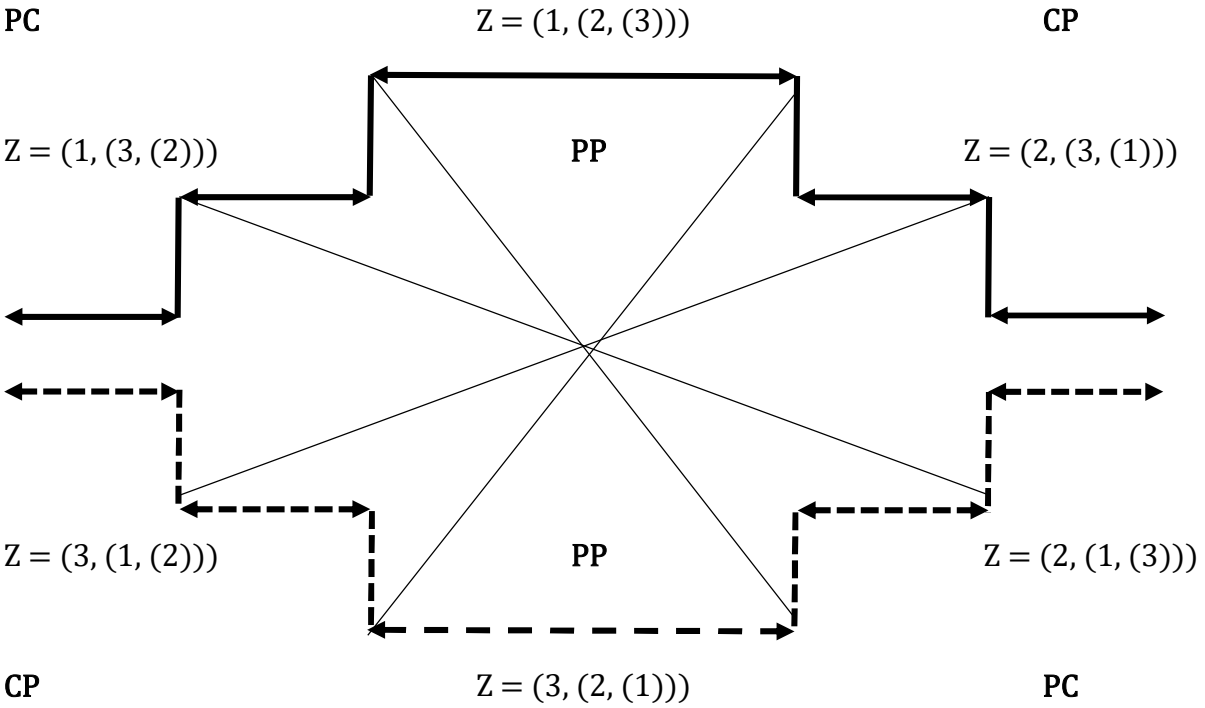
Prof. Dr. Alfred Toth

Zusammenhänge von S-Zahlenfeldern

1. In Toth (2025a, b) wurde ein neuer theoretischer Aufbau der Semiotik, basierend auf S-Zahlenfeldern, konzipiert. Ein S-Zahlenfeld hat die folgende Gestalt



darin die vier Zeichenrelationen als Quadrupel definiert sind.

PP-Quadrupel:

$$Z_{1,PP}^{3,3} = (1.1, 2.1, 3.1) \times (1.3, 1.2, 1.1)$$
$$(3.1, 2.1, 1.1) \times (1.1, 1.2, 1.3)$$

PC-Quadrupel:

$$Z_{1,PC}^{3,3} = (1.1, 3.1, 2.1) \times (1.2, 1.3, 1.1)$$
$$(2.1, 3.1, 1.1) \times (1.1, 1.3, 1.2)$$
$$Z_{1,PC}^{3,3} = (2.1, 1.1, 3.1) \times (1.3, 1.1, 1.2)$$
$$(3.1, 1.1, 2.1) \times (1.2, 1.1, 1.3)$$

