

**Prof. Dr. Alfred Toth**

## **Das Zeichen als triadische Triade**

1. Die allgemeine Form einer triadischen Triade ist

$$R = ((a, b, c), (d, e, f), (g, h, i)).$$

Falls die Orte der Werte konstant sind, haben wir alle Permutationen

$$\begin{array}{lll} 1 \rightarrow a, d, g & 1 \rightarrow b, e, h & 1 \rightarrow c, f, i \\ 2 \rightarrow b, e, h & 2 \rightarrow c, f, i & 2 \rightarrow a, d, g \\ 3 \rightarrow c, f, i & 3 \rightarrow a, d, g & 3 \rightarrow b, e, h . \end{array}$$

Falls die Orte nicht konstant sind, gilt noch einfacher

$$(a \dots i) \in (1, 2, 3)$$

2. Wir gehen von der Nicht-Konstanz der Abbildung semiotischer Werte auf Orte (vgl. Toth 2026a-c) aus und bekommen auf diese Weise 36 mal  $6 = 216$  triadische Triaden.

$$R = ((1, 2, 3), (1, 2, 3), (1, 2, 3))$$

$$R = ((1, 2, 3), (1, 3, 2), (1, 2, 3))$$

$$R = ((1, 2, 3), (2, 1, 3), (1, 2, 3))$$

$$R = ((1, 2, 3), (2, 3, 1), (1, 2, 3))$$

$$R = ((1, 2, 3), (3, 1, 2), (1, 2, 3))$$

$$R = ((1, 2, 3), (3, 2, 1), (1, 2, 3))$$

$$R = ((1, 2, 3), (1, 2, 3), (1, 3, 2))$$

$$R = ((1, 2, 3), (1, 3, 2), (1, 3, 2))$$

$$R = ((1, 2, 3), (2, 1, 3), (1, 3, 2))$$

$$R = ((1, 2, 3), (2, 3, 1), (1, 3, 2))$$

$$R = ((1, 2, 3), (3, 1, 2), (1, 3, 2))$$

$$R = ((1, 2, 3), (3, 2, 1), (1, 3, 2))$$

$$R = ((1, 2, 3), (1, 2, 3), (2, 1, 3))$$

$$R = ((1, 2, 3), (1, 3, 2), (2, 1, 3))$$

$$R = ((1, 2, 3), (2, 1, 3), (2, 1, 3))$$

$$R = ((1, 2, 3), (2, 3, 1), (2, 1, 3))$$

$$R = ((1, 2, 3), (3, 1, 2), (2, 1, 3))$$

$$R = ((1, 2, 3), (3, 2, 1), (2, 1, 3))$$

$$R = ((1, 2, 3), (1, 2, 3), (2, 3, 1))$$

$$R = ((1, 2, 3), (1, 3, 2), (2, 3, 1))$$

$$R = ((1, 2, 3), (2, 1, 3), (2, 3, 1))$$

$$R = ((1, 2, 3), (2, 3, 1), (2, 3, 1))$$

$$R = ((1, 2, 3), (3, 1, 2), (2, 3, 1))$$

$$R = ((1, 2, 3), (3, 2, 1), (2, 3, 1))$$

$$R = ((1, 2, 3), (1, 2, 3), (3, 1, 2))$$

$$R = ((1, 2, 3), (1, 3, 2), (3, 1, 2))$$

$$R = ((1, 2, 3), (2, 1, 3), (3, 1, 2))$$

$$R = ((1, 2, 3), (2, 3, 1), (3, 1, 2))$$

$$R = ((1, 2, 3), (3, 1, 2), (3, 1, 2))$$

$$R = ((1, 2, 3), (3, 2, 1), (3, 1, 2))$$

$$R = ((1, 2, 3), (1, 2, 3), (3, 2, 1))$$

