

**Prof. Dr. Alfred Toth**

## **Formale Grundlagen einer Theorie der regionalen semiotischen Nacht**

Ach in den andern Bezug,  
wehe, was nimmt man hinüber? Nicht das Anschauen, das hier  
langsam erlernte, und kein hier Ereignetes. Keins.

R.M. Rilke, Neunte Duineser Elegie

Zu den bisher konstruierten oder vielmehr rekonstruierten semiotischen "Nächten" vgl. Toth (2008, I-IV). Es geht natürlich auch im folgenden wieder um die Aufdeckung der formalen Grundlagen einer bereits von Günther (1937) geforderten Theorie des Willens in Ergänzung zu einer Theorie des Denkens, deren Grundlagen ja zur Hauptsache die Logik, die Mathematik und die Philosophie geliefert haben. An spezifischen Vorarbeiten zur jüngsten Entwicklung der Semiotik, der sog. regionalen Semiotik, welche die Semiose oder Zeichengenesen nicht an Objekte, sondern an Regionen von Objekten ansetzt, vgl. Toth (2011). Speziell wird hier eine vollständige Theorie einer minimal kontexturierten regionalen Präsemiotik vorgelegt, welche also sowohl die Position von kategorialen Objekten mit Hilfe sphärischer topologischer Relationen als auch die Kontexturierung ihrer semiotischen Repräsentationen berücksichtigt. Das Resultat dürfte also die bisher differenzierteste und komplexeste existierende formale Semiotik sein. Daß einer Theorie des Willens nicht mit den verschiedenen Organen einer primitiven Theorie beizukommen ist, welche Vorgänge des Lebens auf Form reduzieren, sei es nun die Genetik, die klassische Mathematik und Logik oder die Generative Grammatik, und daß diese Theorie des Lebendigen somit mit in den Arbeitsbereich der mit Bedeutung und Sinn operierenden formalen Semiotik fällt, dürfte keiner Begründung bedürfen. Ausgehend von den beiden Varianten der präsemiotischen regionalen Matrix

—	0.1	0.2	0.3	—	0.1	0.2	0.3
-0.1	1.1	1.2	1.3	0.-1	1.1	1.2	1.3
-0.2	-1.2	2.2	2.3	0.-2	1.-2	2.2	2.3
-0.3	-1.3	-2.3	3.3	0.-3	1.-3	2.-3	3.3

und den folgenden, auf dem bisherigen Stand der regionalen Präsemiotik möglichen Subzeichenstrukturen

(a.b)<sub>1.2.3</sub>, (a.b)<sub>1.3.2</sub>, (a.b)<sub>2.1.3</sub>, (a.b)<sub>2.3.1</sub>, (a.b)<sub>3.1.2</sub>, (a.b)<sub>3.2.1</sub>

(b.a)<sub>1.2.3</sub>, (b.a)<sub>1.3.2</sub>, (b.a)<sub>2.1.3</sub>, (b.a)<sub>2.3.1</sub>, (b.a)<sub>3.1.2</sub>, (b.a)<sub>3.2.1</sub>

-----  
 (-a.b)<sub>1.2.3</sub>, (-a.b)<sub>1.3.2</sub>, (-a.b)<sub>2.1.3</sub>, (-a.b)<sub>2.3.1</sub>, (-a.b)<sub>3.1.2</sub>, (-a.b)<sub>3.2.1</sub>

(b.-a)<sub>1.2.3</sub>, (b.-a)<sub>1.3.2</sub>, (b.-a)<sub>2.1.3</sub>, (b.-a)<sub>2.3.1</sub>, (b.-a)<sub>3.1.2</sub>, (b.-a)<sub>3.2.1</sub>

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 (a.-b)<sub>1.2.3</sub>, (a.-b)<sub>1.3.2</sub>, (a.-b)<sub>2.1.3</sub>, (a.-b)<sub>2.3.1</sub>, (a.-b)<sub>3.1.2</sub>, (a.-b)<sub>3.2.1</sub>

(-b.a)<sub>1.2.3</sub>, (-b.a)<sub>1.3.2</sub>, (-b.a)<sub>2.1.3</sub>, (-b.a)<sub>2.3.1</sub>, (-b.a)<sub>3.1.2</sub>, (-b.a)<sub>3.2.1</sub>

ist die vorliegende Arbeit in 2 Hauptkapitel gezeigt, je nachdem, welche der beiden Dualrelationen bzw. Realitätsthematiken vorliegt. Die folgende Tabelle gibt eine Übersicht, die auch die von den Realitätsthematiken präsentierten entitätischen Realitäten enthält:

1.1	( <u>1.2</u> s <sub>tt</sub> ( <u>1.2</u> ))	M←M	1.1	( <u>1.2</u> , s <sub>td</sub> ( <u>1.2</u> ))	M←M	<u>1.1</u>	<u>2.-13.-1</u>	M,O,-I-	
2.1	( <u>1.2</u> s <sub>tt</sub> ( <u>1.2</u> ))	O←M	-1.2	( <u>1.2</u> , s <sub>td</sub> ( <u>1.2</u> ))	-M←M	( <u>2.1</u> , s <sub>tt</sub> <sup>-1</sup> <u>2.1</u> )	3.-1	(O, O-)←I-	
3.1	( <u>1.2</u> s <sub>tt</sub> ( <u>1.2</u> ))	I←M	-1.3	( <u>1.2</u> , s <sub>td</sub> ( <u>1.2</u> ))	-M←M	<u>3.1</u>	2.-1s <sub>tt</sub> <sup>-1</sup> <u>3.1</u>	I→O←I-	
( <u>2.1</u> s <sub>tt</sub> <u>2.1</u> )	1.3	O←M	-1.2	2.2 s <sub>tt</sub> ( <u>1.2</u> )	-M→O←M	( <u>2.1</u> , s <sub>tt</sub> <sup>1</sup> <u>2.1</u> )	3.-1	O→I-	
<u>3.1</u>	<u>2.2</u>	<u>1.3</u>	I,O,M	s <sub>td</sub> <sup>-1</sup> <u>1.3</u>	2.2 <u>1.3</u>	-M→O←M	<u>3.1</u>	2.2 s <sub>tt</sub> <sup>-1</sup> <u>3.1</u>	I→O←I-
( <u>3.1</u> s <sub>tt</sub> <u>3.1</u> )	1.3	I←M	s <sub>td</sub> <sup>-1</sup> <u>1.3</u>	-2.3 <u>1.3</u>	-M→-O←M	( <u>3.1</u> , s <sub>tt</sub> <sup>1</sup> <u>3.1</u> )	3.-1	I→I-	
2.1	( <u>2.2</u> s <sub>tt</sub> <u>2.2</u> )	O←O	-1.2	( <u>2.2</u> , s <sub>td</sub> ( <u>2.2</u> ))	-M←O	( <u>2.1</u> , s <sub>tt</sub> <sup>1</sup> <u>2.1</u> )	3.-2	O→I-	
3.1	( <u>2.2</u> s <sub>tt</sub> <u>2.2</u> )	I←O	-1.3	( <u>2.2</u> , s <sub>td</sub> ( <u>2.2</u> ))	-M←O	<u>3.1</u>	2.2 s <sub>tt</sub> <sup>-1</sup> <u>3.1</u>	I→O←I-	

$(3.1_{s_{tt}3.1})$  2.3  $I \rightarrow O$   $s_{td}^{-1}1.3$   $-2.31.3$   $-M \rightarrow -O \leftarrow M$   $(3.1, s_{tt}3.2)$  3.-1  $I \leftarrow I$   
 3.1  $(3.2_{s_{tt}3.2})$   $I \leftarrow I$   $s_{td}^{-1}1.3$   $-2.33.3$   $-M, -O, I$  3.1  $(3.2, s_{tt}3.2)$   $I \leftarrow I$

## A. Bereich der negativen Triadizität

### I. Handlungsschemata der 2 · 24 triadischen semiotischen Partialrelationen

#### 1. Präsemiotisches Dualsystem

$(-1.3_{3,4} -1.2_{1,4} 1.1_{1,3,4} 0.1_{1,3}) \times (-0.1_{3,1} 1.1_{4,3,1} 1.2_{4,1} 1.3_{4,3})$

#### Qualitative Handlung

$(-1.2_{1,4})$		$(1.1_{4,3,1})$
$\wedge \gg (0.1_{1,3})$	$\times$	$\wedge \gg (-0.1_{3,1})$
$(1.1_{1,3,4})$		$(1.2_{4,1})$

$(-1.3_{3,4})$		$(1.1_{4,3,1})$
$\wedge \gg (0.1_{1,3})$	$\times$	$\wedge \gg (-0.1_{3,1})$
$(1.1_{1,3,4})$		$(1.3_{4,3})$

$(1.1_{1,3,4})$		$(1.2_{4,1})$
$\wedge \gg (0.1_{1,3})$	$\times$	$\wedge \gg (-0.1_{3,1})$
$(-1.2_{1,4})$		$(1.1_{4,3,1})$

$(-1.3_{3,4})$		$(1.2_{4,1})$
$\wedge \gg (0.1_{1,3})$	$\times$	$\wedge \gg (-0.1_{3,1})$
$(-1.2_{1,4})$		$(1.3_{4,3})$

$(1.1_{1,3,4})$		$(1.3_{4,3})$
$\wedge \gg (0.1_{1,3})$	$\times$	$\wedge \gg (-0.1_{3,1})$
$(-1.3_{3,4})$		$(1.1_{4,3,1})$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.1_{1,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.1_{3,1}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.1_{3,1}) \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.1_{3,1}) \end{array}$$

## 2. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.1_{1,3,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (-1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (-1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.2_{1,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.2_{1,4}) \times \\ (1.1_{1,3,4}) \end{array} \quad \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$



$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (0.2_{1,2}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{r}
 (1.1_{1,3,4}) \\
 \wedge \gg (-1.3_{3,4}) \\
 (-1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{r}
 (0.2_{1,2}) \\
 \wedge \gg (-1.3_{3,4}) \\
 (-1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (-0.2_{2,1})
 \end{array}$$

### 3. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.1_{1,3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{r}
 (-1.2_{1,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.1_{1,3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.1_{4,3,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.2_{4,1})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.1_{1,3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.1_{4,3,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.1_{1,3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (-1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (-1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.1_{1,3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{r}
 (-1.2_{1,4}) \\
 \wedge \gg (1.1_{1,3,4}) \times \\
 (-1.3_{3,4})
 \end{array}
 \quad
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (1.1_{4,3,1}) \\
 (1.2_{4,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{r}
 (1.1_{1,3,4}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (0.3_{2,3})
 \end{array}
 \quad
 \begin{array}{r}
 (-0.3_{3,2}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (0.3_{2,3})
 \end{array}
 \quad
 \begin{array}{r}
 (-0.3_{3,2}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (0.3_{2,3}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (1.1_{1,3,4})
 \end{array}
 \quad
 \begin{array}{r}
 (1.1_{4,3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (1.1_{1,3,4})
 \end{array}
 \quad
 \begin{array}{r}
 (1.1_{4,3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.1_{1,3,4}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (-1.3_{3,4})
 \end{array}
 \quad
 \begin{array}{r}
 (1.3_{3,4}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{r}
 (0.3_{2,3}) \\
 \wedge \gg (-1.2_{1,4}) \times \\
 (-1.3_{3,4})
 \end{array}
 \quad
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (1.2_{4,1}) \\
 (-0.3_{3,2})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-0.3_{3,2}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (-0.3_{3,2}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.1_{4,3,1}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (1.1_{1,3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.1_{4,3,1}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (1.1_{1,3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (1.2_{4,1}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (-1.2_{1,4}) & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.2_{4,1}) \\ \wedge \gg (-1.3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\ (-1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

