

Kategorienreale Determination trajektisch-semiotischer Relationen

1. Max Bense hatte an mehreren Stellen seines letztes Buches auf den engen semiotischen und numerischen Zusammenhang zwischen der eigenrealen Zeichenklasse und der Kategorienklasse $KatKl = (3.3, 2.2, 1.1)$ hingewiesen, vgl. z.B.: „Die Ableitung der semiotischen Zeichenklasse aus der genuinen Kategorienklasse geschieht durch eine einfache Vertauschung des erstheitlichen Stellenwertes (.1) mit dem drittheitlichen Stellenwert (.3) im Sinne folgenden Schemas“ (Bense 1992, S. 22; Darstellung durch mich, A.T.):

3	.3	2.2	1	.1
	↑			↑
3	.1	2.2	1	.3

Später fügte Bense hinzu: „Man könnte also auch im Falle der Kategorien-Realität von einer gewissen Eigenrealität sprechen, die vielleicht als Eigenrealität schwächerer Repräsentation zu bezeichnen wäre“ (1992, S. 40)

2. Im folgenden weisen wir mit Hilfe der in Toth (2025a) vollständig als trajektische Relationen dargestellten $3^3 = 27$ ternären semiotischen Relationen mittels eigenrealer Determination durch die $ZKl \times RTh (3.3, 2.2, 1.1) \times (1.1, 2.2, 3.3) = (3 \rightarrow 3, 2 \rightarrow 2 \mid 2 \leftarrow 2, 1 \leftarrow 1) \mid (1 \rightarrow 1, 2 \rightarrow 2 \mid 2 \leftarrow 2, 3 \leftarrow 3)$ die Koinzidenzen und Schnitte mit sämtlichen anderen semiotischen Zeichenklassen und Realitätsthematiken nach, d.h. nicht nur mit den sog. regulären 10 benseschen Dualsystemen. Hier geht es also, wie bereits in Toth (2025b), nicht um Verknüpfbarkeit durch Subzeichen, sondern um Überschneidungen durch Morphismen und Heteromorphismen. Die trajektische Darstellung der kategorienrealen $ZKl \times RTh$ ist

22. Semiotische Relation

$ZKl = (3.3, 2.2, 1.1)$

3 → 3 3

2 → 2 ← 2

1 ← 1

RTh = (1.1, 2.2, 3.3)

3 3 ←———— 3

2 —————→ 2 ←———— 2

1 —————→ 1 1

1. Semiotische Relation

ZKl = (3.1, 2.1, 1.1)

3 —————→ 3 3

2 —————→ 2 ←———— 2

1 1 ←———— 1

RTh = (1.1, 1.2, 1.3)

3 3 ←———— 3

2 —————→ 2 ←———— 2

1 —————→ 1 1

2. Semiotische Relation

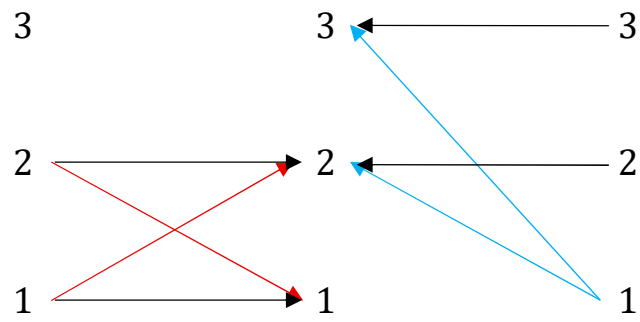
ZKl = (3.1, 2.1, 1.2)

3 —————→ 3 3

2 —————→ 2 ←———— 2

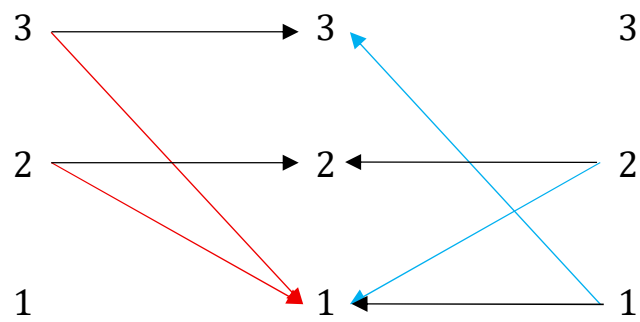
1 1 ←———— 1

RTh = (2.1, 1.2, 1.3)

