EREMA FREES THE GIANT.
A MAGIC RING IS PLACED AT THE DISPOSAL OF EREMA.
EREMA TAKES THE MAGIC RING.
A MAGIC SWORD , A MAGIC STEED AND A MAGIC CARPET COME FROM THE MAGIC RING.
EREMA TRAVELS TO THE LOCATION OF MARIA IN THE OTHER KINGDOM.
EREMA TRAVELS BY THE MAGIC STEED.
EREMA SURPRISES THE BEAR.
EREMA KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
MARIA IS OBTAINED BY EREMA.
EREMA STARTS BACK HOME WITH MARIA.
THE BEAR'S FATHER CHASES AFTER EREMA.
EREMA ESCAPES BY FLYING ON THE MAGIC CARPET.
THEY RETURN HOME.

105

THE BERENNIKOV'S LIVE IN A CERTAIN KINGDOM.
BORIS IS THE UNLUCKY SON.
BORIS HAS THE CATTLE.
KATRINA IS THE MOTHER.
VLADIMIR IS THE FATHER.
FOMA ALSO LIVES IN THE SAME LAND.
FOMA IS OF MIRACULOUS BIRTH.
A WOLF WALKS INTO THE CERTAIN KINGDOM.
THE WOLF PLUNDERS THE CATTLE.
BORIS CALLS FOR FOMA.
BORIS ANNOUNCES THAT THE WOLF PLUNDERED THE CATTLE.
FOMA DECIDES TO SEARCH FOR THE WOLF.

FOMA MEETS A JUG ALONG THE WAY.
THE JUG IS FIGHTING WITH A FRIEND OVER A MAGIC FLINT.
THE JUG ASKS FOMA TO DIVIDE THE MAGIC FLINT.
FOMA TRICKS THE DISPUTANTS INTO LEAVING THE MAGIC FLINT UNPROTECTED.
THE MAGIC FLINT IS SEIZED BY FOMA.
A MAGIC CARPET COMES FROM THE MAGIC FLINT.
FOMA TRAVELS TO THE LOCATION OF THE WOLF IN THE OTHER KINGDOM.
FOMA TRAVELS BY THE MAGIC CARPET.
FOMA FINDS THE WOLF.
THEY ENGAGE IN A COMPETITION.
FOMA WINS WITH HELP OF CLEVERNESS.
FOMA STARTS BACK HOME.
FOMA RETURNS HOME.

106

THE POPOVICHES LIVE IN A CERTAIN KINGDOM.
DUNIA IS THE MOTHER.
MARCO IS THE UNLUCKY SON.
VASILISA ALSO LIVES IN THE SAME LAND.
VASILISA IS OF MIRACULOUS BIRTH.
A BEAR APPEARS IN THE CERTAIN KINGDOM.
THE BEAR CUTS OFF MARCO'S LEG.
VASILISA MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT THE BEAR INJURED MARCO.
VASILISA LEAVES ON A SEARCH.

VASILISA MEETS A FOREST KNIGHT ALONG THE WAY.
THE FOREST KNIGHT IS THREATENED BY VASILISA.
THE FOREST KNIGHT REQUESTS MERCY FROM VASILISA.
VASILISA SHOWS MERCY TOWARD THE FOREST KNIGHT.
A MAGIC FLINT IS FOUND BY VASILISA.
A MAGIC STEED COMES FROM THE MAGIC FLINT.
VASILISA TRAVELS TO THE LOCATION OF THE LEG IN THE OTHER KINGDOM.
VASILISA TRAVELS BY THE MAGIC STEED.
THE LEG IS SEIZED BY VASILISA.
VASILISA STARTS BACK HOME WITH THE LEG.
THE BEAR ATTEMPTS TO KILL VASILISA.
VASILISA ESCAPES BY FLYING ON THE MAGIC STEED.
VASILISA RETURNS HOME.