## 4. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ -1.2_{4,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

## Qualitative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$



$$\begin{array}{l} (0.2_{1,2}) \\ \lambda \gg (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \lambda \gg (1.3_{4,3}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \lambda \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \lambda \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \lambda \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \lambda \gg (1.3_{4,3}) \\ (-0.2_{2,1}) \end{array}$$

## 5. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.2_{4,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative action

$$\begin{array}{l} (-1.2_{1,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \lambda \gg (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \lambda \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \lambda \gg (0.3_{2,3}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \lambda \gg (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (1.3_{4,3}) \\ \wedge \gg (1.2_{1,4}) & \wedge \gg (-1.2_{4,1}) \\ (-1.3_{3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (-1.2_{1,4}) & (1.3_{4,3}) \\ \wedge \gg (1.2_{1,4}) \times & \wedge -1.2_{4,1}) \\ (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{cc} (1.2_{1,4}) & (-0.3_{3,2}) \\ \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\ (0.3_{2,3}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{cc} (-1.3_{3,4}) & (-0.3_{3,2}) \\ \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\ (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (-1.2_{4,1}) \\ \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\ (1.2_{1,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (-1.3_{3,4}) & (-1.2_{4,1}) \\ \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\ (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (1.3_{4,3}) \\ \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\ (-1.3_{3,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (1.3_{4,3}) \\
 \wedge \gg (-1.2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\
 (-1.3_{3,4}) & (-0.3_{3,2})
 \end{array}$$

Interpretative action

$$\begin{array}{cc}
 (-1.2_{1,4}) & (-0.3_{3,2}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (0.3_{2,3}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (1.2_{1,4}) & (-0.3_{3,2}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (0.3_{2,3}) & (-1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (-1.2_{1,4}) & (-1.2_{4,1}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.2_{1,4}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (-1.2_{4,1}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.2_{1,4}) & (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{cc}
 (1.2_{1,4}) & (1.2_{4,1}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (-1.2_{1,4}) & (-1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (1.2_{4,1}) \\
 \wedge \gg (-1.3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (-1.2_{1,4}) & (-0.3_{3,2})
 \end{array}$$

## 6. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

## 7. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$



$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.2_{2,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (2.2_{1,2,4}) \end{array} \quad \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{r}
 (0.2_{1,2}) \\
 \wedge \gg (-1.3_{3,4}) \\
 (2.2_{1,2,4})
 \end{array}
 \times
 \begin{array}{r}
 (2.2_{4,2,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (-0.2_{2,1})
 \end{array}$$

## 8. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{r}
 (2.2_{1,2,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (-1.2_{4,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (-1.2_{4,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.2_{1,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (2.2_{1,2,4})
 \end{array}
 \times
 \begin{array}{r}
 (2.2_{4,2,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (-1.2_{4,1})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (2.2_{1,2,4})
 \end{array}
 \times
 \begin{array}{r}
 (2.2_{4,2,1}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.2_{1,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (-1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (-0.3_{3,2}) \\
 (-1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.3_{4,3}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (-0.3_{3,2}) \\
 (-1.3_{3,4}) & & (2.2_{4,2,1})
 \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (-0.3_{3,2}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (0.3_{2,3}) & & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (-1.3_{3,4}) & & (-0.3_{3,2}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (0.3_{2,3}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.2_{4,2,1}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (2.2_{1,2,4}) & & (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (-1.3_{3,4}) & & (2.2_{4,2,1}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (2.2_{1,2,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (1.3_{4,3}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (-1.3_{3,4}) & & (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.3_{4,3}) \\
 \wedge \gg (1.2_{1,4}) & \times & \wedge \gg (-1.2_{4,1}) \\
 (-1.3_{3,4}) & & (2.2_{4,2,1})
 \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

## 9. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.3_{4,3} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$



$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.2_{4,2,1}) \end{array} \times \begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-1.3_{4,3}) \\ (0.3_{2,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

### 10. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{r}
 (2.3_{2,4}) \\
 \wedge \gg (1.3_{3,4}) \\
 (-1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (-1.3_{4,3}) \\
 (-2.3_{4,2})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{r}
 (1.3_{3,4}) \\
 \wedge \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{r}
 (-0.3_{3,2}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{r}
 (-0.3_{3,2}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (0.3_{2,3}) \\
 \wedge \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (-1.3_{4,3}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{r}
 (-1.3_{3,4}) \\
 \wedge \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (-1.3_{4,3}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.3_{3,4}) \\
 \wedge \gg (2.3_{2,4}) \\
 (-1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (0.3_{2,3}) \\
 \wedge \gg (2.3_{2,4}) \\
 (-1.3_{3,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.3_{4,3}) \\
 \wedge \gg (-2.3_{4,2}) \\
 (-0.3_{3,2})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \wedge \gg (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

## 11. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$



## Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{1,4}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-2.3_{2,4}) \end{array} \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (-2.3_{2,4}) \end{array} \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.2_{2,1}) \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-2.3_{2,4}) \times \\ (0.2_{1,2}) \end{array} \quad \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (-0.2_{2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-2.3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.3_{4,2}) \\ (-0.2_{2,1}) \end{array}$$

## 12. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{1,2,}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-1.2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (-0.3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-2.3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (-1.2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

### 13. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (-1.3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l}
 (2.2_{1,2,4}) \\
 \lambda \gg (1.3_{3,4}) \\
 (-2.3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \lambda \gg (-1.3_{4,3}) \\
 (2.2_{4,2,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (-0.3_{3,2}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (-2.3_{2,4}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (-0.3_{3,2}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (2.3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (-1.3_{4,3}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (-2.3_{2,4}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (-1.3_{4,3}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (2.3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (-2.3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.2_{1,2,4}) \\
 (-2.3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \lambda \gg (2.2_{4,2,1}) \\
 (-0.3_{3,2})
 \end{array}$$



## Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \lambda \gg (2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (-2.3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \lambda \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

## 14. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 2.3_{4,2})$$

## Qualitative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-2.3_{4,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-2.3_{4,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (2.3_{2,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (2.3_{2,4}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

### Interpretative action

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (2.3_{4,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (-2.3_{2,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (-2.3_{2,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

### 15. Präsemiotisches Dualsystem

$$(3.3_{2,3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 3.3_{4,3,2})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (-0.3_{3,2}) \\ (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (0.3_{2,3}) \\ (-2.3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (3.3_{2,3,4}) \end{array} \times \begin{array}{l} (3.3_{4,3,2}) \\ \lambda \gg (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l}
 (2.3_{2,4}) \\
 \lambda \gg (1.3_{3,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (-1.3_{4,3}) \\
 (-2.3_{4,2})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (-0.3_{3,2}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (3.3_{2,3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (-0.3_{3,2}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (3.3_{4,3,2})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (-1.3_{4,3}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (3.3_{2,3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (-1.3_{4,3}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (3.3_{4,3,2})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (-1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.3_{2,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (-2.3_{4,2}) \\
 (-0.3_{3,2})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (3.3_{2,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (3.3_{2,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (-0.3_{3,2}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (3.3_{2,3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (3.3_{2,3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (-1.3_{4,3}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (3.3_{2,3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (3.3_{2,3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (-2.3_{4,2}) \\ \lambda \gg (3.3_{4,3,2}) \\ (-0.3_{3,2}) \end{array}$$



II. Handlungsschemata der 2 · 24 tetradischen semiotischen Partialrelationen

1. Präsemiotisches Dualsystem

$$(-1.3 \ -1.2 \ 1.1 \ 0.1) \times (-0.1 \ 1.1 \ 1.2 \ 1.3)$$

Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\ & (-1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.3_{4,3}) \\ (1.1_{1,4,3}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\ & (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.1_{4,3,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (-1.3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (-1.2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.1_{4,3,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.1_{1,3}) \times & (-0.1_{3,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.2_{4,1}) \\ (0.1_{1,3}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (-0.1_{3,1}) \\ & (-1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.3_{4,3}) \\ (0.1_{1,3}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (-0.1_{3,1}) \\ & (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.1_{1,3}) & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.2_{4,1}) \\ & (-1.3_{3,4}) & (-0.1_{3,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-0.1_{3,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.2_{4,1}) \\ & (0.1_{1,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.1_{1,3}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.3_{4,3}) \\ & (-1.2_{1,4}) & (-0.1_{3,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (-0.1_{3,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.3_{4,3}) \\ & (0.1_{1,3}) & (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.1_{4,3,1}) \\ (0.1_{1,3}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg & \Upsilon > (-0.1_{3,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$\begin{array}{c} (1.1_{1,3,4}) \\ (0.1_{1,3}) \gg \Upsilon > (-1.2_{1,4}) \times \\ (-1.3_{3,4}) \end{array}$	$\begin{array}{c} (1.3_{4,3}) \\ (1.2_{4,1}) \gg \Upsilon > (-0.1_{3,1}) \\ (1.1_{4,3,1}) \end{array}$
$\begin{array}{c} (0.1_{1,3}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.2_{1,4}) \times \\ (-1.3_{3,4}) \end{array}$	$\begin{array}{c} (1.3_{4,3}) \\ (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (-0.1_{3,1}) \end{array}$
$\begin{array}{c} (-1.3_{3,4}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.2_{1,4}) \times \\ (0.1_{1,3}) \end{array}$	$\begin{array}{c} (-0.1_{3,1}) \\ (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$
$\begin{array}{c} (0.1_{1,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \times \\ (1.1_{1,3,4}) \end{array}$	$\begin{array}{c} (1.1_{4,3,1}) \\ (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-0.1_{3,1}) \end{array}$
$\begin{array}{c} (1.1_{1,3,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \times \\ (0.1_{1,3}) \end{array}$	$\begin{array}{c} (-0.1_{3,1}) \\ (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$

### Interpretative Handlung

$\begin{array}{c} (-1.2_{1,4}) \\ (0.1_{1,3}) \gg \Upsilon > (-1.3_{3,4}) \times \\ (1.1_{1,3,4}) \end{array}$	$\begin{array}{c} (1.1_{4,3,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.1_{3,1}) \\ (1.2_{4,1}) \end{array}$
$\begin{array}{c} (1.1_{1,3,4}) \\ (0.1_{1,3}) \gg \Upsilon > (-1.3_{3,4}) \times \\ (-1.2_{1,4}) \end{array}$	$\begin{array}{c} (1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.1_{3,1}) \\ (1.1_{4,3,1}) \end{array}$

$$\begin{array}{l} (0.1_{1,3}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ (1.3_{4,3}) \Upsilon > (1.2_{4,1}) \\ (-0.1_{3,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (-0.1_{3,1}) \\ (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

## 2. Präsemiotisches Dualsystem

$$(-1.3_{3,4} -1.2_{1,4} 1.1_{1,3,4} 0.2_{1,2}) \times (-0.2_{2,1} 1.1_{4,3,1} 1.2_{1,4} 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (-1.3_{3,4}) \\ (1.1_{1,3,4}) \gg \Upsilon > (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ (-0.2_{2,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (-1.2_{1,4}) \\ (1.1_{1,3,4}) \gg \Upsilon > (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ (-0.2_{2,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (-1.3_{3,4}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ (-0.2_{2,1}) \gg \Upsilon > (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.3_{3,4}) & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{1,4}) & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.1_{4,3,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.1_{1,3,4}) & & (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.3_{3,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.2_{2,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{1,4}) \\ (0.2_{1,2}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{1,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (-1.2_{1,4}) & (-0.2_{2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{cc} (-1.3_{3,4}) & (1.1_{4,3,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (1.1_{1,3,4}) & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (-1.3_{3,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (-1.3_{3,4}) & (-0.2_{2,1}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ (0.2_{1,2}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (1.1_{4,3,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.1_{1,3,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (-0.2_{2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & & (1.1_{4,3,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.1_{4,3,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.1_{1,3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.2_{1,4}) & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.2_{4,1}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ (-1.2_{1,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-0.2_{2,1}) \\ (1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ (0.2_{1,2}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.1_{4,3,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (1.1_{1,3,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.1_{1,3,4}) & & (-0.2_{2,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (0.2_{1,2}) & & (1.1_{4,3,1}) \end{array}$$