CP-Quadrupel:

$$Z_{1,CP}^{3,3} = (2.1, 3.1, 1.1) \times (1.1, 1.3, 1.2)$$
$$(1.1, 3.1, 2.1) \times (1.2, 1.3, 1.1)$$

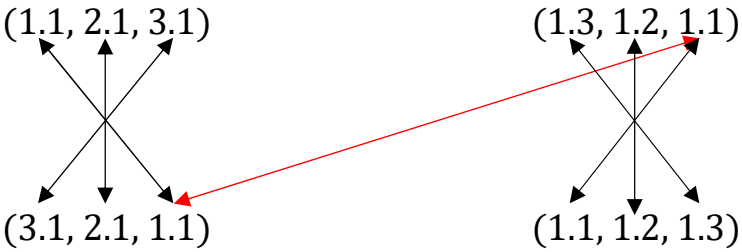
$Z_{1,CP}^{3,3}$ = (3.1, 1.1, 2.1) × (1.2, 1.1, 1.3)

(2.1, 1.1, 3.1) × (1.3, 1.1, 1.2)

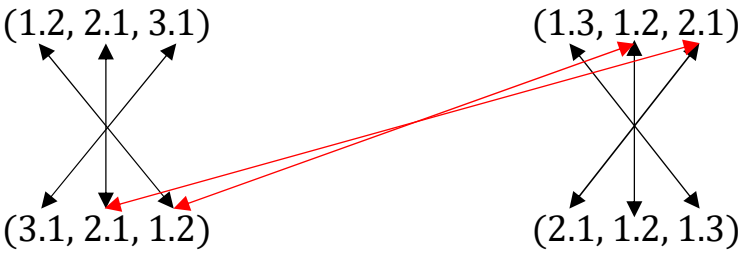
2. Im folgenden untersuchen wir die Konnexität dieser S-Zahlenfelder anhand aller $3^3 = 27$ PP-Quadrupel. (Da die PC- und die CP-Quadrupel lediglich in der Ordnung der Relationen differieren, brauchen sie nicht gesondert untersucht zu werden.) Zum Begriff der trichotomischen Triade vgl. Walther (1982).