107

THE BERENNIKOVS LIVE IN A CERTAIN KINGDOM.
 DUNIA IS THE MOTHER.
 VLADIMIR IS THE BRAVE SON.
 ELENA ALSO LIVES IN THE SAME LAND.
 ALIOSHA IS ELENA'S SON.
 A BEAR SNEAKS INTO THE CERTAIN KINGDOM.
 ALIOSHA ASKS THE BEAR WHERE IS YOUR WISDOM.
 THE BEAR SAYS THAT MY WISDOM IS IN A MAGIC EGG.
 THE BEAR ABDUCTS ALIOSHA.
 VLADIMIR MEETS A VILLAGER.
 THE VILLAGER ANNOUNCES THAT THE BEAR ABDUCTED ALIOSHA.
 VLADIMIR DECIDES TO SEARCH FOR ALIOSHA.
 VLADIMIR LEAVES ON A SEARCH.

VLADIMIR MEETS A JUG ALONG THE WAY.
 THE JUG BRAWLS IN A FOREST HUT WITH VLADIMIR.
 THE JUG TWICE REPELS VLADIMIR.
 THEY FIGHT FOR THE THIRD TIME.
 VLADIMIR DEFEATS THE JUG.
 A MAGIC SWORD IS PLACED AT THE DISPOSAL OF VLADIMIR.
 VLADIMIR TAKES THE MAGIC SWORD.
 VLADIMIR TRAVELS TO THE LOCATION OF ALIOSHA IN THE OTHER KINGDOM.
 VLADIMIR FOLLOWS THE BLOODY TRACKS.
 VLADIMIR SURPRISES THE BEAR.
 VLADIMIR KILLS THE BEAR WITH THE AID OF THE MAGIC SWORD.
 ALIOSHA IS SEIZED BY VLADIMIR.
 VLADIMIR STARTS BACK HOME WITH ALIOSHA.
 THE BEAR'S FATHER FLYS AFTER VLADIMIR.
 VLADIMIR ESCAPES BY BEING HIDDEN BY BLACKSMITHS.
 THEY RETURN HOME.

108

THE PARANOVS LIVE IN A DISTANT PROVINCE.
 EREMA IS THE BRAVE SON.
 VASILISA IS THE UNLUCKY DAUGHTER.
 MARIA IS THE MOTHER.
 THE FATHER IS BALDAK.
 BALDAK , EREMA AND VASILISA ARE IN THE FIELDS.
 BALDAK SAYS EREMA , LEAVE THE FIELDS.
 BALDAK LEAVES TO GO TO WORK.
 EREMA LEAVES THE FIELDS.
 A DRAGON SNEAKS INTO THE DISTANT PROVINCE.
 THE DRAGON ASKS A VILLAGER WHERE IS VASILISA.
 THE VILLAGER SAYS THAT VASILISA IS IN THE FIELDS.
 THE DRAGON THREATENS TO MARRY VASILISA.
 BALDAK CALLS FOR EREMA.
 BALDAK ANNOUNCES THAT THE DRAGON THREATENED TO MARRY VASILISA.
 EREMA DECIDES TO SEARCH FOR THE DRAGON.
 EREMA LEAVES ON A SEARCH.

EREMA MEETS A COW ALONG THE WAY.
 THE COW GREET'S EREMA.
 THE COW ASKS EREMA TO ANSWER A QUESTION.
 EREMA ANSWERS THE QUESTION.
 A MAGIC RING IS SHOWN TO EREMA.
 EREMA TAKES THE MAGIC RING.
 A MAGIC BOW COMES FROM THE MAGIC RING.
 EREMA TRAVELS TO THE LOCATION OF THE DRAGON IN AN OTHER KINGDOM.
 EREMA TRAVELS ON A HORSE.
 EREMA SURPRISES THE DRAGON.
 EREMA KILLS THE DRAGON WITH THE AID OF THE MAGIC BOW.
 EREMA STARTS BACK HOME.
 THE DRAGON'S WIVES PURSUE EREMA.
 EREMA HIDES IN A TREE.
 THE DRAGON'S WIVES ATTEMPT TO GNAW THROUGH THE TREE.
 EREMA ESCAPES BY JUMPING TO THE OTHER TREE.
 EREMA RETURNS HOME.

