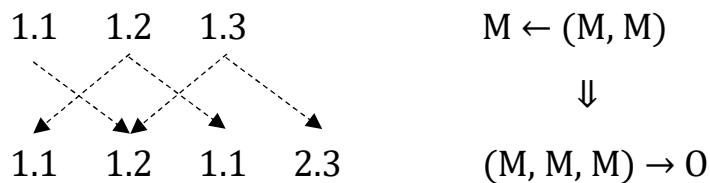


## Abbildungen 3-stelliger auf 4-stellige Realitätsthematiken

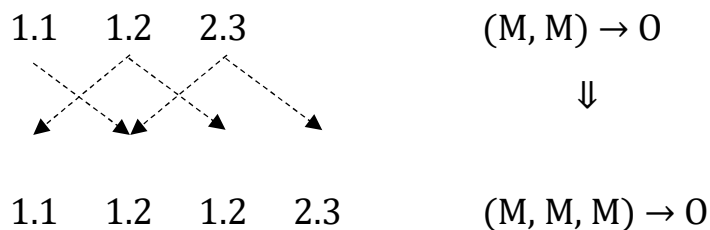
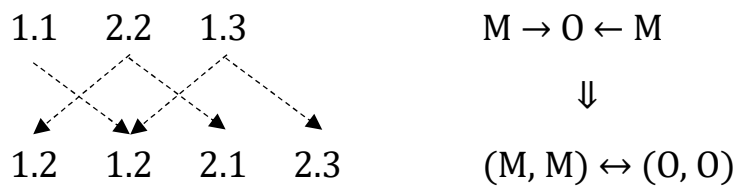
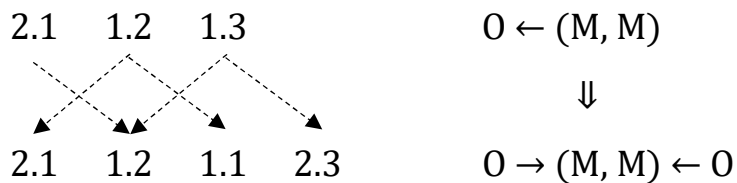
1. Im folgenden bilden wir die 3-stelligen (nicht-trajektischen) auf die 4-stelligen (trajektischen) Thematisierungstypen (vgl. Toth 2026a) aller 27 ternären semiotischen Dualsystem ab, indem wir Tripelrelationen mit gleichen Thematisierungen zusammenstellen. Es gilt der Satz: Trajektion erhöht die Stelligkeit einer Relation, aber nicht die Anzahl ihrer Werte (vgl. Toth 2026b).