### 3. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.1_{1,3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.3_{2,3}) \times & (-0.3_{3,2}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (-1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.3_{2,3}) \times & (-0.3_{3,2}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.1_{4,3,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ & (-1.3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (-1.2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.1_{4,3,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$



## Mediale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (-1.2_{1,4}) & \\ & & (1.2_{4,1}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (-1.3_{3,4}) & \\ & & (1.3_{4,3}) \\ & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (-1.3_{3,4}) & \\ & & (1.3_{4,3}) \\ & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (-1.2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (0.3_{2,3}) & \\ & & (-0.3_{3,2}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (-1.2_{1,4}) & \\ & & (1.2_{4,1}) \\ & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & \\ (-1.3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (0.3_{2,3}) & \\ & & (-0.3_{3,2}) \\ & & (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (1.1_{1,3,4}) & \\ & & (1.1_{4,3,1}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > & (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > \\ & (-1.3_{3,4}) & (1.3_{4,3}) \\ & & (-0.3_{3,2}) \\ & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (1.1_{1,3,4}) \gg \Upsilon > & (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > \\ & (-1.3_{3,4}) & (1.3_{4,3}) \\ & & (1.1_{4,3,1}) \\ & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (1.1_{1,3,4}) \gg \Upsilon > & (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > \\ & (0.3_{2,3}) & (1.3_{4,3}) \\ & & (-0.3_{3,2}) \\ & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (-1.3_{3,4}) \gg \Upsilon > & (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \\ & & (1.1_{4,3,1}) \\ & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & \\ (-1.3_{3,4}) \gg \Upsilon > & (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > \\ & (0.3_{2,3}) & (1.3_{4,3}) \\ & & (1.1_{4,3,1}) \\ & & (-0.3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} & (-1.2_{1,4}) & \\ (0.3_{2,3}) \gg \Upsilon > & (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > \\ & (1.1_{1,3,4}) & (1.1_{4,3,1}) \\ & & (-0.3_{3,2}) \\ & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > & (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > \\ & (-1.2_{1,4}) & (1.2_{4,1}) \\ & & (-0.3_{3,2}) \\ & & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{r}
(1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) \times \\
(-1.2_{1,4}) \\
(1.1_{1,3,4}) \gg \Upsilon > (-1.3_{3,4}) \times \\
(0.3_{2,3}) \\
(0.3_{2,3}) \\
(-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \times \\
(1.1_{1,3,4}) \\
(1.1_{1,3,4}) \\
(-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \times \\
(0.3_{2,3})
\end{array}
\quad
\begin{array}{r}
(1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\
(-0.3_{3,2}) \\
(1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\
(1.2_{4,1}) \\
(1.1_{4,3,1}) \\
(1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\
(-0.3_{3,2}) \\
(-0.3_{3,2}) \\
(1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\
(1.1_{4,3,1})
\end{array}$$

#### 4. Pre-semiotic system

$$(-1.3_{3,4} -1.2_{1,4} 1.2_{1,4} 0.2_{1,2}) \times (-0.2_{2,1} -1.2_{4,1} 1.2_{4,1} 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{r}
(-1.3_{3,4}) \\
(1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times \\
(-1.2_{1,4}) \\
(-1.2_{1,4}) \\
(1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times \\
(-1.3_{3,4}) \\
(-1.3_{3,4}) \\
(-1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times \\
(1.2_{1,4}) \\
(1.2_{1,4})
\end{array}
\quad
\begin{array}{r}
(1.2_{4,1}) \\
(-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\
(1.3_{4,3}) \\
(1.3_{4,3}) \\
(-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\
(1.2_{4,1}) \\
(-1.2_{4,1}) \\
(-0.2_{2,1}) \gg \Upsilon > (1.2_{4,1}) \\
(1.3_{4,3}) \\
(1.3_{3,4})
\end{array}$$

$$\begin{array}{c} (-1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{c} (-0.2_{2,1}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (1.2_{1,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (-1.2_{1,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{c} (-1.2_{4,1}) \\ (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{c} (-1.3_{3,4}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (-1.2_{1,4}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{c} (1.3_{4,3}) \\ (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{c} (1.3_{4,3}) \\ (-1.2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (-1.3_{3,4}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{c} (-0.2_{2,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{1,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-0.2_{2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.3_{3,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-1.3_{3,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.2_{1,2}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

Interpretative Handlung

$$\begin{array}{c} (-1.2_{1,4}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{c} (-1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (1.2_{1,4}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (-1.2_{1,4}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{c} (-0.2_{2,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{c} (-1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (1.2_{1,4}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{c} (-0.2_{2,1}) \\ (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.2_{4,1}) \end{array}$$

## 5. Präsemiotisches Dualsystem

$$(-1.3_{3,4} -1.2_{1,4} 1.2_{1,4} 0.3_{2,3}) \times (-0.3_{3,2} -1.2_{4,1} 1.2_{4,1} 1.3_{3,4})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.2_{4,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-1.2_{4,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ & (1.2_{1,4}) & (1.3_{3,4}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ & (-1.3_{3,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (-1.2_{1,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.2_{1,4}) & (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (-1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (-1.3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (-1.3_{3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-0.3_{3,2}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (0.3_{2,3}) & (1.3_4) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (-1.2_{1,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.2_{1,4}) & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (0.3_{2,3}) & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$



$$\begin{array}{c} (1.2_{1,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{c} (1.3_{4,3}) \\ (1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (-1.3_{3,4}) \end{array} \times \begin{array}{c} (1.3_{4,3}) \\ (1.2_{4,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (-1.3_{3,4}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (1.2_{4,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{c} (-1.2_{4,1}) \\ (1.2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (1.2_{1,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{4,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{c} (-1.2_{1,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{c} (-1.2_{4,1}) \\ (1.3_{3,4}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (1.2_{1,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.2_{4,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (-1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-0.3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.3_{2,3}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.2_{4,1}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (-0.3_{3,2}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (0.3_{2,3}) & & (-1.2_{4,1}) \end{array}$$

## 6. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ -1.2_{1,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (1.2_{4,1}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.3_{3,4}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-1.3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ (1.3_{3,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.3_{3,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{1,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-1.3_{4,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{3,4}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.3_{3,2}) \\ (-1.2_{1,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.2_{1,4}) & & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{1,4}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.3_{3,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (-1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) & \times & (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (-1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (1.2_{4,1}) \gg \Upsilon > (1.3_{3,4}) \\ (-1.3_{3,4}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{c} (-1.2_{1,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{c} (-1.3_{3,4}) \\ (1.3_{3,4}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (1.3_{3,4}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (-1.2_{1,4}) \end{array} \times \begin{array}{c} (1.2_{4,1}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (-1.2_{1,4}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (1.3_{4,3}) \gg \Upsilon > (-1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{c} (-1.3_{4,3}) \\ (1.3_{4,3}) \gg \Upsilon > (1.2_{1,4}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (-1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (1.3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (-1.3_{4,3}) \end{array}$$

## 7. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (-1.3_{3,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (2.2_{1,2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.2_{1,2,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.3_{3,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (-1.3_{3,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.2_{1,2}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (2.2_{4,2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (2.2_{1,2,4}) & & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.2_{2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & & (2.2_{4,2,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-1.3_{3,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-1.3_{3,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (-1.3_{3,4}) & (-0.2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.2_{1,2}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (-0.2_{2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & (-1.2_{4,1}) \end{array}$$

Interpretative Handlung

$$\begin{array}{cc} (2.2_{1,2,4}) & (-1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.2_{1,2,4}) & (-1.2_{4,1}) \end{array}$$



$$\begin{array}{ccc} & (0.2_{1,2}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-0.2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ & (0.2_{1,2}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (-0.2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (0.2_{1,2}) & (-1.2_{4,1}) \end{array}$$

### 8. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ (-1.3_{3,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.2_{4,2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (2.2_{1,2,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & & (-1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{1,2,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & & (-1.2_{4,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & & (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (-1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & & (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.2_{4,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & (-1.2_{4,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{cc} (2.2_{1,2,4}) & (-1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{1,2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (2.2_{1,2,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (2.2_{1,2,4}) & (-0.3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (1.2_{1,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & (-1.2_{4,1}) \end{array}$$

## 9. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (-1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (-1.3_{3,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (2.2_{1,2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} & (-1.3_{3,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ & (-1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (-1.3_{3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.2_{4,2,1}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ & (2.2_{1,2,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ & (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

## Objective action

$$\begin{array}{ccc} & (-1.3_{3,4}) & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \\ (-1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{c} (1.3_{4,3}) \\ (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \\ (-1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{c} (1.3_{4,3}) \\ (2.2_{4,2,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (-1.3_{3,4}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{c} (-0.3_{3,2}) \\ (2.2_{4,2,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{c} (-1.3_{4,3}) \\ (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{c} (-0.3_{3,2}) \\ (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (-1.3_{4,3}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{c} (2.2_{1,2,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{c} (-1.3_{4,3}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \quad \times \quad \begin{array}{c} (2.2_{4,2,1}) \\ (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (-1.3_{4,3}) \end{array}$$

### 10. Präsemiotisches Dualsystem

$$(-1.3_{3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.3_{2,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-1.3_{3,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (1.3_{3,4}) & & (1.3_{4,3}) \end{array}$$



$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (-1.3_{3,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-2.3_{4,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (2.3_{2,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-1.3_{4,3}) \\ (-1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.3_{2,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{3,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (-1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc}
 & (0.3_{2,3}) & (-2.3_{4,2}) \\
 (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\
 & (2.3_{2,4}) & (-0.3_{3,2}) \\
 : & & \\
 & (2.3_{2,4}) & (-0.3_{3,2}) \\
 (-1.3_{3,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\
 & (0.3_{2,3}) & (-2.3_{4,2})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc}
 & (-1.3_{3,4}) & (-1.3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\
 & (1.3_{3,4}) & (1.3_{4,3}) \\
 & & \\
 & (1.3_{3,4}) & (1.3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\
 & (-1.3_{3,4}) & (-1.3_{4,3}) \\
 & & \\
 & (0.3_{2,3}) & (1.3_{4,3}) \\
 (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\
 & (-1.3_{3,4}) & (-0.3_{3,2}) \\
 & & \\
 & (-1.3_{3,4}) & (-0.3_{3,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\
 & (0.3_{2,3}) & (1.3_{4,3}) \\
 & & \\
 & (0.3_{2,3}) & (-1.3_{4,3}) \\
 (-1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (1.3_{4,3}) \\
 & (1.3_{3,4}) & (-0.3_{3,2})
 \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-0.3_{3,2}) \\ (-1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) & \times & (-2.3_{4,2}) \gg \Upsilon > (1.3_{3,4}) \\ (0.3_{2,3}) & & (-1.3_{4,3}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} (2.3_{2,4}) & & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.3_{3,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.3_{2,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (-1.3_{3,4}) & \times & (1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (0.3_{2,3}) & & (-1.3_{4,3}) \end{array}$$

## 11. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (-0.2_{2,1} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (-2.3_{2,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-2.3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-2.3_{2,4}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (-2.3_{2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.3_{4,2}) \\ & (2.2_{1,2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-1.2_{4,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.2_{1,2}) & \times & (-0.2_{2,1}) \gg \Upsilon > (2.3_{4,2}) \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{c} (-2.3_{2,4}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \quad \times \quad \begin{array}{c} (2.2_{4,2,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{c} (2.2_{1,2,4}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{c} (2.3_{4,2}) \\ (-1.2_{4,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \\ (-2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{c} (2.3_{4,2}) \\ (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (-2.3_{2,4}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \quad \times \quad \begin{array}{c} (-0.2_{2,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{c} (0.2_{1,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \quad \times \quad \begin{array}{c} (2.2_{4,2,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (-0.2_{2,1}) \end{array}$$

$$\begin{array}{c} (2.2_{1,2,4}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \quad \times \quad \begin{array}{c} (-0.2_{2,1}) \\ (-1.2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{c} (-2.3_{2,4}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \quad \times \quad \begin{array}{c} (-1.2_{4,1}) \\ (2.2_{4,2,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (2.3_{4,2}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.2_{2,1}) \\ (-2.3_{2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-2.3_{2,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (-2.3_{2,4}) & (-0.2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.2_{1,2}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{cc} (0.2_{1,2}) & (-1.2_{4,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (1.2_{1,2,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (-0.2_{2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.2_{1,2}) & (-1.2_{4,1}) \end{array}$$