$$R = ((1, 2, 3), (1, 3, 2), (3, 2, 1))$$

$$R = ((1, 2, 3), (2, 1, 3), (3, 2, 1))$$

$$R = ((1, 2, 3), (2, 3, 1), (3, 2, 1))$$

$$R = ((1, 2, 3), (3, 1, 2), (3, 2, 1))$$

$$R = ((1, 2, 3), (3, 2, 1), (3, 2, 1))$$

---

$$R = ((1, 3, 2), (1, 2, 3), (1, 2, 3))$$

$$R = ((1, 3, 2), (1, 3, 2), (1, 2, 3))$$

$$R = ((1, 3, 2), (2, 1, 3), (1, 2, 3))$$

$$R = ((1, 3, 2), (2, 3, 1), (1, 2, 3))$$

$$R = ((1, 3, 2), (3, 1, 2), (1, 2, 3))$$

$$R = ((1, 3, 2), (3, 2, 1), (1, 2, 3))$$

$$R = ((1, 3, 2), (1, 2, 3), (1, 3, 2))$$

$$R = ((1, 3, 2), (1, 3, 2), (1, 3, 2))$$

$$R = ((1, 3, 2), (2, 1, 3), (1, 3, 2))$$

$$R = ((1, 3, 2), (2, 3, 1), (1, 3, 2))$$

$$R = ((1, 3, 2), (3, 1, 2), (1, 3, 2))$$

$$R = ((1, 3, 2), (3, 2, 1), (1, 3, 2))$$

$$R = ((1, 3, 2), (1, 2, 3), (2, 1, 3))$$

$$R = ((1, 3, 2), (1, 3, 2), (2, 1, 3))$$

$$R = ((1, 3, 2), (2, 1, 3), (2, 1, 3))$$

$$R = ((1, 3, 2), (2, 3, 1), (2, 1, 3))$$

$$R = ((1, 3, 2), (3, 1, 2), (2, 1, 3))$$

$$R = ((1, 3, 2), (3, 2, 1), (2, 1, 3))$$

$$R = ((1, 3, 2), (1, 2, 3), (2, 3, 1))$$

$$R = ((1, 3, 2), (1, 3, 2), (2, 3, 1))$$

$$R = ((1, 3, 2), (2, 1, 3), (2, 3, 1))$$

$$R = ((1, 3, 2), (2, 3, 1), (2, 3, 1))$$

$$R = ((1, 3, 2), (3, 1, 2), (2, 3, 1))$$

$$R = ((1, 3, 2), (3, 2, 1), (2, 3, 1))$$

$$R = ((1, 3, 2), (1, 2, 3), (3, 1, 2))$$

$$R = ((1, 3, 2), (1, 3, 2), (3, 1, 2))$$

$$R = ((1, 3, 2), (2, 1, 3), (3, 1, 2))$$

$$R = ((1, 3, 2), (2, 3, 1), (3, 1, 2))$$

$$R = ((1, 3, 2), (3, 1, 2), (3, 1, 2))$$

$$R = ((1, 3, 2), (3, 2, 1), (3, 1, 2))$$

$$R = ((1, 3, 2), (1, 2, 3), (3, 2, 1))$$

$$R = ((1, 3, 2), (1, 3, 2), (3, 2, 1))$$

$$R = ((1, 3, 2), (2, 1, 3), (3, 2, 1))$$

$$R = ((1, 3, 2), (2, 3, 1), (3, 2, 1))$$

$$R = ((1, 3, 2), (3, 1, 2), (3, 2, 1))$$

$$R = ((1, 3, 2), (3, 2, 1), (3, 2, 1))$$

---

$$R = ((2, 1, 3), (1, 2, 3), (1, 2, 3))$$

$$R = ((2, 1, 3), (1, 3, 2), (1, 2, 3))$$

$$R = ((2, 1, 3), (2, 1, 3), (1, 2, 3))$$

$$R = ((2, 1, 3), (2, 3, 1), (1, 2, 3))$$

$$R = ((2, 1, 3), (3, 1, 2), (1, 2, 3))$$

$$R = ((2, 1, 3), (3, 2, 1), (1, 2, 3))$$

$$R = ((2, 1, 3), (1, 2, 3), (1, 3, 2))$$