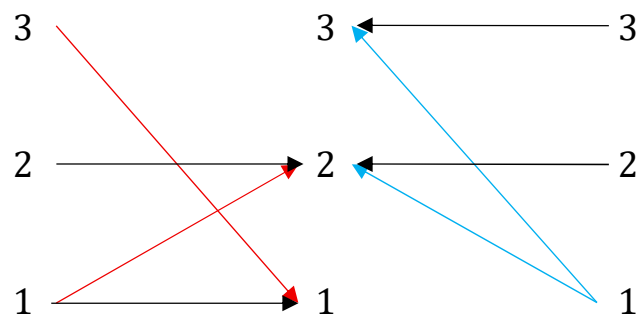


3. Semiotische Relation

ZKl = (3.1, 2.1, 1.3)

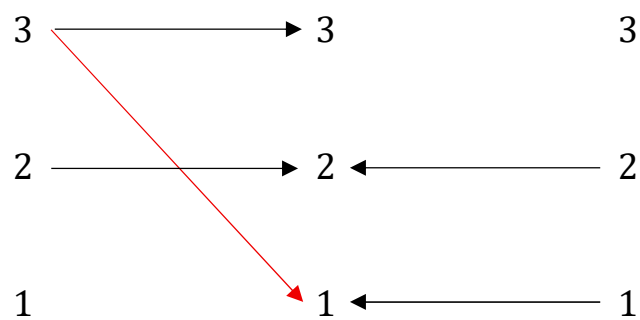


RTh = (3.1, 1.2, 1.3)

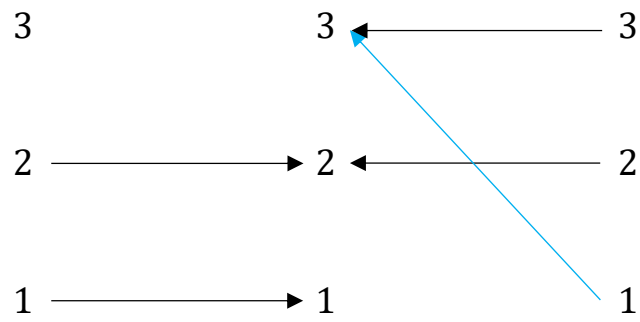


4. Semiotische Relation

ZKl = (3.1, 2.2, 1.1)

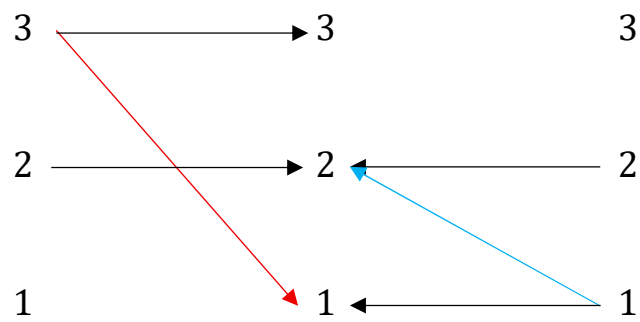


RTh = (1.1, 2.2, 1.3)

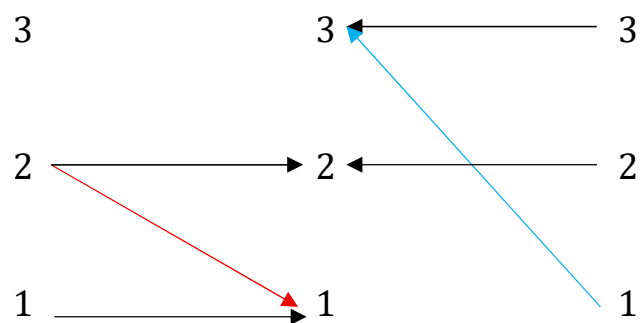


5. Semiotische Relation

ZKl = (3.1, 2.2, 1.2)