Interpretative Handlung

$$\begin{array}{cc} (2.2_{1,2,4}) & (-1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-2.3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (-0.2_{2,1}) \\ (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (1.2_{1,4}) & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (-2.3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (-0.2_{2,1}) \\ (2.2_{1,2,4}) & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-0.2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (0.2_{1,2}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (-0.2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (-0.2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (0.2_{1,2}) & (-1.2_{4,1}) \end{array}$$

## 12. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (-2.3_{2,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.2_{4,1}) \\ & (-2.3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-2.3_{2,4}) & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (-0.3_{3,2}) \gg \Upsilon > & (2.2_{4,2,1}) \\ (-2.3_{2,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.2_{4,2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (-0.3_{3,2}) \gg \Upsilon > & (2.3_{4,2}) \\ (2.2_{1,2,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-1.2_{4,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (-0.3_{3,2}) \gg \Upsilon > & (2.3_{4,2}) \\ (1.2_{1,4}) & & (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > & (-0.3_{3,2}) \\ (2.2_{1,2,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > & (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > & (2.2_{4,2,1}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & (-1.2_{4,1}) \gg \Upsilon > & (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$



$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.2_{1,4}) & \times & (-1.2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{1,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-0.3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.2_{4,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (-0.3_{3,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.3_{2,3}) & & (-1.2_{4,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.2_{1,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{1,2,4}) & & (-1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.2_{4,1}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.2_{4,1}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ (1.2_{1,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (-1.2_{4,1}) \end{array}$$

### 13. Pre-semiotic system

$$(-2.3_{2,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (-2.3_{2,4}) & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (-2.3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (-2.3_{2,4}) & (-1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.3_{3,4}) & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (-2.3_{2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.2_{4,2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ & (2.2_{1,2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (-1.3_{4,3}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ & (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{1,2,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.3_{4,2}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (2.3_{4,2}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.3_{3,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{cc} (1.3_{3,4}) & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (-2.3_{2,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (-2.3_{2,4}) & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (-1.3_{4,3}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (1.3_{3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{cc} (1.3_{3,4}) & (-0.3_{3,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.3_{2,3}) & (-1.3_{4,3}) \end{array}$$

Interpretative Handlung

$$\begin{array}{cc} (2.2_{1,2,4}) & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (1.3_{3,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.2_{1,2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.2_{1,2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (-2.3_{2,4}) & \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.3_{2,3}) & & (-1.3_{4,3}) \end{array}$$

#### 14. Präsemiotisches Dualsystem

$$(-2.3_{2,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.3_{2,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-2.3_{2,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (1.3_{3,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (-2.3_{2,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-2.3_{4,2}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ (2.3_{2,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (-1.3_{4,3}) \\ (-2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ (1.3_{3,4}) & & (-2.3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.3_{2,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > 1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-0.3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) & \times & (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-2.3_{4,2}) \\ (-2.3_{2,4}) \gg & \succ (1.3_{3,4}) & \times (-1.3_{4,3}) \gg \succ (2.3_{4,2}) \\ (2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (-0.3_{3,2}) \\ (-2.3_{2,4}) \gg \succ & \succ (1.3_{3,4}) & \times (-1.3_{4,3}) \gg \succ (2.3_{4,2}) \\ (0.3_{2,3}) & & (-2.3_{4,2}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \succ \succ & \succ (2.3_{2,4}) & \times (-2.3_{4,2}) \gg \succ \succ (-0.3_{3,2}) \\ (1.3_{3,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \succ \succ & \succ (2.3_{2,4}) & \times (-2.3_{4,2}) \gg \succ \succ (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \succ \succ & \succ (2.3_{2,4}) & \times (-2.3_{4,2}) \gg \succ \succ (-1.3_{4,3}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (-2.3_{2,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \succ \succ & \succ (2.3_{2,4}) & \times (-2.3_{4,2}) \gg \succ \succ (-1.3_{4,3}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (-2.3_{2,4}) \gg \succ \succ & \succ (2.3_{2,4}) & \times (-2.3_{4,2}) \gg \succ \succ (2.3_{4,2}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$



$$\begin{array}{c} (1.3_{3,4}) \\ (-2.3_{2,4}) \gg \Upsilon > (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (-2.3_{4,2}) \gg \Upsilon > (2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{c} (2.3_{2,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{c} (-1.3_{4,3}) \\ (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (0.3_{2,3}) \gg \Upsilon > (-2.3_{2,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{c} (-2.3_{4,2}) \\ (2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (-1.3_{4,3}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (1.3_{3,4}) \gg \Upsilon > (-2.3_{2,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{c} (-2.3_{4,2}) \\ (2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (2.3_{2,4}) \\ (1.3_{3,4}) \gg \Upsilon > (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (2.3_{4,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (-2.3_{4,2}) \end{array}$$

$$\begin{array}{c} (0.3_{2,3}) \\ (2.3_{2,4}) \gg \Upsilon > (-2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{c} (-1.3_{4,3}) \\ (2.3_{4,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (-0.3_{3,2}) \end{array}$$

$$\begin{array}{c} (1.3_{3,4}) \\ (2.3_{2,4}) \gg \Upsilon > (-2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{c} (-0.3_{3,2}) \\ (2.3_{4,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (-1.3_{4,3}) \end{array}$$

## 15. Präsemiotisches Dualsystem

$$(3.3_{2,3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (-0.3_{3,2} \ -1.3_{4,3} \ -2.3_{4,2} \ 3.3_{4,3,2})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (3.3_{2,3,4}) & \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (2.3_{2,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ & (3.3_{2,3,4}) & & (3.3_{4,3,2}) \\ & & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (3.3_{2,3,4}) & \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ & (1.3_{3,4}) & & (-1.3_{4,3}) \\ & & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ & (3.3_{2,3,4}) & & (3.3_{4,3,2}) \\ & & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & \\ (3.3_{2,3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (3.3_{4,3,2}) \\ & (2.3_{2,4}) & & (-2.3_{4,2}) \\ & & & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & \\ (3.3_{2,3,4}) \gg \Upsilon > (0.3_{2,3}) & \times & (-0.3_{3,2}) \gg \Upsilon > (3.3_{4,3,2}) \\ & (1.3_{3,4}) & & (-1.3_{4,3}) \\ & & & (-2.3_{4,2}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (-2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (2.3_{2,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (-0.3_{3,2}) \\ (-2.3_{2,4}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (-2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (-0.3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (-2.3_{4,2}) \\ (0.3_{2,3}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-2.3_{4,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (3.3_{4,3,2}) \\ (2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (-0.3_{3,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (1.3_{3,4}) \times (-1.3_{4,3}) \gg \Upsilon > (3.3_{4,3,2}) \\ (0.3_{2,3}) & & (-2.3_{4,2}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times (-2.3_{4,2}) \gg \Upsilon > (-0.3_{3,2}) \\ (1.3_{3,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (3.3_{4,3,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & (-2.3_{4,2}) \gg \Upsilon > & (-0.3_{3,2}) \\ & (3.3_{2,3,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (3.3_{4,3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (-2.3_{4,2}) \gg \Upsilon > & (-1.3_{4,3}) \\ & (3.3_{2,3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (3.3_{2,3,4}) & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (-2.3_{4,2}) \gg \Upsilon > & (-1.3_{3,4}) \\ & (0.3_{2,3}) & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (-1.3_{4,3}) \\ (3.3_{2,3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (-2.3_{4,2}) \gg \Upsilon > & (3.3_{2,3,4}) \\ & (1.3_{3,4}) & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (-0.3_{3,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (-2.3_{4,2}) \gg \Upsilon > & (3.3_{4,3,2}) \\ & (0.3_{2,3}) & (-1.3_{4,3}) \end{array}$$

Interpretative Handlung

$$\begin{array}{ccc} & (2.3_{2,4}) & (-1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > & (-0.3_{3,2}) \\ & (1.3_{3,4}) & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (-2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > & (-0.3_{3,2}) \\ & (2.3_{2,4}) & (-1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & & (3.3_{4,3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (2.3_{2,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (-0.3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & & (3.3_{4,3,2}) \gg \Upsilon > (-1.3_{4,3}) \\ (0.3_{2,3}) & & (-2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (-1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & & (3.3_{4,3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (1.3_{3,4}) & & (-0.3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (-0.3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & & (3.3_{4,3,2}) \gg \Upsilon > (-2.3_{4,2}) \\ (0.3_{2,3}) & & (-1.3_{4,3}) \end{array}$$

## B. Bereich der negativen Trichotomizität

### I. Handlungsschemata der 2 · 24 triadischen semiotischen Partialrelationen

#### 1. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.1_{1,3,4} \ 0.1_{1,3}) \times (0.-1_{3,1} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} (1.-2_{1,4}) & & (1.1_{4,3,1}) \\ \wedge \gg (0.1_{1,3}) \times & & \wedge \gg (0.-1_{3,1}) \\ (1.1_{1,3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.1_{4,3,1}) \\ \wedge \gg (0.1_{1,3}) \times & & \wedge \gg (0.-1_{3,1}) \\ (1.1_{1,3,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.1_{1,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-1_{3,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.1_{1,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-1_{3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.1_{1,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-1_{3,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.1_{1,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-1_{3,1}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (0.-1_{3,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (0.-1_{3,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (1.1_{1,3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (0.-1_{3,1}) \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (1.1_{1,3,4}) \quad \times \\
 (1.-2_{1,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.2_{4,1}) \\
 \wedge \gg (1.1_{4,3,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.1_{1,3}) \\
 \wedge \gg (1.1_{1,3,4}) \quad \times \\
 (1.-3_{3,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.3_{4,3}) \\
 \wedge \gg (1.1_{4,3,1}) \\
 (0.-1_{3,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-2_{1,4}) \\
 \wedge \gg (1.1_{1,3,4}) \quad \times \\
 (1.-3_{3,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.3_{4,3}) \\
 \wedge \gg (1.1_{4,3,1}) \\
 (1.2_{4,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.1_{1,3,4}) \\
 \wedge \gg (1.-2_{1,4}) \quad \times \\
 (0.1_{1,3})
 \end{array}
 \quad
 \begin{array}{l}
 (0.-1_{3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (1.-2_{1,4}) \quad \times \\
 (0.1_{1,3})
 \end{array}
 \quad
 \begin{array}{l}
 (0.-1_{3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.1_{1,3}) \\
 \wedge \gg (1.-2_{1,4}) \quad \times \\
 (1.1_{1,3,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.1_{4,3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (0.-1_{3,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (1.-2_{1,4}) \quad \times \\
 (1.1_{1,3,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.1_{4,3,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-1_{3,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (0.-1_{3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.1_{1,3}) \end{array} \times \begin{array}{l} (0.-1_{3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.1_{1,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-1_{3,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$



$$\begin{array}{ccc}
 (0.1_{1,3}) & & (1.2_{4,1}) \\
 \wedge \gg (1.-3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\
 (1.-2_{1,4}) & & (0.-1_{3,1})
 \end{array}$$