$$R = ((2, 1, 3), (1, 3, 2), (1, 3, 2))$$

$$R = ((2, 1, 3), (2, 1, 3), (1, 3, 2))$$

$$R = ((2, 1, 3), (2, 3, 1), (1, 3, 2))$$

$$R = ((2, 1, 3), (3, 1, 2), (1, 3, 2))$$

$$R = ((2, 1, 3), (3, 2, 1), (1, 3, 2))$$

$$R = ((2, 1, 3), (1, 2, 3), (2, 1, 3))$$

$$R = ((2, 1, 3), (1, 3, 2), (2, 1, 3))$$

$$R = ((2, 1, 3), (2, 1, 3), (2, 1, 3))$$

$$R = ((2, 1, 3), (2, 3, 1), (2, 1, 3))$$

$$R = ((2, 1, 3), (3, 1, 2), (2, 1, 3))$$

$$R = ((2, 1, 3), (3, 2, 1), (2, 1, 3))$$

$$R = ((2, 1, 3), (1, 2, 3), (2, 3, 1))$$

$$R = ((2, 1, 3), (1, 3, 2), (2, 3, 1))$$

$$R = ((2, 1, 3), (2, 1, 3), (2, 3, 1))$$

$$R = ((2, 1, 3), (2, 3, 1), (2, 3, 1))$$

$$R = ((2, 1, 3), (3, 1, 2), (2, 3, 1))$$

$$R = ((2, 1, 3), (3, 2, 1), (2, 3, 1))$$

$$R = ((2, 1, 3), (1, 2, 3), (3, 1, 2))$$

$$R = ((2, 1, 3), (1, 3, 2), (3, 1, 2))$$

$$R = ((2, 1, 3), (2, 1, 3), (3, 1, 2))$$

$$R = ((2, 1, 3), (2, 3, 1), (3, 1, 2))$$

$$R = ((2, 1, 3), (3, 1, 2), (3, 1, 2))$$

$$R = ((2, 1, 3), (3, 2, 1), (3, 1, 2))$$

$$R = ((2, 1, 3), (1, 2, 3), (3, 2, 1))$$

$$R = ((2, 1, 3), (1, 3, 2), (3, 2, 1))$$

$$R = ((2, 1, 3), (2, 1, 3), (3, 2, 1))$$

$$R = ((2, 1, 3), (2, 3, 1), (3, 2, 1))$$

$$R = ((2, 1, 3), (3, 1, 2), (3, 2, 1))$$

$$R = ((2, 1, 3), (3, 2, 1), (3, 2, 1))$$

---

$$R = ((2, 3, 1), (1, 2, 3), (1, 2, 3))$$

$$R = ((2, 3, 1), (1, 3, 2), (1, 2, 3))$$

$$R = ((2, 3, 1), (2, 1, 3), (1, 2, 3))$$

$$R = ((2, 3, 1), (2, 3, 1), (1, 2, 3))$$

$$R = ((2, 3, 1), (3, 1, 2), (1, 2, 3))$$

$$R = ((2, 3, 1), (3, 2, 1), (1, 2, 3))$$

$$R = ((2, 3, 1), (1, 2, 3), (1, 3, 2))$$

$$R = ((2, 3, 1), (1, 3, 2), (1, 3, 2))$$

$$R = ((2, 3, 1), (2, 1, 3), (1, 3, 2))$$

$$R = ((2, 3, 1), (2, 3, 1), (1, 3, 2))$$

$$R = ((2, 3, 1), (3, 1, 2), (1, 3, 2))$$

$$R = ((2, 3, 1), (3, 2, 1), (1, 3, 2))$$

$$R = ((2, 3, 1), (1, 2, 3), (2, 1, 3))$$

$$R = ((2, 3, 1), (1, 3, 2), (2, 1, 3))$$

$$R = ((2, 3, 1), (2, 1, 3), (2, 1, 3))$$

$$R = ((2, 3, 1), (2, 3, 1), (2, 1, 3))$$

$$R = ((2, 3, 1), (3, 1, 2), (2, 1, 3))$$

$$R = ((2, 3, 1), (3, 2, 1), (2, 1, 3))$$

$$R = ((2, 3, 1), (1, 2, 3), (2, 3, 1))$$