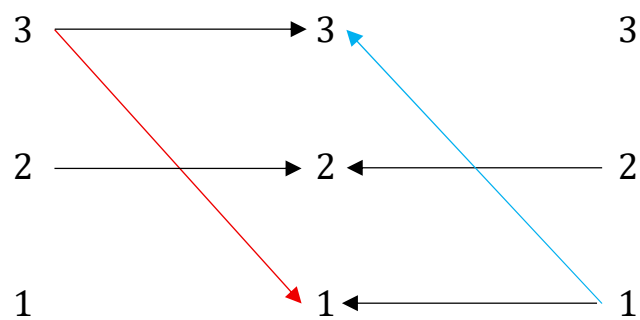


RTh = (2.1, 2.2, 1.3)

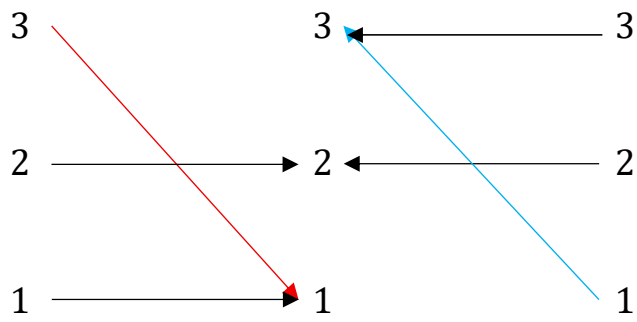


6. Semiotische Relation

ZKl = (3.1, 2.2, 1.3)

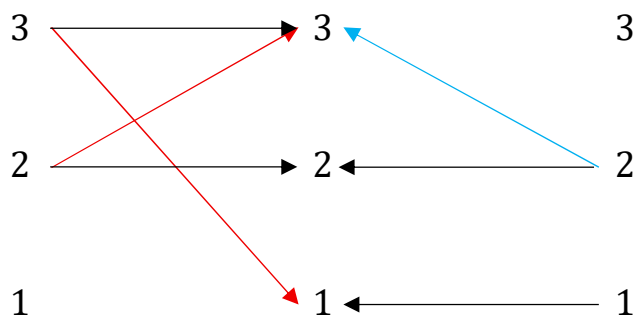


RTh = (3.1, 2.2, 1.3)

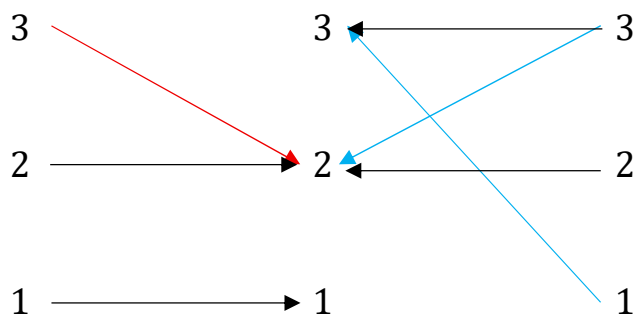


7. Semiotische Relation

ZKl = (3.1, 2.3, 1.1)

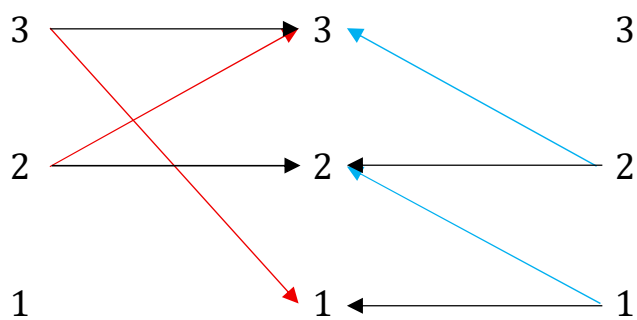


RTh = (1.1, 3.2, 1.3)

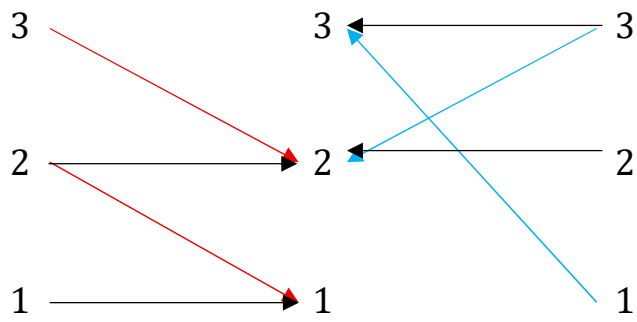


8. Semiotische Relation

ZKl = (3.1, 2.3, 1.2)