### 2. Abbildungen 3-stelliger auf 4-stellige Realitätsthematiken

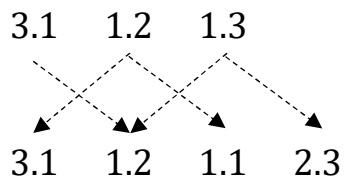
#### 2.1. M-them. M



#### 2.2. M-them. O



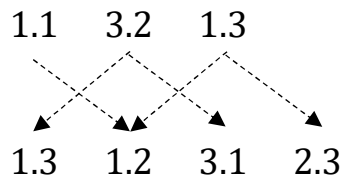
### 2.3. M-them. I



$$I \leftarrow (M, M)$$

$$\Downarrow$$

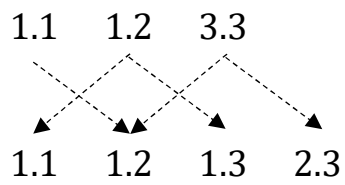
$$I \leftarrow (M, M) \rightarrow O$$



$$M \rightarrow I \leftarrow M$$

$$\Downarrow$$

$$(M, M) \rightarrow (I, O)$$

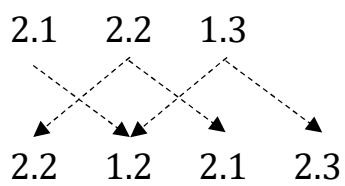


$$(M, M) \rightarrow I$$

$$\Downarrow$$

$$(M, M, M) \rightarrow O$$

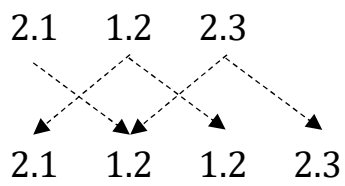
### 2.4. O-them. M



$$(O, O) \rightarrow M$$

$$\Downarrow$$

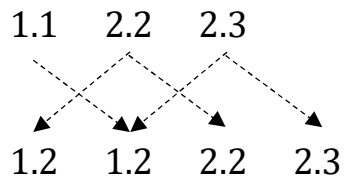
$$O \rightarrow M \leftarrow (O, O)$$



$$O \rightarrow M \leftarrow O$$

$$\Downarrow$$

$$O \leftarrow (M, M) \rightarrow O$$

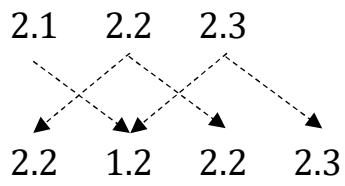


$$M \leftarrow (O, O)$$

$$\Downarrow$$

$$(M, M) \leftrightarrow (O, O)$$

2.5. 0-them. 0

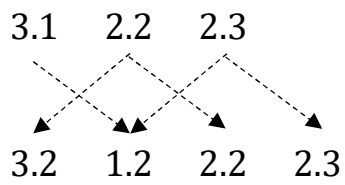


$$0 \leftarrow (0, 0)$$

$$\Downarrow$$

$$0 \rightarrow M \leftarrow (0, 0)$$

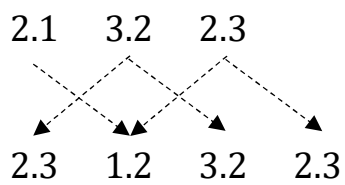
2.6. 0-them. I



$$I \leftarrow (0, 0)$$

$$\Downarrow$$

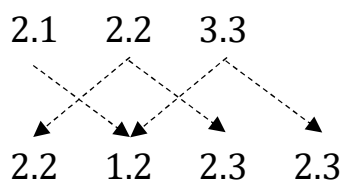
$$(I, M) \leftarrow (0, 0)$$



$$0 \rightarrow I \leftarrow 0$$

$$\Downarrow$$

$$0 \rightarrow (M, I) \leftarrow 0$$

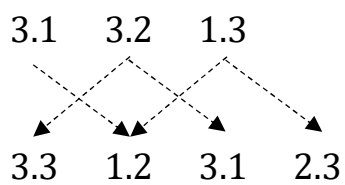


$$(0, 0) \rightarrow I$$

$$\Downarrow$$

$$0 \rightarrow M \leftarrow (0, 0)$$

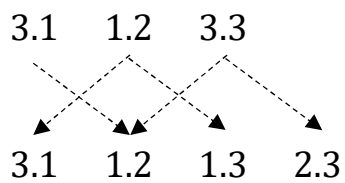
2.7. I-them. M



$$(I, I) \rightarrow M$$

$$\Downarrow$$

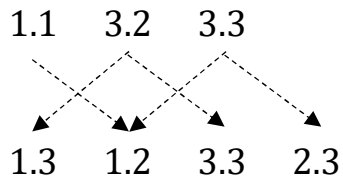
$$I \rightarrow M \leftarrow (I, 0)$$



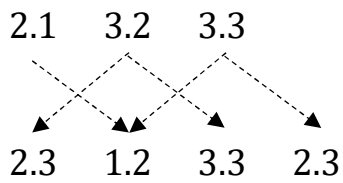
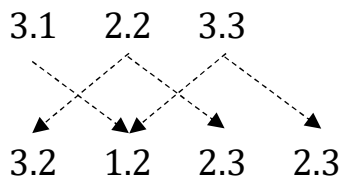
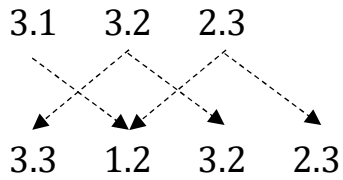
$$I \rightarrow M \leftarrow I$$