## 2. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.1_{1,3,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (1.1_{4,3,1}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.1_{1,3,4}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (1.1_{4,3,1}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.1_{1,3,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (1.1_{1,3,4}) & & (1.2_{4,1}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.-2_{1,4}) & & (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (1.2_{4,1}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.-2_{1,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (1.1_{1,3,4}) & & (1.3_{4,3}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.-3_{3,4}) & & (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (1.3_{4,3}) \\
 \wedge \gg (0.2_{1,2}) & \times & \wedge \gg (0.-2_{2,1}) \\
 (1.-3_{3,4}) & & (1.2_{4,1})
 \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (0.-2_{2,1}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (0.2_{1,2}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (0.-2_{2,1}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (0.2_{1,2}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.2_{4,1}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (1.-2_{1,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (1.2_{4,1}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (1.-2_{1,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.3_{4,3}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (1.-3_{3,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (1.3_{4,3}) \\
 \wedge \gg (1.1_{1,3,4}) & \times & \wedge \gg (1.1_{4,3,1}) \\
 (1.-3_{3,4}) & & (1.2_{4,1})
 \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.2_{1,2}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-2_{2,1}) \end{array}$$

### 3. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.1_{1,3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (1.-2_{1,4}) \end{array} \quad \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (1.-2_{1,4}) \end{array} \quad \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.1_{1,3,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.1_{4,3,1}) \\ (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-2_{1,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-2_{1,4}) \times \\ (1.1_{1,3,4}) \end{array} \quad \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.2_{4,1}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.1_{1,3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.1_{1,3,4}) \end{array} \times \begin{array}{l} (1.1_{4,3,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{r}
 (1.1_{1,3,4}) \\
 \wedge \gg (1.-3_{3,4}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{r}
 (0.3_{2,3}) \\
 \wedge \gg (1.-3_{3,4}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (0.-3_{3,2})
 \end{array}$$

#### 4. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{r}
 (1.-2_{1,4}) \\
 \wedge \gg (0.2_{1,2}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.-2_{4,1}) \\
 \wedge \gg (0.-2_{2,1}) \\
 (1.2_{4,1})
 \end{array}$$

$$\begin{array}{r}
 (1.-3_{3,4}) \\
 \wedge \gg (0.2_{1,2}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.-2_{4,1}) \\
 \wedge \gg (0.-2_{2,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{r}
 (1.2_{1,4}) \\
 \wedge \gg (0.2_{1,2}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (0.-2_{2,1}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{r}
 (1.-3_{3,4}) \\
 \wedge \gg (0.2_{1,2}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{r}
 (1.2_{4,1}) \\
 \wedge \gg (0.-2_{2,1}) \\
 (1.3_{4,3})
 \end{array}$$



$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l}
 (1.-2_{1,4}) \\
 \wedge \gg (1.2_{1,4}) \\
 (1.-3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.3_{4,3}) \\
 \wedge \gg (1.-2_{4,1}) \\
 (1.2_{4,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (0.2_{1,2})
 \end{array}
 \times
 \begin{array}{l}
 (0.-2_{2,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (0.2_{1,2})
 \end{array}
 \times
 \begin{array}{l}
 (0.-2_{2,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (1.-3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.3_{4,3}) \\
 \wedge \gg (1.2_{4,1}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (1.-2_{1,4}) \\
 (1.-3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.3_{4,3}) \\
 \wedge \gg (1.2_{4,1}) \\
 (0.-2_{2,1})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-2_{2,1}) \end{array}$$

## 5. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

## Qualitative action

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge 1.-2_{4,1}) \\ (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative action

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \wedge \gg (1.-3_{3,4}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (1.-3_{3,4}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \wedge \gg (1.-3_{3,4}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (0.-3_{3,2})
 \end{array}$$

## 6. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l}
 (1.-2_{1,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \wedge \gg (0.-3_{3,2}) \\
 (1.2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \wedge \gg (0.-3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \\
 (1.-2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.2_{4,1}) \\
 \wedge \gg (0.-3_{3,2}) \\
 (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-2_{1,4}) \end{array} \times \begin{array}{l} (1.2_{4,1}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.3_{4,3}) \end{array}$$



$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-2_{1,4}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.2_{4,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (1.3_{4,3}) \\
 \wedge \gg (1.-2_{1,4}) \times & \wedge \gg (1.2_{4,1}) \\
 (1.-3_{3,4}) & (0.-3_{3,2})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{cc}
 (1.-2_{1,4}) & (0.-3_{3,2}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (0.3_{2,3}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (1.3_{3,4}) & (0.-3_{3,2}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (0.3_{2,3}) & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{cc}
 (1.-2_{1,4}) & (1.-3_{4,3}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.3_{3,4}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (1.-3_{4,3}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.3_{3,4}) & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{cc}
 (1.3_{3,4}) & (1.2_{4,1}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.-2_{1,4}) & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{cc}
 (0.3_{2,3}) & (1.2_{4,1}) \\
 \wedge \gg (1.-3_{3,4}) \times & \wedge \gg (1.3_{4,3}) \\
 (1.-2_{1,4}) & (0.-3_{3,2})
 \end{array}$$

## 7. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-2_{2,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l}
 (2.2_{1,2,4}) \\
 \wedge \gg (1.-3_{3,4}) \quad \times \\
 (1.2_{1,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (1.-3_{3,4}) \quad \times \\
 (1.2_{1,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (1.-3_{3,4}) \quad \times \\
 (2.2_{1,2,4})
 \end{array}
 \quad
 \begin{array}{l}
 (2.2_{4,2,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (1.-3_{3,4}) \quad \times \\
 (2.2_{1,2,4})
 \end{array}
 \quad
 \begin{array}{l}
 (2.2_{4,2,1}) \\
 \wedge \gg (1.3_{4,3}) \\
 (0.-2_{2,1})
 \end{array}$$

## 8. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l}
 (2.2_{1,2,4}) \\
 \wedge \gg (0.3_{2,3}) \quad \times \\
 (1.2_{1,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (0.-3_{3,2}) \\
 (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{l}
 (1.-3_{3,4}) \\
 \wedge \gg (0.3_{2,3}) \quad \times \\
 (1.2_{1,4})
 \end{array}
 \quad
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (0.-3_{3,2}) \\
 (1.3_{4,3})
 \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$



$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (2.2_{1,2,4}) \end{array} \quad \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.2_{4,2,1}) \\
 \wedge \gg (1.-3_{3,4}) & \times & \wedge \gg (1.3_{4,3}) \\
 (2.2_{1,2,4}) & & (0.-3_{3,2})
 \end{array}$$

## 9. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.3_{4,3} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.-3_{4,3}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (1.3_{3,4}) & & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (1.-3_{4,3}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (1.3_{3,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (2.2_{4,2,1}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (2.2_{1,2,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (2.2_{4,2,1}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (2.2_{1,2,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (1.3_{4,3}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (1.-3_{3,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.3_{4,3}) \\
 \wedge \gg (0.3_{2,3}) & \times & \wedge \gg (0.-3_{3,2}) \\
 (1.-3_{3,4}) & & (2.2_{4,2,1})
 \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (0.-3_{3,2}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (0.3_{2,3}) & & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (0.-3_{3,2}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (0.3_{2,3}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.2_{4,2,1}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (2.2_{1,2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-3_{3,4}) & & (2.2_{4,2,1}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (2.2_{1,2,4}) & & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (1.3_{4,3}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (1.-3_{3,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.3_{4,3}) \\
 \wedge \gg (1.3_{3,4}) & \times & \wedge \gg (1.-3_{4,3}) \\
 (1.-3_{3,4}) & & (2.2_{4,2,1})
 \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.3_{3,4}) \end{array} \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.-3_{3,4}) \end{array} \quad \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{3,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (2.2_{4,2,1}) \end{array} \times \begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.3_{2,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

## 10. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.-3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.-3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.-3_{4,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.-3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.-3_{3,4}) \\ \wedge \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.-3_{4,2}) \\ (1.3_{4,3}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.3_{2,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.-3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.3_{2,4}) \\ (1.-3_{3,4}) \end{array} \times \begin{array}{l} (1.3_{4,3}) \\ \wedge \gg (2.-3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$



$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (1.-3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.3_{4,3}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.-3_{3,4}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

### 11. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-2_{2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.2_{1,2}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-2_{2,1}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (1.2_{1,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l}
 (2.2_{1,2,4}) \\
 \wedge \gg (1.2_{1,4}) \\
 (2.-3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \wedge \gg (1.-2_{4,1}) \\
 (2.2_{4,2,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (0.2_{1,2})
 \end{array}
 \times
 \begin{array}{l}
 (0.-2_{2,1}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (2.-3_{2,4}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (0.2_{1,2})
 \end{array}
 \times
 \begin{array}{l}
 (0.-2_{2,1}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (2.3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-2_{1,4}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{l}
 (2.-3_{2,4}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (1.2_{1,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-2_{4,1}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (2.3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (1.2_{1,4}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (2.-3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{l}
 (0.2_{1,2}) \\
 \wedge \gg (2.2_{1,2,4}) \\
 (2.-3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.3_{4,2}) \\
 \wedge \gg (2.2_{4,2,1}) \\
 (0.-2_{2,1})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (0.2_{1,2}) \end{array} \times \begin{array}{l} (0.-2_{2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-2_{2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.2_{1,2}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-2_{2,1}) \end{array}$$

## 12. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{1,2,}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.2_{1,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.2_{1,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (1.-2_{4,1}) \\ (2.2_{4,2,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (1.2_{1,4}) \end{array} \quad \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (2.-3_{2,4}) \end{array} \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \times \\ (2.-3_{2,4}) \end{array} \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.-3_{2,4}) \times \\ (0.3_{2,3}) \end{array} \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.2_{1,4}) \end{array} \times \begin{array}{l} (1.-2_{4,1}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.2_{1,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-2_{4,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

### 13. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.3_{4,2}) \end{array}$$



$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.2_{4,2,1}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.2_{1,2,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.2_{1,2,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (2.2_{4,2,1}) \\ (0.-3_{3,2}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.2_{1,2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.3_{4,2}) \\ (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.2_{1,2,4}) \end{array} \times \begin{array}{l} (2.2_{4,2,1}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.2_{4,2,1}) \\
 \lambda \gg (2.-3_{2,4}) & \times & \lambda \gg (2.3_{4,2}) \\
 (2.2_{1,2,4}) & & (0.-3_{3,2})
 \end{array}$$

#### 14. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{ccc}
 (2.3_{2,4}) & & (1.-3_{4,3}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (1.3_{3,4}) & & (2.-3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (1.-3_{4,3}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (1.3_{3,4}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (2.-3_{4,2}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (2.3_{2,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (2.-3_{4,2}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (2.3_{2,4}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (2.3_{4,2}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (2.-3_{2,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (2.3_{2,4}) & & (2.3_{4,2}) \\
 \lambda \gg (0.3_{2,3}) & \times & \lambda \gg (0.-3_{3,2}) \\
 (2.-3_{2,4}) & & (2.-3_{4,2})
 \end{array}$$

## Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (1.3_{3,4}) \\ (2.-3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (1.3_{3,4}) \\ (2.-3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (1.-3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

## Objektale Handlung

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (2.-3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \lambda \gg (2.3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (2.-3_{4,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \lambda \gg (2.-3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \lambda \gg (2.3_{2,4}) \\ (1.3_{3,4}) \end{array} \times \begin{array}{l} (1.-3_{4,3}) \\ \lambda \gg (2.-3_{4,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (2.3_{2,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (2.-3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \lambda \gg (2.3_{2,4}) \\ (2.-3_{2,4}) \end{array} \times \begin{array}{l} (2.3_{4,2}) \\ \lambda \gg (2.-3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

Interpretative action

$$\begin{array}{l} (2.3_{2,4}) \\ \lambda \gg (2.-3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \lambda \gg (2.-3_{2,4}) \\ (0.3_{2,3}) \end{array} \times \begin{array}{l} (0.-3_{3,2}) \\ \lambda \gg (2.3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.3_{4,2}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.-3_{2,4}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (2.3_{4,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (2.-3_{2,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (2.3_{4,2}) \\ (0.-3_{3,2}) \end{array}$$