2.1. Trichotomische Triade

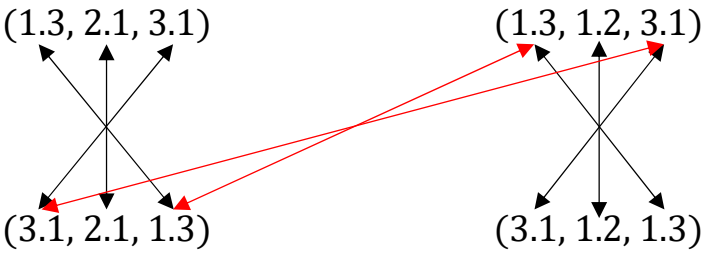
SF-$Z_1^{3,3}$ =



SF-$Z_2^{3,3}$ =

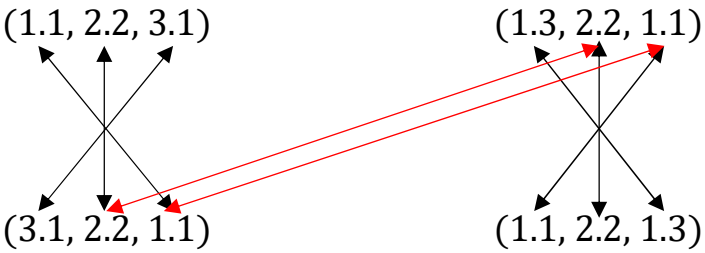


SF-$Z_3^{3,3}$ =

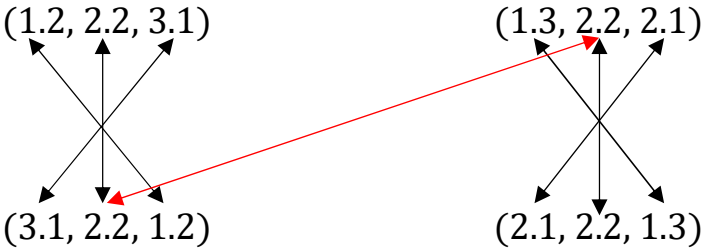


2.2. Trichotomische Triade

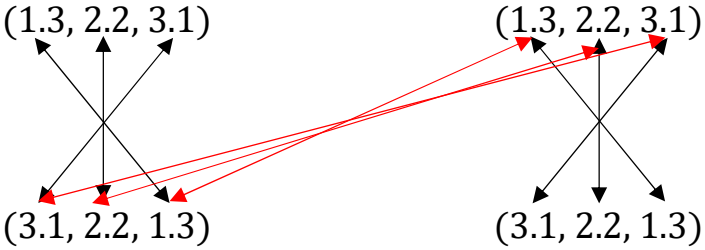
SF-$Z_4^{3,3}$ =



SF-$Z_5^{3,3}$ =

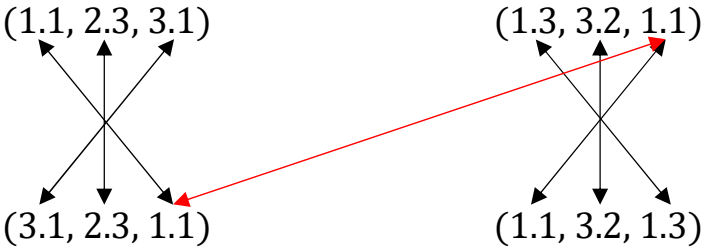


SF-$Z_6^{3,3}$ =

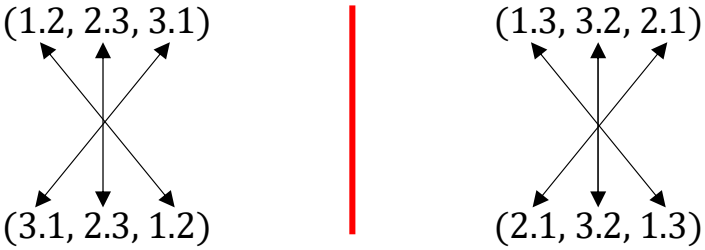


2.3. Trichotomische Triade

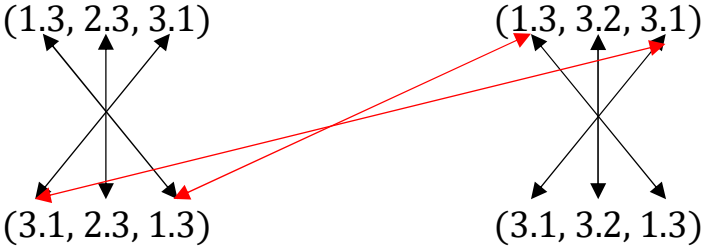
SF-$Z_7^{3,3}$ =



SF-$Z_8^{3,3}$ =

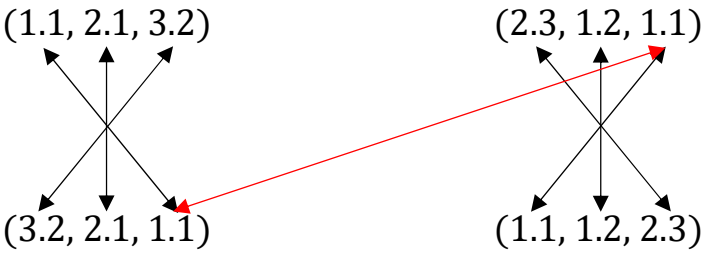