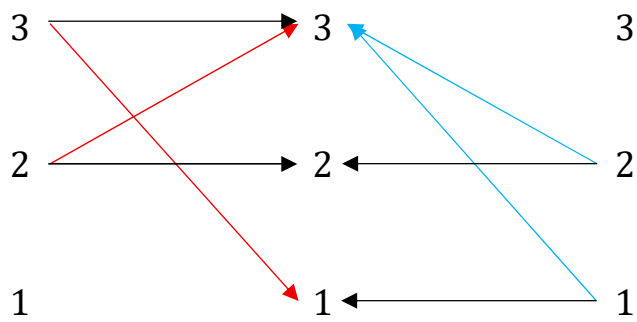


RTh = (2.1, 3.2, 1.3)

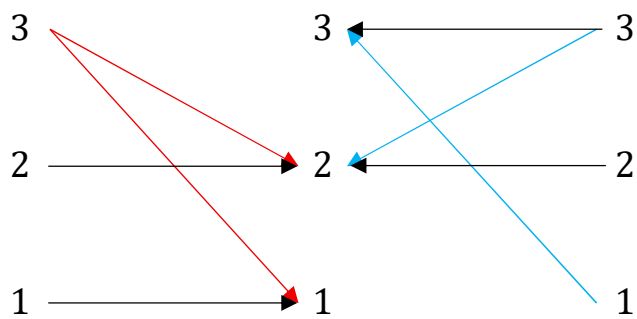


9. Semiotische Relation

ZKl = (3.1, 2.3, 1.3)

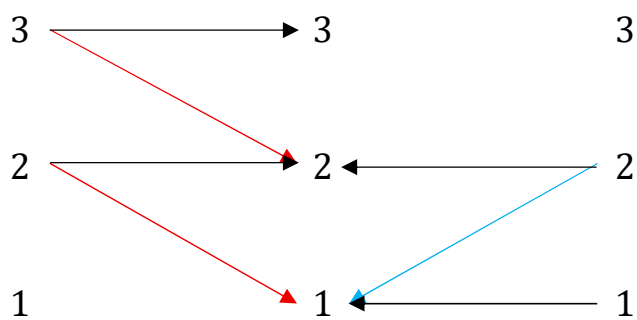


RTh = (3.1, 3.2, 1.3)

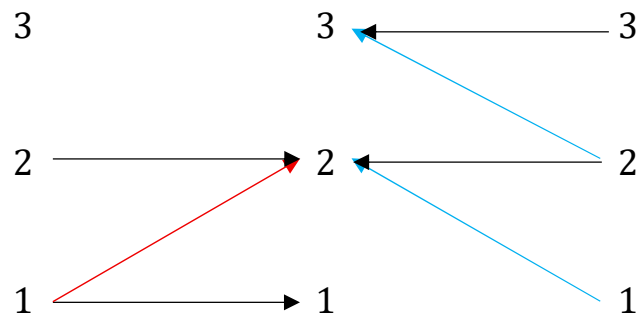


10. Semiotische Relation

ZKl = (3.2, 2.1, 1.1)

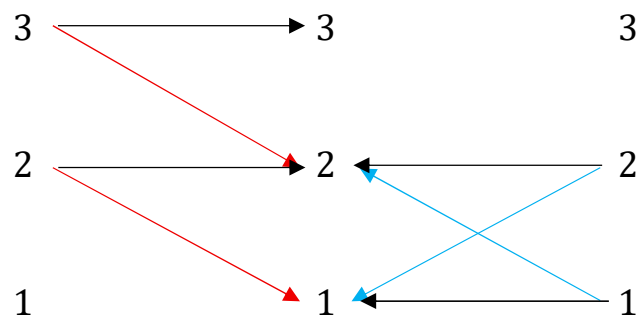


RTh = (1.1, 1.2, 2.3)