$$\Downarrow$$

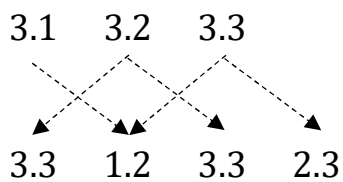
$$I \leftarrow (M, M) \rightarrow 0$$



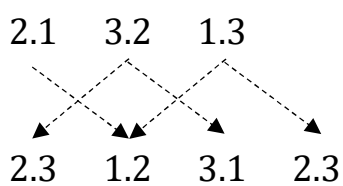
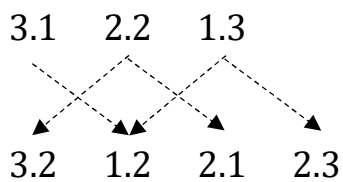
2.8. I-them. 0



2.9. I-them. I



2.10. Triadische Them.



$$M \leftarrow (I, I)$$

$$\Downarrow$$

$$(M, M) \rightarrow (I, O)$$

$$(I, I) \rightarrow O$$

$$\Downarrow$$

$$I \rightarrow M \leftarrow (I, O)$$

$$I \rightarrow O \leftarrow I$$

$$\Downarrow$$

$$(I, M) \leftarrow (O, O)$$

$$O \leftarrow (I, I)$$

$$\Downarrow$$

$$O \rightarrow (M, I) \leftarrow O$$

$$I \leftarrow (I, I)$$

$$\Downarrow$$

$$I \rightarrow M \leftarrow (I, O)$$

$$I \rightarrow O \leftarrow M$$

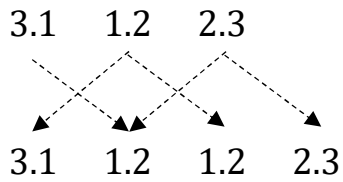
$$\Downarrow$$

$$(I, M) \leftarrow (O, O)$$

$$O \rightarrow I \leftarrow M$$

$$\Downarrow$$

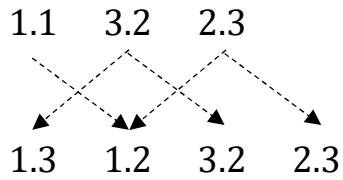
$$O \rightarrow (M, I) \leftarrow O$$



$$I \rightarrow M \leftarrow O$$

$$\Downarrow$$

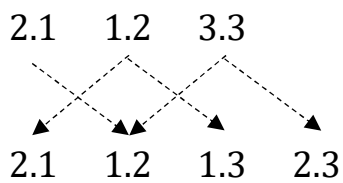
$$I \leftarrow (M, M) \rightarrow O$$



$$M \rightarrow I \leftarrow O$$

$$\Downarrow$$

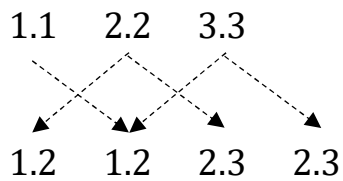
$$(M, M) \rightarrow (I, O)$$



$$O \rightarrow M \leftarrow I$$

$$\Downarrow$$

$$O \leftarrow (M, M) \rightarrow O$$



$$M \rightarrow O \leftarrow I$$

$$\Downarrow$$

$$(M, M) \leftrightarrow (O, O)$$

## Literatur

Toth, Alfred, Die Übergänge zu 4-wertigen trajektischen Thematisierungen. In: Electronic Journal for Mathematical Semiotics, 2026a

Toth, Alfred, Erweiterung relationaler Stelligkeit durch Trajektion. In: Electronic Journal for Mathematical Semiotics, 2026b

27.3.2026