SF-$Z_9^{3,3}$ =

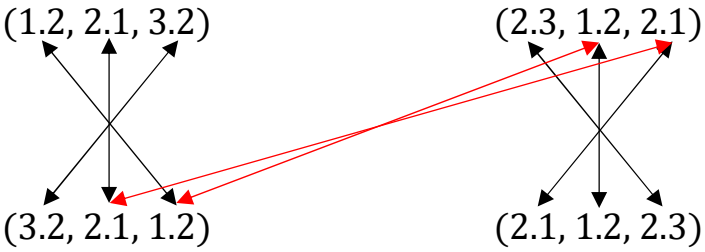


2.4. Trichotomische Triade

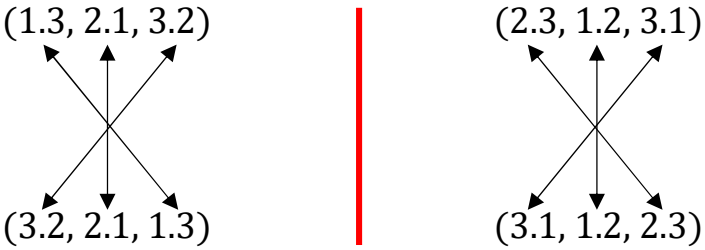
SF-$Z_{10}^{3,3}$ =



SF-$Z_{11}^{3,3}$ =

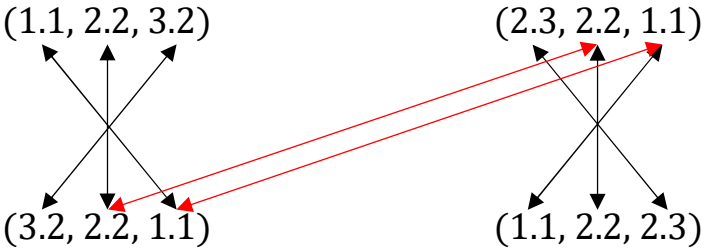


SF-$Z_{12}^{3,3}$ =

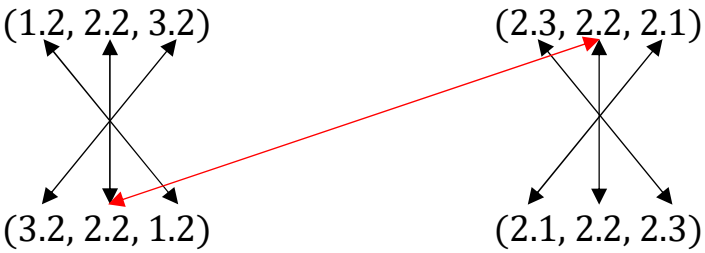


2.5. Trichotomische Triade

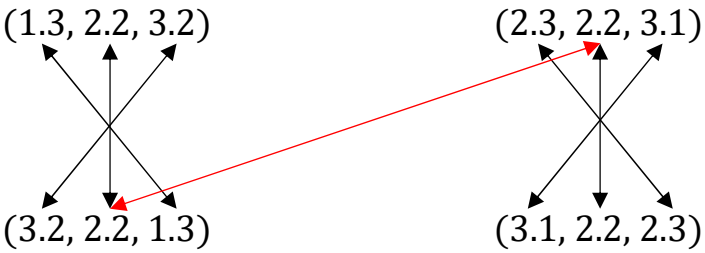
SF-$Z_{13}^{3,3}$ =



SF-$Z_{14}^{3,3}$ =

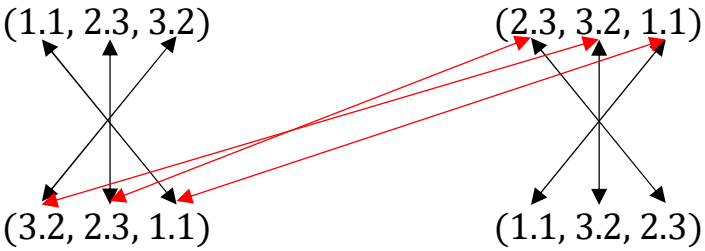


SF-$Z_{15}^{3,3}$ =

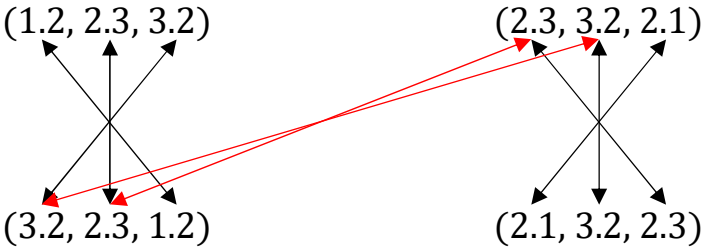


2.6. Trichotomische Triade

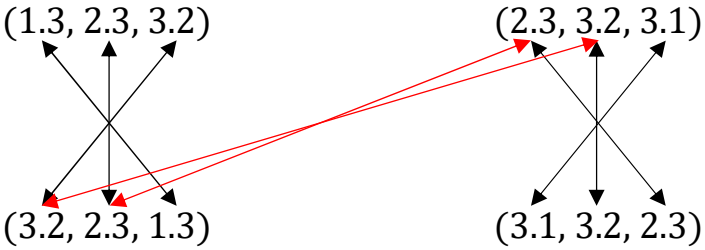