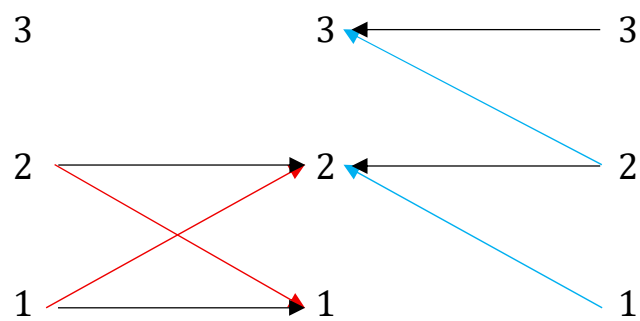


11. Semiotische Relation

ZKl = (3.2, 2.1, 1.2)

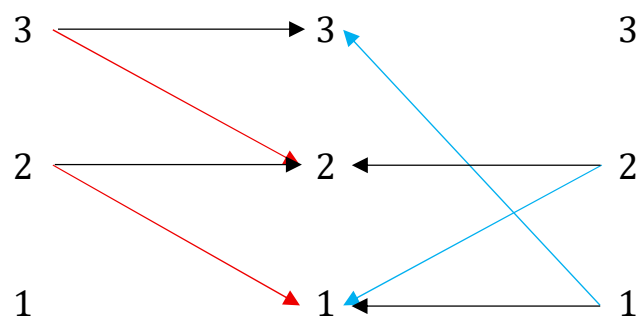


RTh = (2.1, 1.2, 2.3)

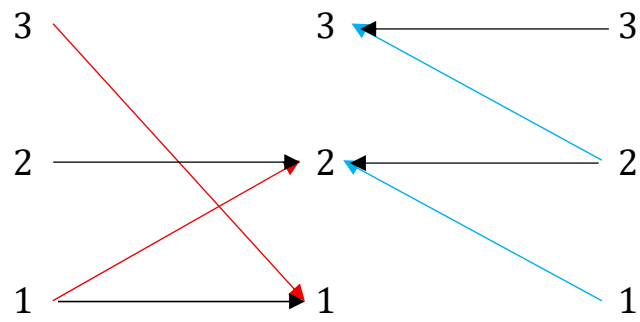


12. Semiotische Relation

ZKl = (3.2, 2.1, 1.3)

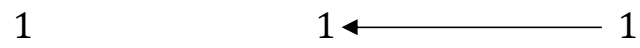
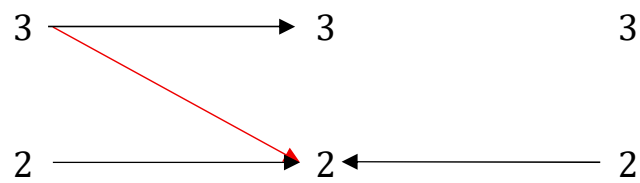


RTh = (3.1, 1.2, 2.3)

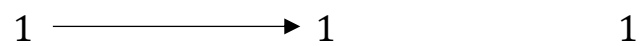
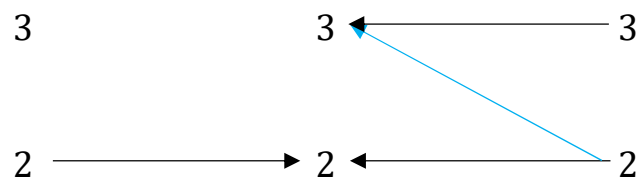


13. Semiotische Relation

ZKl = (3.2, 2.2, 1.1)

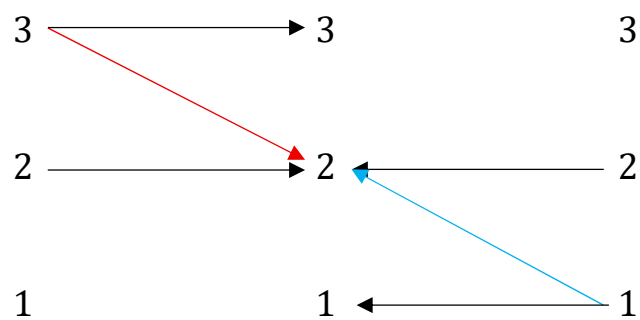


RTh = (1.1, 2.2, 2.3)