### 15. Präsemiotisches Dualsystem

$$(3.3_{2,3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 3.3_{4,3,2})$$

#### Qualitative Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (1.3_{3,4}) \end{array} \quad \times \quad \begin{array}{l} (1.-3_{4,3}) \\ \wedge \gg (0.-3_{3,2}) \\ (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.-3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.3_{4,2}) \end{array}$$

$$\begin{array}{l} (1.3_{3,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (1.-3_{4,3}) \end{array}$$

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (0.3_{2,3}) \\ (2.-3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.3_{4,2}) \\ \wedge \gg (0.-3_{3,2}) \\ (2.-3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{l} (2.3_{2,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (2.-3_{4,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (0.3_{2,3}) \end{array} \quad \times \quad \begin{array}{l} (0.-3_{3,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{l} (0.3_{2,3}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (0.-3_{3,2}) \end{array}$$

$$\begin{array}{l} (3.3_{2,3,4}) \\ \wedge \gg (1.3_{3,4}) \\ (2.3_{2,4}) \end{array} \quad \times \quad \begin{array}{l} (2.-3_{4,2}) \\ \wedge \gg (1.-3_{4,3}) \\ (3.3_{4,3,2}) \end{array}$$



$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (1.3_{3,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (1.-3_{4,3}) \\
 (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (2.3_{2,4}) \\
 \lambda \gg (1.3_{3,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (1.-3_{4,3}) \\
 (2.-3_{4,2})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (0.-3_{3,2}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (3.3_{2,3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (0.-3_{3,2}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (3.3_{4,3,2})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (3.3_{2,3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (3.3_{4,3,2})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (2.3_{2,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (2.3_{2,4}) \\
 (3.3_{2,3,4})
 \end{array}
 \times
 \begin{array}{l}
 (3.3_{4,3,2}) \\
 \lambda \gg (2.-3_{4,2}) \\
 (0.-3_{3,2})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{l}
 (2.3_{2,4}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (0.-3_{3,2}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (2.-3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (0.3_{2,3})
 \end{array}
 \times
 \begin{array}{l}
 (0.-3_{3,2}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (2.3_{2,4}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (2.-3_{4,2})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (1.3_{3,4})
 \end{array}
 \times
 \begin{array}{l}
 (1.-3_{4,3}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{l}
 (1.3_{3,4}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (2.3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.-3_{4,2}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{l}
 (0.3_{2,3}) \\
 \lambda \gg (3.3_{2,3,4}) \\
 (2.3_{2,4})
 \end{array}
 \times
 \begin{array}{l}
 (2.-3_{4,2}) \\
 \lambda \gg (3.3_{4,3,2}) \\
 (0.-3_{3,2})
 \end{array}$$

II. Handlungsschemata der 2 · 24 tetradischen semiotischen Partialrelationen

1. Präsemiotisches Dualsystem

$$(1.-3 \ 1.-2 \ 1.1 \ 0.1) \times (0.-1 \ 1.1 \ 1.2 \ 1.3)$$

Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (1.1_{1,4,3}) & \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.1_{4,3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.-3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (1.-2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.1_{4,3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.1_{1,3}) \times & (0.-1_{3,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.2_{4,1}) \\ (0.1_{1,3}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (0.-1_{3,1}) \\ (1.-2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (1.3_{4,3}) \\ (0.1_{1,3}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (0.-1_{3,1}) \\ (1.-3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.1_{1,3}) & & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.2_{4,1}) \\ (1.-3_{3,4}) & & (0.-1_{3,1}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-1_{3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.2_{4,1}) \\ (0.1_{1,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.1_{1,3}) & & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.3_{4,3}) \\ (1.-2_{1,4}) & & (0.-1_{3,1}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (0.-1_{3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg & \Upsilon > (1.3_{4,3}) \\ (0.1_{1,3}) & & (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.1_{4,3,1}) \\ (0.1_{1,3}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (0.-1_{3,1}) \\ (1.1_{1,3,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc}
 & (1.1_{1,3,4}) & (1.3_{4,3}) \\
 (0.1_{1,3}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (0.-1_{3,1}) \\
 & (1.-3_{3,4}) & (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.1_{1,3}) & (1.3_{4,3}) \\
 (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\
 & (1.-3_{3,4}) & (0.-1_{3,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.-3_{3,4}) & (0.-1_{3,1}) \\
 (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\
 & (0.1_{1,3}) & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.1_{1,3}) & (1.1_{4,3,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.3_{4,3}) \\
 & (1.1_{1,3,4}) & (0.-1_{3,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.1_{1,3,4}) & (0.-1_{3,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.3_{4,3}) \\
 & (0.1_{1,3}) & (1.1_{4,3,1})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 & (1.-2_{1,4}) & (1.1_{4,3,1}) \\
 (0.1_{1,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (0.-1_{3,1}) \\
 & (1.1_{1,3,4}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.1_{1,3,4}) & (1.2_{4,1}) \\
 (0.1_{1,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (0.-1_{3,1}) \\
 & (1.-2_{1,4}) & (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{ccc} & (0.1_{1,3}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-2_{1,4}) & (0.-1_{3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (0.-1_{3,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (0.1_{1,3}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.1_{1,3}) & (1.1_{4,3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \Upsilon > (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (0.-1_{3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (0.-1_{3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.2_{4,1}) \\ & (0.1_{1,3}) & (1.1_{4,3,1}) \end{array}$$

## 2. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.1_{1,3,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.1_{4,3,1} \ 1.2_{1,4} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.1_{4,3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) & \gg \Upsilon > (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.-3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.-2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.1_{4,3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (0.-2_{2,1}) & \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (0.-2_{2,1}) & \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.-3_{3,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-2_{2,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{1,4}) & \\ & (0.2_{1,2}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.-2_{1,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (0.-2_{2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (0.2_{1,2}) & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.1_{4,3,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\ & (1.-3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-3_{3,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-2_{2,1}) \\ (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (0.2_{1,2}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.1_{4,3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.1_{1,3,4}) & (0.-2_{2,1}) \end{array}$$



$$\begin{array}{ccc}
 (1.1_{1,3,4}) & & (0.-2_{2,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) & \gg \Upsilon > & (1.3_{4,3}) \\
 (0.2_{1,2}) & & (1.1_{4,3,1})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (1.1_{4,3,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (0.-2_{2,1}) \\
 (1.1_{1,3,4}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.1_{1,3,4}) & & (1.2_{4,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (0.-2_{2,1}) \\
 (1.-2_{1,4}) & & (1.1_{4,3,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.2_{4,1}) \\
 (1.1_{1,3,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.1_{4,3,1}) \\
 (1.-2_{1,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (0.-2_{2,1}) \\
 (1.1_{1,3,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.1_{4,3,1}) \\
 (0.2_{1,2}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.1_{4,3,1}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.2_{4,1}) \\
 (1.1_{1,3,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.1_{1,3,4}) & & (0.-2_{2,1}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.2_{4,1}) \\
 (0.2_{1,2}) & & (1.1_{4,3,1})
 \end{array}$$

### 3. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.1_{1,3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.1_{4,3,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \Upsilon > (1.1_{4,3,1}) \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.1_{4,3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.1_{1,3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.-3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.-2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.1_{4,3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (0.-3_{3,2}) \\ & (1.-2_{1,4}) & \\ & & (1.2_{4,1}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (0.-3_{3,2}) \\ & (1.-3_{3,4}) & \\ & & (1.3_{4,3}) \\ & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (1.-3_{3,4}) & \\ & & (1.3_{4,3}) \\ & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & \\ (1.-2_{1,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.2_{4,1}) \\ & (0.3_{2,3}) & \\ & & (0.-3_{3,2}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (1.-2_{1,4}) & \\ & & (1.2_{4,1}) \\ & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & \\ (1.-3_{3,4}) \gg \Upsilon > (1.1_{1,3,4}) & \times & (1.1_{4,3,1}) \gg \Upsilon > (1.3_{4,3}) \\ & (0.3_{2,3}) & \\ & & (0.-3_{3,2}) \\ & & (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.1_{1,3,4}) & \\ & & (1.1_{4,3,1}) \\ & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.-3_{3,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\ & (1.-3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-3_{3,2}) \\ (1.1_{1,3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.1_{4,3,1}) \\ & (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.1_{4,3,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (1.1_{1,3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (0.3_{2,3}) & (1.1_{4,3,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.1_{4,3,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.1_{1,3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.-2_{1,4}) & (1.1_{4,3,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.2_{4,1}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (1.-2_{1,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (0.-3_{3,2}) \\ (1.1_{1,3,4}) & \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.1_{4,3,1}) \\ & (0.3_{2,3}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.1_{4,3,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.1_{1,3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.1_{1,3,4}) & (0.-3_{3,2}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (1.2_{4,1}) \\ & (0.3_{2,3}) & (1.1_{4,3,1}) \end{array}$$

#### 4. Pre-semiotic system

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 1.2_{4,1} \ 1.3_{4,3})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-2_{4,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc}
 & (1.2_{1,4}) & (1.3_{3,4}) \\
 (1.-2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.2_{4,1}) \\
 & (1.-3_{3,4}) & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.2_{1,4}) & (1.2_{4,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.3_{4,3}) \\
 & (1.-2_{1,4}) & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.-2_{1,4}) & (1.-2_{4,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > & (1.3_{4,3}) \\
 & (1.2_{1,4}) & (1.2_{4,1})
 \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc}
 & (1.-3_{3,4}) & (1.2_{4,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > & (0.-2_{2,1}) \\
 & (1.-2_{1,4}) & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.-2_{1,4}) & (1.3_{4,3}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > & (0.-2_{2,1}) \\
 & (1.-3_{3,4}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.2_{1,2}) & (1.3_{4,3}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > & (1.2_{4,1}) \\
 & (1.-3_{3,4}) & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.-3_{3,4}) & (0.-2_{2,1}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > & (1.2_{4,1}) \\
 & (0.2_{1,2}) & (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.-2_{1,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (0.-2_{2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.-2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (1.-3_{3,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (1.-3_{3,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (0.2_{1,2}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (0.-2_{2,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) & \gg \Upsilon > & (1.3_{4,3}) \\
 (0.2_{1,2}) & & (1.-2_{4,1})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (1.-2_{4,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (0.-2_{2,1}) \\
 (1.2_{1,4}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (1.2_{4,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (0.-2_{2,1}) \\
 (1.-2_{1,4}) & & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.2_{4,1}) \\
 (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.-2_{4,1}) \\
 (1.-2_{1,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.-2_{1,4}) & & (0.-2_{2,1}) \\
 (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.-2_{4,1}) \\
 (0.2_{1,2}) & & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.2_{1,2}) & & (1.-2_{4,1}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.2_{4,1}) \\
 (1.2_{1,4}) & & (0.-2_{2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (0.-2_{2,1}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) & \gg \Upsilon > & (1.2_{4,1}) \\
 (0.2_{1,2}) & & (1.-2_{4,1})
 \end{array}$$



## 5. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 1.2_{4,1} \ 1.3_{3,4})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-2_{4,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.2_{1,4}) & (1.3_{3,4}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.2_{4,1}) & \\ & (1.-3_{3,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.-2_{1,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.2_{1,4}) & (1.2_{4,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.2_{4,1}) \\ (0.3_{2,3}) & & (1.3_4) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.-2_{1,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.2_{4,1}) \end{array}$$