$$R = ((2, 3, 1), (1, 3, 2), (2, 3, 1))$$

$$R = ((2, 3, 1), (2, 1, 3), (2, 3, 1))$$

$$R = ((2, 3, 1), (2, 3, 1), (2, 3, 1))$$

$$R = ((2, 3, 1), (3, 1, 2), (2, 3, 1))$$

$$R = ((2, 3, 1), (3, 2, 1), (2, 3, 1))$$

$$R = ((2, 3, 1), (1, 2, 3), (3, 1, 2))$$

$$R = ((2, 3, 1), (1, 3, 2), (3, 1, 2))$$

$$R = ((2, 3, 1), (2, 1, 3), (3, 1, 2))$$

$$R = ((2, 3, 1), (2, 3, 1), (3, 1, 2))$$

$$R = ((2, 3, 1), (3, 1, 2), (3, 1, 2))$$

$$R = ((2, 3, 1), (3, 2, 1), (3, 1, 2))$$

$$R = ((2, 3, 1), (1, 2, 3), (3, 2, 1))$$

$$R = ((2, 3, 1), (1, 3, 2), (3, 2, 1))$$

$$R = ((2, 3, 1), (2, 1, 3), (3, 2, 1))$$

$$R = ((2, 3, 1), (2, 3, 1), (3, 2, 1))$$

$$R = ((2, 3, 1), (3, 1, 2), (3, 2, 1))$$

$$R = ((2, 3, 1), (3, 2, 1), (3, 2, 1))$$

---

$$R = ((3, 1, 2), (1, 2, 3), (1, 2, 3))$$

$$R = ((3, 1, 2), (1, 3, 2), (1, 2, 3))$$

$$R = ((3, 1, 2), (2, 1, 3), (1, 2, 3))$$

$$R = ((3, 1, 2), (2, 3, 1), (1, 2, 3))$$

$$R = ((3, 1, 2), (3, 1, 2), (1, 2, 3))$$

$$R = ((3, 1, 2), (3, 2, 1), (1, 2, 3))$$

$$R = ((3, 1, 2), (1, 2, 3), (1, 3, 2))$$

$$R = ((3, 1, 2), (1, 3, 2), (1, 3, 2))$$

$$R = ((3, 1, 2), (2, 1, 3), (1, 3, 2))$$

$$R = ((3, 1, 2), (2, 3, 1), (1, 3, 2))$$

$$R = ((3, 1, 2), (3, 1, 2), (1, 3, 2))$$

$$R = ((3, 1, 2), (3, 2, 1), (1, 3, 2))$$

$$R = ((3, 1, 2), (1, 2, 3), (2, 1, 3))$$

$$R = ((3, 1, 2), (1, 3, 2), (2, 1, 3))$$

$$R = ((3, 1, 2), (2, 1, 3), (2, 1, 3))$$

$$R = ((3, 1, 2), (2, 3, 1), (2, 1, 3))$$

$$R = ((3, 1, 2), (3, 1, 2), (2, 1, 3))$$

$$R = ((3, 1, 2), (3, 2, 1), (2, 1, 3))$$

$$R = ((3, 1, 2), (1, 2, 3), (2, 3, 1))$$

$$R = ((3, 1, 2), (1, 3, 2), (2, 3, 1))$$

$$R = ((3, 1, 2), (2, 1, 3), (2, 3, 1))$$

$$R = ((3, 1, 2), (2, 3, 1), (2, 3, 1))$$

$$R = ((3, 1, 2), (3, 1, 2), (2, 3, 1))$$

$$R = ((3, 1, 2), (3, 2, 1), (2, 3, 1))$$

$$R = ((3, 1, 2), (1, 2, 3), (3, 1, 2))$$

$$R = ((3, 1, 2), (1, 3, 2), (3, 1, 2))$$

$$R = ((3, 1, 2), (2, 1, 3), (3, 1, 2))$$

$$R = ((3, 1, 2), (2, 3, 1), (3, 1, 2))$$

$$R = ((3, 1, 2), (3, 1, 2), (3, 1, 2))$$

$$R = ((3, 1, 2), (3, 2, 1), (3, 1, 2))$$

$$R = ((3, 1, 2), (1, 2, 3), (3, 2, 1))$$