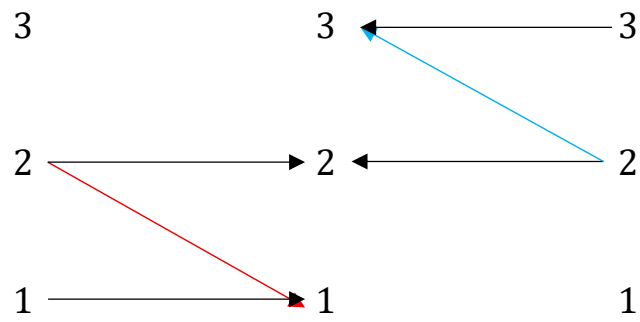


14. Semiotische Relation

ZKl = (3.2, 2.2, 1.2)

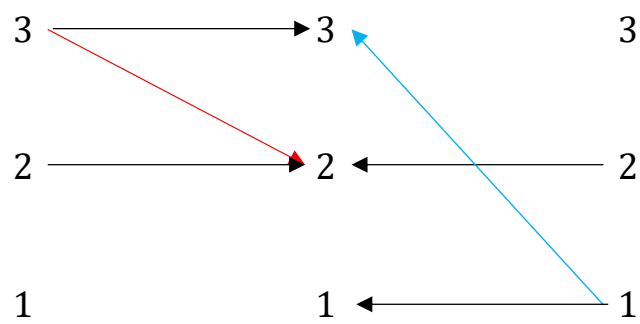


RTh = (2.1, 2.2, 2.3)

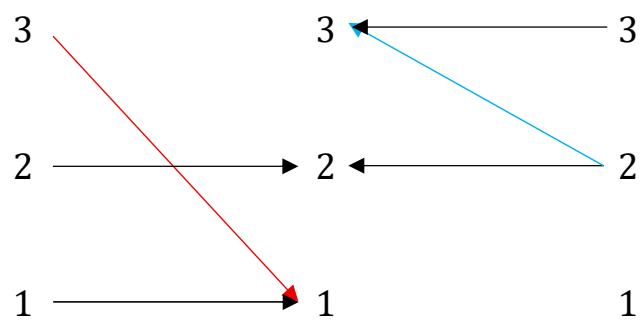


15. Semiotische Relation

ZKl = (3.2, 2.2, 1.3)

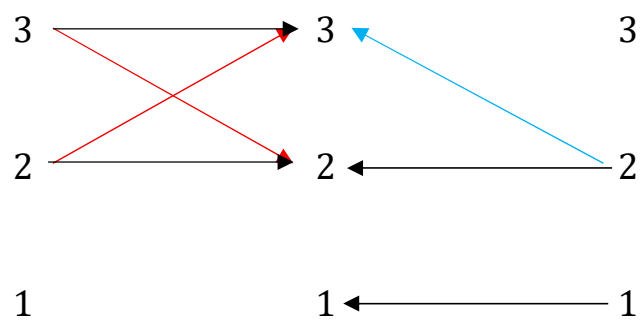


RTh = (3.1, 2.2, 2.3)

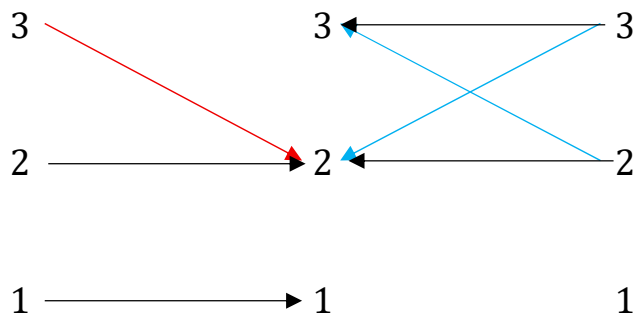


16. Semiotische Relation

ZKl = (3.2, 2.3, 1.1)

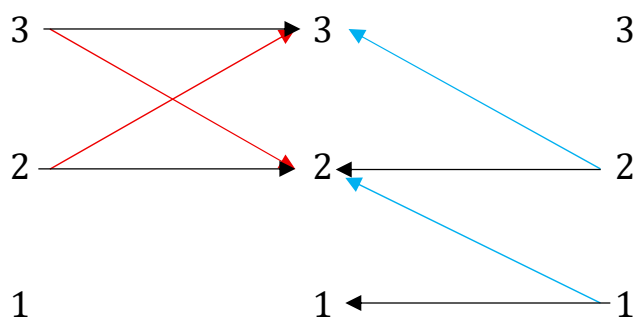


RTh = (1.1, 3.2, 2.3)