## Objektale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.-2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.-3_{3,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (1.-3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.2_{4,1}) \\ & (1.2_{1,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) \gg \Upsilon > & (1.3_{4,3}) \\ & (0.3_{2,3}) & (1.-2_{4,1}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.-2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{3,4}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.2_{1,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.-2_{1,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.2_{4,1}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.-2_{4,1}) \\ & (1.-2_{1,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (0.-3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.-2_{4,1}) \\ & (0.3_{2,3}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-2_{4,1}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.2_{4,1}) \\ & (1.2_{1,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (0.-3_{3,2}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.2_{4,1}) \\ & (0.3_{2,3}) & (1.-2_{4,1}) \end{array}$$

## 6. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 1.-2_{1,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 1.2_{4,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.2_{4,1}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) & \gg \Upsilon > (1.-3_{4,3}) \\ & (1.-2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.-2_{1,4}) & (1.3_{3,4}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) & \gg \Upsilon > (1.-3_{4,3}) \\ & (1.-3_{3,4}) & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) & \gg \Upsilon > (1.2_{4,1}) \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (1.2_{4,1}) \\ (1.-3_{3,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (1.-2_{1,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (1.2_{4,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (1.2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{3,4}) \gg \Upsilon > (1.2_{4,1}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (1.-2_{1,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (1.2_{4,1}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ (1.-2_{1,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-2_{1,4}) & & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.2_{4,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{1,4}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.3_{3,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times (1.2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc}
 & (1.3_{3,4}) & (0.-3_{3,2}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.-2_{1,4}) \times & (1.2_{4,1}) & \gg \Upsilon > (1.3_{3,4}) \\
 & (0.3_{2,3}) & (1.-3_{3,4})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 & (1.-2_{1,4}) & (1.-3_{3,4}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{3,4}) & \gg \Upsilon > (0.-3_{3,2}) \\
 & (1.3_{3,4}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.3_{3,4}) & (1.2_{4,1}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{3,4}) & \gg \Upsilon > (0.-3_{3,2}) \\
 & (1.-2_{1,4}) & (1.-3_{3,4})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.3_{2,3}) & (1.2_{4,1}) \\
 (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{3,4}) & \gg \Upsilon > (1.-3_{4,3}) \\
 & (1.-2_{1,4}) & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.-2_{1,4}) & (0.-3_{3,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.-3_{4,3}) \\
 & (0.3_{2,3}) & (1.2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.3_{2,3}) & (1.-3_{4,3}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.2_{1,4}) \\
 & (1.3_{3,4}) & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.3_{3,4}) & (0.-3_{3,2}) \\
 (1.-2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) & \gg \Upsilon > (1.2_{4,1}) \\
 & (0.3_{2,3}) & (1.-3_{4,3})
 \end{array}$$

## 7. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (1.-3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.-3_{3,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.3_{4,3}) & \\ & (2.2_{1,2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$



## Mediale Handlung

$$\begin{array}{r}
 (1.-3_{3,4}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (1.3_{4,3}) \\
 \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (1.3_{4,3}) \\
 (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\
 (1.-3_{3,4}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 \\
 (0.2_{1,2}) \qquad \qquad \qquad (1.3_{4,3}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (1.-3_{3,4}) \qquad \qquad \qquad (0.-2_{2,1}) \\
 \\
 (1.-3_{3,4}) \qquad \qquad \qquad (0.-2_{2,1}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (0.2_{1,2}) \qquad \qquad \qquad (1.3_{4,3}) \\
 \\
 (0.2_{1,2}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (0.-2_{2,1}) \\
 \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (0.-2_{2,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\
 (0.2_{1,2}) \qquad \qquad \qquad (2.2_{4,2,1})
 \end{array}$$

## Objektale Handlung

$$\begin{array}{r}
 (1.-3_{3,4}) \qquad \qquad \qquad (1.-2_{4,1}) \\
 (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-2_{2,1}) \\
 (1.2_{1,4}) \qquad \qquad \qquad (1.3_{4,3})
 \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (1.-3_{3,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (1.-3_{3,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (0.2_{1,2}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (0.-2_{2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.2_{1,2}) & & (1.-2_{4,1}) \end{array}$$

Interpretative Handlung

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.-2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times & & (1.3_{4,3}) \gg \Upsilon > (0.-2_{2,1}) \\ (1.2_{1,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.-3_{3,4}) \times & & (1.3_{4,3}) \gg \Upsilon > (0.-2_{2,1}) \\ (2.2_{1,2,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.2_{1,2,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (0.2_{1,2}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.2_{1,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (0.-2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (0.2_{1,2}) & (1.-2_{4,1}) \end{array}$$

## 8. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (1.-3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.2_{1,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) & \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.-3_{3,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (2.2_{1,2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.-3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.-3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.2_{4,2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (2.2_{1,2,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (1.-2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.2_{1,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (1.-2_{4,1}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.-2_{4,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.2_{1,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc}
 & (1.2_{1,4}) & (0.-3_{3,2}) \\
 (1.-3_{3,4}) \gg \Upsilon > & (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\
 & (0.3_{2,3}) & (1.-2_{4,1})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 & (2.2_{1,2,4}) & (1.-2_{4,1}) \\
 (0.3_{2,3}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\
 & (1.2_{1,4}) & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.2_{1,4}) & (2.2_{4,2,1}) \\
 (0.3_{2,3}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\
 & (2.2_{1,2,4}) & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.3_{2,3}) & (2.2_{4,2,1}) \\
 (1.2_{1,4}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-2_{4,1}) \\
 & (2.2_{1,2,4}) & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 & (2.2_{1,2,4}) & (0.-3_{3,2}) \\
 (1.2_{1,4}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-2_{4,1}) \\
 & (0.3_{2,3}) & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 & (0.3_{2,3}) & (1.-2_{4,1}) \\
 (2.2_{1,2,4}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\
 & (1.2_{1,4}) & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 & (1.2_{1,4}) & (0.-3_{3,2}) \\
 (2.2_{1,2,4}) \gg \Upsilon > & (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\
 & (0.3_{2,3}) & (1.-2_{4,1})
 \end{array}$$

## 9. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.2_{4,2,1} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (2.2_{1,2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (1.-3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-3_{3,4}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (1.3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.-3_{3,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.2_{4,2,1}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (2.2_{1,2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{r}
 (1.-3_{3,4}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (1.3_{4,3}) \\
 \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (1.3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\
 (1.-3_{3,4}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 \\
 (0.3_{2,3}) \qquad \qquad \qquad (1.3_{4,3}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (1.-3_{3,4}) \qquad \qquad \qquad (0.-3_{3,2}) \\
 \\
 (1.-3_{3,4}) \qquad \qquad \qquad (0.-3_{3,2}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (0.3_{2,3}) \qquad \qquad \qquad (1.3_{4,3}) \\
 \\
 (0.3_{2,3}) \qquad \qquad \qquad (2.2_{4,2,1}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (0.-3_{3,2}) \\
 \\
 (2.2_{1,2,4}) \qquad \qquad \qquad (0.-3_{3,2}) \\
 (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) \\
 (0.3_{2,3}) \qquad \qquad \qquad (2.2_{4,2,1})
 \end{array}$$

## Objective action

$$\begin{array}{r}
 (1.-3_{3,4}) \qquad \qquad \qquad (1.-3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\
 (1.3_{3,4}) \qquad \qquad \qquad (1.3_{4,3})
 \end{array}$$



$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (1.3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & & (2.2_{4,2,1}) \gg \Upsilon > (1.3_{4,3}) \\ (0.3_{2,3}) & & (1.-3_{4,3}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & & (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.3_{3,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times & & (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (2.2_{1,2,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (2.2_{1,2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (0.-3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.-3_{3,4}) \times & (1.3_{4,3}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (0.3_{2,3}) & (1.-3_{4,3}) \end{array}$$

## 10. Präsemiotisches Dualsystem

$$(1.-3_{3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 1.3_{4,3})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (2.-3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (2.3_{2,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (1.-3_{3,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.-3_{4,2}) & \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (2.-3_{4,2}) \\ (1.-3_{3,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (2.-3_{4,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (1.3_{4,3}) \\ (2.3_{2,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (1.3_{4,3}) \\ (1.3_{3,4}) & & (2.2_{4,2,1}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (1.-3_{3,4}) & & (2.-3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ (2.3_{2,4}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ (1.-3_{3,4}) & & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.-3_{4,2}) \\ (1.-3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.-3_{3,4}) & & (0.-3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.-3_{4,2}) \\ (0.3_{2,3}) & & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.-3_{4,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) & \\ & (2.3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (0.-3_{3,2}) \\ (1.-3_{3,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > (1.3_{4,3}) & \\ & (0.3_{2,3}) & (2.-3_{4,2}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} & (1.-3_{3,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.3_{3,4}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (1.3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.-3_{3,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.3_{4,3}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (1.-3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.-3_{3,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (0.3_{2,3}) & (1.3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-3_{4,3}) \\ (1.-3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (1.3_{4,3}) & \\ & (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (0.-3_{3,2}) \\
 (1.-3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times (2.-3_{4,2}) \gg \Upsilon > (1.3_{3,4}) & & \\
 (0.3_{2,3}) & & (1.-3_{4,3})
 \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc}
 (2.3_{2,4}) & & (1.-3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) & & \\
 (1.3_{3,4}) & & (2.-3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (2.-3_{4,2}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) & & \\
 (2.3_{2,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.-3_{4,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (1.-3_{4,3}) & & \\
 (2.3_{2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.3_{2,4}) & & (0.-3_{3,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (1.-3_{4,3}) & & \\
 (0.3_{2,3}) & & (2.-3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (1.-3_{4,3}) \\
 (2.3_{2,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (2.-3_{4,2}) & & \\
 (1.3_{3,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (0.-3_{3,2}) \\
 (2.3_{2,4}) \gg \Upsilon > (1.-3_{3,4}) \times (1.3_{4,3}) \gg \Upsilon > (2.-3_{4,2}) & & \\
 (0.3_{2,3}) & & (1.-3_{4,3})
 \end{array}$$

### 11. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.2_{1,2}) \times (0.-2_{2,1} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

## Qualitative Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.-3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.-3_{2,4}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.2_{1,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (2.-3_{2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.3_{4,2}) & \\ & (2.2_{1,2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-2_{4,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.2_{1,2}) \times & (0.-2_{2,1}) \gg \Upsilon > (2.3_{4,2}) & \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times & (1.-2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) & \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (2.3_{4,2}) \\ (0.2_{1,2}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (2.-3_{2,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (2.-3_{2,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (2.-3_{2,4}) & & (0.-2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\ (0.2_{1,2}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (2.2_{4,2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (2.2_{1,2,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (0.-2_{2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.2_{1,2}) & & (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} (2.-3_{2,4}) & & (1.-2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (1.2_{1,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.3_{4,2}) \\ (0.2_{1,2}) \gg \Upsilon > (2.2_{1,2,4}) \times (2.2_{4,2,1}) \gg \Upsilon > (0.-2_{2,1}) \\ (2.-3_{2,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ (2.-3_{2,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (2.-3_{2,4}) & & (0.-2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\ (0.2_{1,2}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (1.-2_{4,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (2.3_{4,2}) \\ (1.2_{1,2,4}) & & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (0.-2_{2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (2.3_{4,2}) \\ (0.2_{1,2}) & & (1.-2_{4,1}) \end{array}$$

Interpretative Handlung

$$\begin{array}{ccc} (2.2_{1,2,4}) & & (1.-2_{4,1}) \\ (0.2_{1,2}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (0.-2_{2,1}) \\ (1.2_{1,4}) & & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} (1.2_{1,4}) & & (2.2_{4,2,1}) \\ (0.2_{1,2}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (0.-2_{2,1}) \\ (2.2_{1,2,4}) & & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} (0.2_{1,2}) & & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (1.-2_{4,1}) \\ (2.2_{1,2,4}) & & (0.-2_{2,1}) \end{array}$$



$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-2_{2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (0.2_{1,2}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.2_{1,2}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (0.-2_{2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (0.-2_{2,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (0.2_{1,2}) & (1.-2_{4,1}) \end{array}$$