SF-$Z_{16}^{3,3}$ =



SF-$Z_{17}^{3,3}$ =

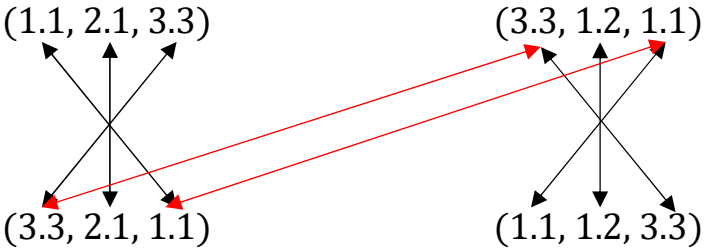


SF-$Z_{18}^{3,3}$ =

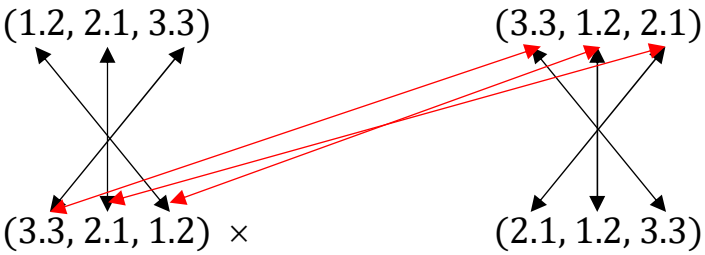


2.7. Trichotomische Triade

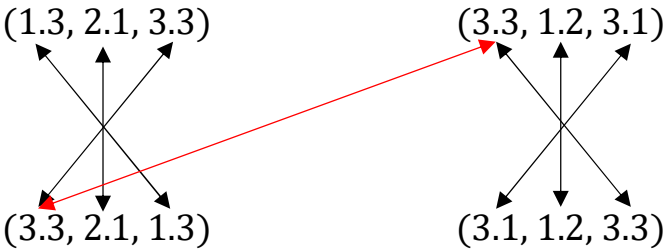
SF-$Z_{19}^{3,3}$ =



SF-$Z_{20}^{3,3}$ =

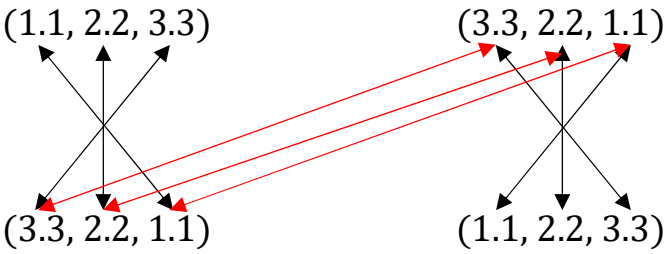


SF-$Z_{21}^{3,3}$ =

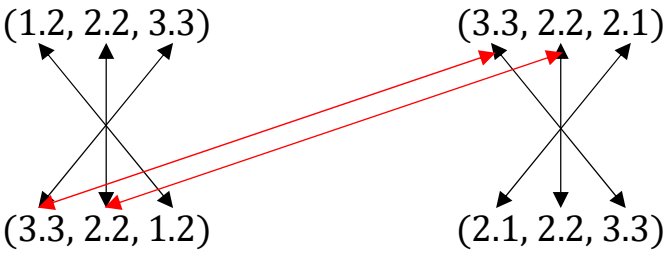


2.8. Trichotomische Triade

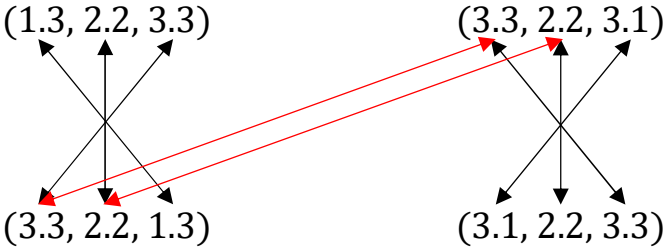
SF-$Z_{22}^{3,3}$ =



SF-$Z_{23}^{3,3}$ =

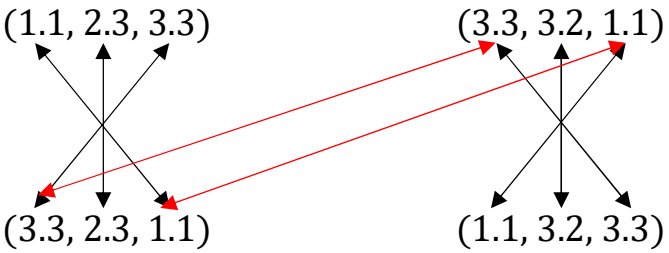


SF-$Z_{24}^{3,3}$ =

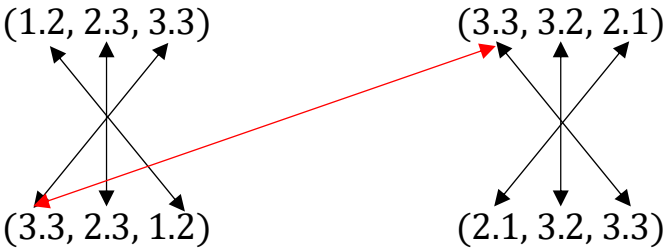