$$R = ((3, 1, 2), (1, 3, 2), (3, 2, 1))$$

$$R = ((3, 1, 2), (2, 1, 3), (3, 2, 1))$$

$$R = ((3, 1, 2), (2, 3, 1), (3, 2, 1))$$

$$R = ((3, 1, 2), (3, 1, 2), (3, 2, 1))$$

$$R = ((3, 1, 2), (3, 2, 1), (3, 2, 1))$$

---

$$R = ((3, 2, 1), (1, 2, 3), (1, 2, 3))$$

$$R = ((3, 2, 1), (1, 3, 2), (1, 2, 3))$$

$$R = ((3, 2, 1), (2, 1, 3), (1, 2, 3))$$

$$R = ((3, 2, 1), (2, 3, 1), (1, 2, 3))$$

$$R = ((3, 2, 1), (3, 1, 2), (1, 2, 3))$$

$$R = ((3, 2, 1), (3, 2, 1), (1, 2, 3))$$

$$R = ((3, 2, 1), (1, 2, 3), (1, 3, 2))$$

$$R = ((3, 2, 1), (1, 3, 2), (1, 3, 2))$$

$$R = ((3, 2, 1), (2, 1, 3), (1, 3, 2))$$

$$R = ((3, 2, 1), (2, 3, 1), (1, 3, 2))$$

$$R = ((3, 2, 1), (3, 1, 2), (1, 3, 2))$$

$$R = ((3, 2, 1), (3, 2, 1), (1, 3, 2))$$

$$R = ((3, 2, 1), (1, 2, 3), (2, 1, 3))$$

$$R = ((3, 2, 1), (1, 3, 2), (2, 1, 3))$$

$$R = ((3, 2, 1), (2, 1, 3), (2, 1, 3))$$

$$R = ((3, 2, 1), (2, 3, 1), (2, 1, 3))$$

$$R = ((3, 2, 1), (3, 1, 2), (2, 1, 3))$$

$$R = ((3, 2, 1), (3, 2, 1), (2, 1, 3))$$

$R = ((3, 2, 1), (1, 2, 3), (2, 3, 1))$

$R = ((3, 2, 1), (1, 3, 2), (2, 3, 1))$

$R = ((3, 2, 1), (2, 1, 3), (2, 3, 1))$

$R = ((3, 2, 1), (2, 3, 1), (2, 3, 1))$

$R = ((3, 2, 1), (3, 1, 2), (2, 3, 1))$

$R = ((3, 2, 1), (3, 2, 1), (2, 3, 1))$

$R = ((3, 2, 1), (1, 2, 3), (3, 1, 2))$

$R = ((3, 2, 1), (1, 3, 2), (3, 1, 2))$

$R = ((3, 2, 1), (2, 1, 3), (3, 1, 2))$

$R = ((3, 2, 1), (2, 3, 1), (3, 1, 2))$

$R = ((3, 2, 1), (3, 1, 2), (3, 1, 2))$

$R = ((3, 2, 1), (3, 2, 1), (3, 1, 2))$

$R = ((3, 2, 1), (1, 2, 3), (3, 2, 1))$

$R = ((3, 2, 1), (1, 3, 2), (3, 2, 1))$

$R = ((3, 2, 1), (2, 1, 3), (3, 2, 1))$

$R = ((3, 2, 1), (2, 3, 1), (3, 2, 1))$

$R = ((3, 2, 1), (3, 1, 2), (3, 2, 1))$

$R = ((3, 2, 1), (3, 2, 1), (3, 2, 1))$

#### Literatur

Toth, Alfred, Auflösung von Dualsystemen in Dyaden. In: Electronic Journal for Mathematical Semiotics, 2026a

Toth, Alfred, Eine Semiotik aus dyadischen Relationen. In: Electronic Journal for Mathematical Semiotics, 2026b

Toth, Alfred, Triadische Dyaden. In: Electronic Journal for Mathematical Semiotics, 2026c

24.2.2026