109

THE PARANOV'S LIVE IN A DISTANT PROVINCE.
KATRINA IS THE MOTHER.
BORIS IS THE UNLUCKY SON.
BORIS HAS CROPS.
MARIA ALSO LIVES IN THE SAME LAND.
MARIA IS OF MIRACULOUS BIRTH.
A BEAR WALKS INTO THE DISTANT PROVINCE.
THE BEAR ASKS A VILLAGER WHERE ARE THE CROPS.
THE VILLAGER SAYS THAT THE CROPS ARE IN THE HUT.
THE BEAR PILLAGES THE CROPS.
MARIA MEETS A VILLAGER.
THE VILLAGER ANNOUNCES THAT THE BEAR PILLAGED THE CROPS.
MARIA LEAVES ON A SEARCH.

MARIA MEETS A JUG ALONG THE WAY.
THE JUG GREET'S MARIA.
THE JUG ASKS MARIA TO ANSWER A QUESTION.
MARIA ANSWERS THE QUESTION.
A MAGIC FLINT IS SHOWN TO MARIA.
MARIA TAKES THE MAGIC FLINT.
A MAGIC BIRD COMES FROM THE MAGIC FLINT.
MARIA TRAVELS TO THE LOCATION OF THE BEAR IN AN OTHER KINGDOM.
MARIA TRAVELS BY THE MAGIC BIRD.
MARIA SURPRISES THE BEAR.
MARIA KILLS THE BEAR WITHOUT A FIGHT.
MARIA STARTS BACK HOME.
THE BEAR'S FATHER ATTEMPTS TO KILL MARIA.
MARIA ESCAPES BY FLYING ON THE MAGIC BIRD.
MARIA RETURNS HOME.

110

THE MOREVNAS LIVE IN A DISTANT PROVINCE.
THE MOTHER IS KATRINA.
IVAN IS THE UNLUCKY SON.
FOMA IS THE BRAVE SON.
VLADIMIR IS THE FATHER.
A DRAGON FLYS INTO THE DISTANT PROVINCE.
IVAN ASKS THE DRAGON WHERE IS YOUR WISDOM.
THE DRAGON SAYS THAT MY WISDOM IS IN A MAGIC EGG.
THE DRAGON CASTS A SPELL ON IVAN.
THE DRAGON EXPELS IVAN.
FOMA DECIDES TO SEARCH FOR IVAN.
FOMA LEAVES ON A SEARCH.

FOMA MEETS A WITCH ALONG THE WAY.
THE WITCH PROPOSES FOMA LISTEN TO THE GUSLA WITHOUT FALLING ASLEEP.
FOMA RESPONDS BY STAYING AWAKE WHILE LISTENING TO THE GUSLA.
A MAGIC BOW IS GIVEN TO FOMA.
FOMA TRAVELS TO THE LOCATION OF IVAN IN AN OTHER KINGDOM.
FOMA CLIMBS A STAIRWAY.
FOMA FINDS THE DRAGON.
THEY FIGHT IN AN OPEN FIELD.
FOMA IS WOUNDED.
FOMA DEFEATS THE DRAGON WITH THE AID OF THE MAGIC BOW.
IVAN IS FREED FROM THE SPELL BY FOMA.
FOMA STARTS BACK HOME WITH IVAN.
THE DRAGON'S WIVES YELL FOR FOMA.
FOMA ESCAPES BY BEING HIDDEN BY BLACKSMITHS.
THEY RETURN HOME.

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Sheldon K L E I N (1)

Departments d'Informatique
et de Linguistique
Université du Wisconsin
Madison, Wisconsin 53706
U.S.A.

(1) avec la collaboration de John F. AESCHLIMANN, Matthew A. APPELBAUM, David F. BALSIGER, Elizabeth J. CURTIS, Mark FOSTER, S. David KALISH, Scott J. KAMIN, Ying-Da LEE, Lynne A. PRICE.