2.9. Trichotomische Triade

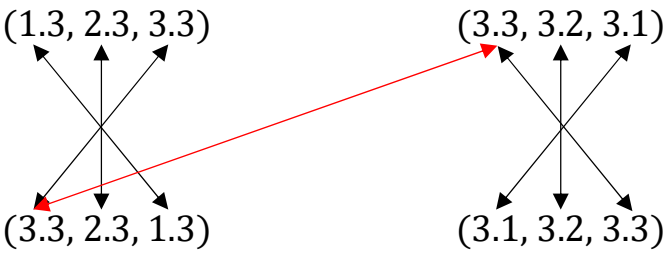
SF-$Z_{25}^{3,3}$ =



SF-$Z_{26}^{3,3}$ =



SF-$Z_{27}^{3,3}$ =



Die Zusammenhänge zwischen den 27 S-Zahlenfeldern bzw. 9 trichotomischen Triaden sind erwartungsgemäß nicht-bijektiv. In vier Fällen liegt triadischer Zusammenhang vor: bei SF 6 (Eigenrealität), 22 (Kategorienrealität), 16 und 20. Wegen der beiden Fälle von Zusammenhangslosigkeit (SF 8 und 12) ist das System als ganzes betrachtet nicht-konnex.

Literatur

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5.3.2025