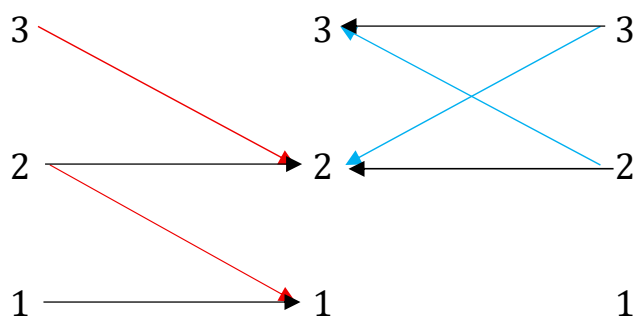


17. Semiotische Relation

ZKl = (3.2, 2.3, 1.2)

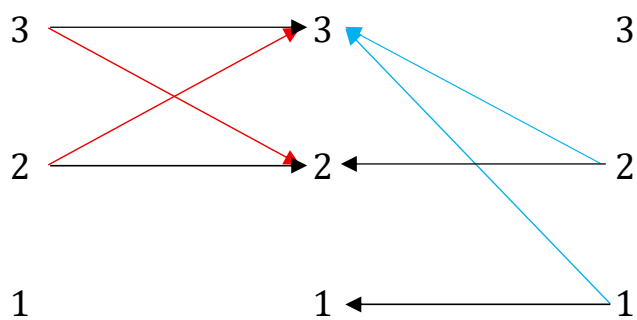


RTh = (2.1, 3.2, 2.3)

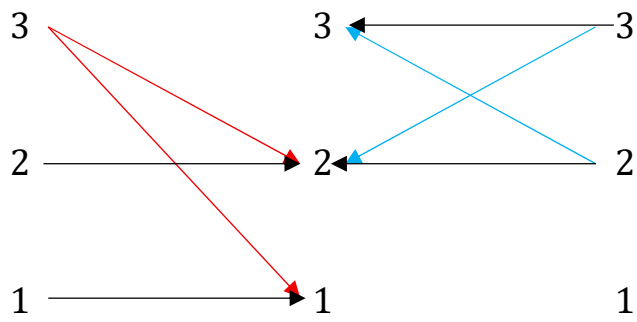


18. Semiotische Relation

ZKl = (3.2, 2.3, 1.3)

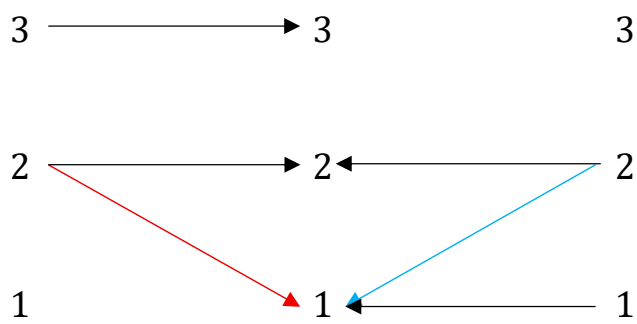


RTh = (3.1, 3.2, 2.3)

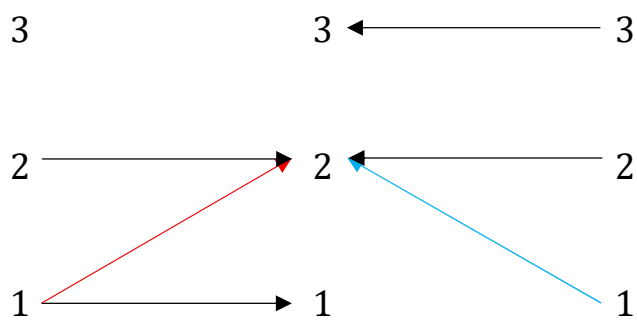


19. Semiotische Relation

ZKl = (3.3, 2.1, 1.1)