## 12. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.2_{1,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-2_{4,1} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

### Qualitative Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.2_{1,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (1.-2_{4,1}) \\ & (2.-3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.-3_{2,4}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (1.2_{1,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (2.-3_{2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (2.2_{4,2,1}) \\
 (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\
 (2.2_{1,2,4}) & & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (1.-2_{4,1}) \\
 (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\
 (1.2_{1,4}) & & (2.2_{4,2,1})
 \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (2.2_{4,2,1}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\
 (2.2_{1,2,4}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (2.3_{4,2}) \\
 (0.3_{2,3}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (0.-3_{3,2}) \\
 (2.-3_{2,4}) & & (2.2_{4,2,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.3_{4,2}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (2.-3_{2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (0.-3_{3,2}) \\
 (2.2_{1,2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.2_{4,2,1}) \\
 (0.3_{2,3}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.2_{4,2,1}) \\
 (2.-3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > (2.3_{4,2}) \\
 (2.2_{1,2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.2_{1,2,4}) & & (0.-3_{3,2}) \\
 (2.-3_{2,4}) \gg \Upsilon > (1.2_{1,4}) \times (1.-2_{4,1}) \gg \Upsilon > & & (2.3_{4,2}) \\
 (0.3_{2,3}) & & (2.2_{4,2,1})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (1.-2_{4,1}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (0.-3_{3,2}) \\
 (1.2_{1,4}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (2.3_{4,2}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (0.-3_{3,2}) \\
 (2.-3_{2,4}) & & (1.-2_{4,1})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.3_{4,2}) \\
 (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\
 (2.-3_{2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (0.-3_{3,2}) \\
 (1.2_{1,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (1.-2_{4,1}) \\
 (0.3_{2,3}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (1.-2_{4,1}) \\
 (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (2.3_{4,2}) \\
 (1.2_{1,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.2_{1,4}) & & (0.-3_{3,2}) \\
 (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > & (2.3_{4,2}) \\
 (0.3_{2,3}) & & (1.-2_{4,1})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-2_{4,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.2_{1,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (2.2_{1,2,4}) & (1.-2_{4,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.2_{4,2,1}) \\ (1.2_{1,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (2.2_{1,2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-3_{3,2}) \\ (1.2_{1,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-2_{4,1}) & \\ & (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-2_{4,1}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (1.2_{1,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.2_{1,4}) & (0.-3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) & \\ & (0.3_{2,3}) & (1.-2_{4,1}) \end{array}$$

## 13. Pre-semiotic system

$$(2.-3_{2,4} \ 2.2_{1,2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.2_{4,2,1} \ 2.3_{4,2})$$

## Qualitative Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ & (2.-3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (2.-3_{2,4}) & (1.-3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.3_{3,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (2.-3_{2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.2_{4,2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ & (2.2_{1,2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (1.-3_{4,3}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ & (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ & (2.2_{1,2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (2.-3_{2,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.3_{4,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (2.-3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.-3_{2,4}) & (0.-3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.2_{4,2,1}) \\ & (0.3_{2,3}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.2_{4,2,1}) \\ (2.-3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.3_{4,2}) \\ & (2.2_{1,2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-3_{3,2}) \\ (2.-3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.3_{4,2}) \\ & (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\ & (1.3_{3,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.2_{1,2,4}) & \times & (2.2_{4,2,1}) \gg \Upsilon > (0.-3_{3,2}) \\ & (2.-3_{2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (2.-3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{cc} (2.-3_{2,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (1.-3_{4,3}) \\ (0.3_{2,3}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (1.-3_{4,3}) \\ (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{cc} (1.3_{3,4}) & (0.-3_{3,2}) \\ (2.-3_{2,4}) \gg \Upsilon > (2.2_{1,2,4}) \times & (2.2_{4,2,1}) \gg \Upsilon > (2.3_{4,2}) \\ (0.3_{2,3}) & (1.-3_{4,3}) \end{array}$$

Interpretative Handlung

$$\begin{array}{cc} (2.2_{1,2,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) \\ (1.3_{3,4}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{cc} (1.3_{3,4}) & (2.2_{4,2,1}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) \\ (2.2_{1,2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{cc} (0.3_{2,3}) & (2.2_{4,2,1}) \\ (1.3_{3,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) \\ (2.2_{1,2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.2_{1,2,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) \\ & (0.3_{2,3}) & (2.2_{4,2,1}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-3_{4,3}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (0.-3_{3,2}) \\ (2.2_{1,2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.2_{4,2,1}) \\ & (0.3_{2,3}) & (1.-3_{4,3}) \end{array}$$

#### 14. Präsemiotisches Dualsystem

$$(2.-3_{2,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 2.3_{4,2})$$

#### Qualitative Handlung

$$\begin{array}{ccc} & (2.-3_{2,4}) & (2.-3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ & (2.3_{2,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (2.3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ & (2.-3_{2,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (2.-3_{2,4}) & (1.-3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.-3_{4,2}) \\ & (1.3_{3,4}) & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times & (0.-3_{3,2}) \gg \Upsilon > (2.-3_{4,2}) \\ & (2.-3_{2,4}) & (1.-3_{4,3}) \end{array}$$



$$\begin{array}{ccc} (1.3_{3,4}) & & (2.-3_{4,2}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ (2.3_{2,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (1.-3_{4,3}) \\ (2.-3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.3_{4,2}) \\ (1.3_{3,4}) & & (2.-3_{4,2}) \end{array}$$

### Mediale Handlung

$$\begin{array}{ccc} (2.-3_{2,4}) & & (2.-3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (2.3_{2,4}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (2.-3_{2,4}) & & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > 1.3_{3,4} \times (1.-3_{4,3}) \gg \Upsilon > (2.-3_{4,2}) \\ (2.-3_{2,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.-3_{2,4}) & & (0.-3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (2.-3_{4,2}) \\ (0.3_{2,3}) & & (2.3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (2.-3_{4,2}) \\ (2.-3_{2,4}) \gg > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (2.3_{4,2}) \\ (2.3_{2,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc}
 (2.3_{2,4}) & & (0.-3_{3,2}) \\
 (2.-3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & & (1.-3_{4,3}) \gg \Upsilon > (2.3_{4,2}) \\
 (0.3_{2,3}) & & (2.-3_{4,2})
 \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (1.-3_{4,3}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) \\
 (1.3_{3,4}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (2.3_{4,2}) \\
 (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) \\
 (2.-3_{2,4}) & & (1.-3_{4,3})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (2.3_{4,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) \\
 (2.-3_{2,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (2.-3_{2,4}) & & (0.-3_{3,2}) \\
 (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) \\
 (0.3_{2,3}) & & (2.3_{4,2})
 \end{array}$$

$$\begin{array}{ccc}
 (0.3_{2,3}) & & (1.-3_{4,3}) \\
 (2.-3_{2,4}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (2.3_{4,2}) \\
 (1.3_{3,4}) & & (0.-3_{3,2})
 \end{array}$$

$$\begin{array}{ccc}
 (1.3_{3,4}) & & (0.-3_{3,2}) \\
 (2.-3_{2,4}) \gg \Upsilon > (2.3_{2,4}) \times & & (2.-3_{4,2}) \gg \Upsilon > (2.3_{4,2}) \\
 (0.3_{2,3}) & & (1.-3_{4,3})
 \end{array}$$

## Interpretative Handlung

$$\begin{array}{ccc} & (2.3_{2,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.3_{3,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.-3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (2.3_{2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.-3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (2.3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (0.3_{2,3}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.-3_{4,2}) & \\ & (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (0.-3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (2.-3_{2,4}) \times & (2.3_{4,2}) \gg \Upsilon > (2.-3_{4,2}) & \\ & (0.3_{2,3}) & (1.-3_{4,3}) \end{array}$$

## 15. Präsemiotisches Dualsystem

$$(3.3_{2,3,4} \ 2.3_{2,4} \ 1.3_{3,4} \ 0.3_{2,3}) \times (0.-3_{3,2} \ 1.-3_{4,3} \ 2.-3_{4,2} \ 3.3_{4,3,2})$$

## Qualitative Handlung

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (2.-3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ (2.3_{2,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (3.3_{4,3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (1.-3_{4,3}) \\ (3.3_{2,3,4}) & & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (1.-3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.-3_{4,2}) \\ (1.3_{3,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (3.3_{4,3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (2.-3_{4,2}) \\ (3.3_{2,3,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (2.-3_{4,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (3.3_{4,3,2}) \\ (2.3_{2,4}) & & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (1.-3_{4,3}) \\ (3.3_{2,3,4}) \gg \Upsilon > (0.3_{2,3}) \times (0.-3_{3,2}) \gg \Upsilon > (3.3_{4,3,2}) \\ (1.3_{3,4}) & & (2.-3_{4,2}) \end{array}$$

## Mediale Handlung

$$\begin{array}{ccc} (3.3_{2,3,4}) & & (2.-3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times (1.-3_{4,3}) \gg \Upsilon > (0.-3_{3,2}) \\ (2.3_{2,4}) & & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (2.3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (2.-3_{2,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.3_{4,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.-3_{4,2}) \\ & (2.-3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (3.3_{2,3,4}) & (0.-3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (2.-3_{4,2}) \\ & (0.3_{2,3}) & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.-3_{4,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (3.3_{4,3,2}) \\ & (2.3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (2.3_{2,4}) & (0.-3_{3,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (1.3_{3,4}) \times & (1.-3_{4,3}) \gg \Upsilon > & (3.3_{4,3,2}) \\ & (0.3_{2,3}) & (2.-3_{4,2}) \end{array}$$

### Objektale Handlung

$$\begin{array}{ccc} & (3.3_{2,3,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (1.3_{3,4}) & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (3.3_{4,3,2}) \\ (0.3_{2,3}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > & (0.-3_{3,2}) \\ & (3.3_{2,3,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (3.3_{4,3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (3.3_{2,3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (3.3_{2,3,4}) & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (1.-3_{3,4}) & \\ & (0.3_{2,3}) & (3.3_{4,3,2}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (1.-3_{4,3}) \\ (3.3_{2,3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (3.3_{2,3,4}) & \\ & (1.3_{3,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (0.-3_{3,2}) \\ (3.3_{2,3,4}) \gg \Upsilon > (2.3_{2,4}) \times & (2.-3_{4,2}) \gg \Upsilon > (3.3_{4,3,2}) & \\ & (0.3_{2,3}) & (1.-3_{4,3}) \end{array}$$

### Interpretative Handlung

$$\begin{array}{ccc} & (2.3_{2,4}) & (1.-3_{4,3}) \\ (0.3_{2,3}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (1.3_{3,4}) & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} & (1.3_{3,4}) & (2.-3_{4,2}) \\ (0.3_{2,3}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > (0.-3_{3,2}) & \\ & (2.3_{2,4}) & (1.-3_{4,3}) \end{array}$$

$$\begin{array}{ccc} & (0.3_{2,3}) & (2.-3_{4,2}) \\ (1.3_{3,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > (1.-3_{4,3}) & \\ & (2.3_{2,4}) & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (2.3_{2,4}) & & (0.-3_{3,2}) \\ (1.3_{3,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > & (1.-3_{4,3}) \\ (0.3_{2,3}) & & (2.-3_{4,2}) \end{array}$$

$$\begin{array}{ccc} (0.3_{2,3}) & & (1.-3_{4,3}) \\ (2.3_{2,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > & (2.-3_{4,2}) \\ (1.3_{3,4}) & & (0.-3_{3,2}) \end{array}$$

$$\begin{array}{ccc} (1.3_{3,4}) & & (0.-3_{3,2}) \\ (2.3_{2,4}) \gg \Upsilon > (3.3_{2,3,4}) \times & (3.3_{4,3,2}) \gg \Upsilon > & (2.-3_{4,2}) \\ (0.3_{2,3}) & & (1.-3_{4,3}) \end{array}$$

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