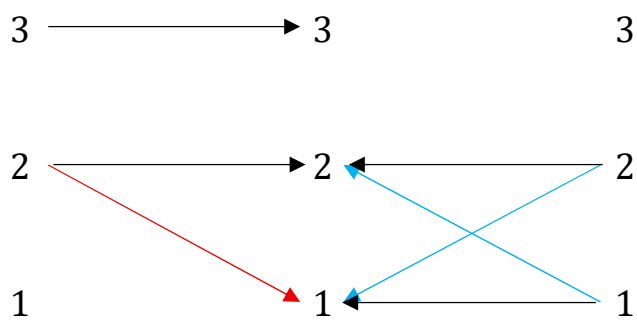


RTh = (1.1, 1.2, 3.3)

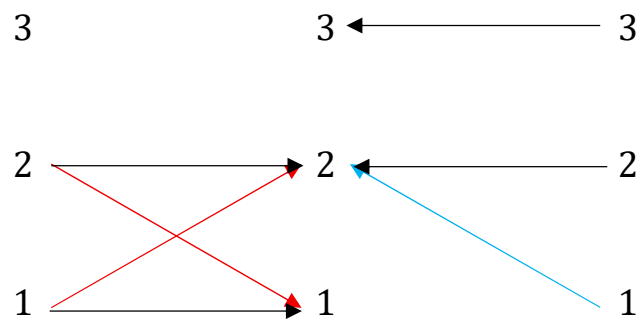


20. Semiotische Relation

ZKl = (3.3, 2.1, 1.2)

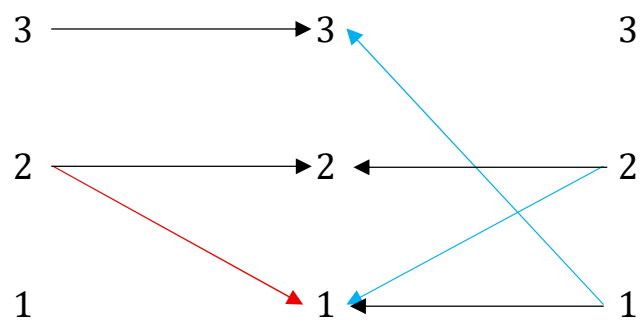


RTh = (2.1, 1.2, 3.3)

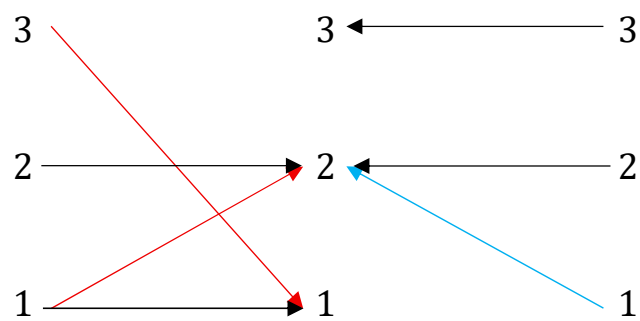


21. Semiotische Relation

ZKl = (3.3, 2.1, 1.3)

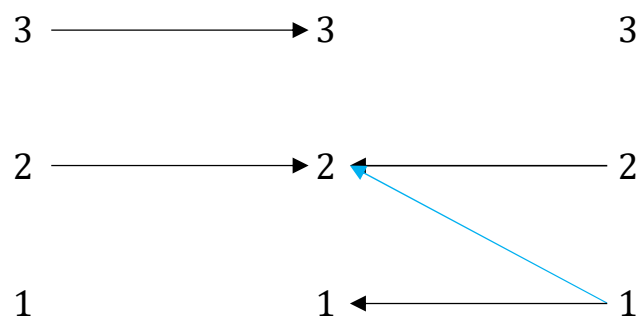


RTh = (3.1, 1.2, 3.3)

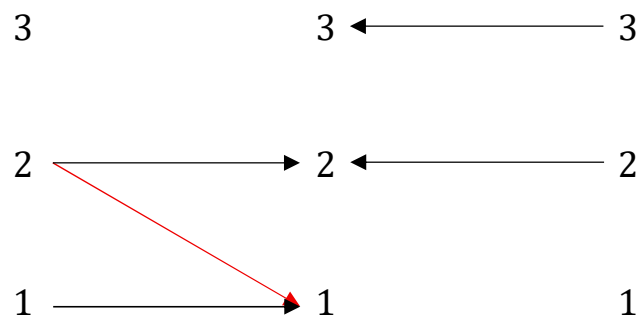


23. Semiotische Relation

ZKl = (3.3, 2.2, 1.2)

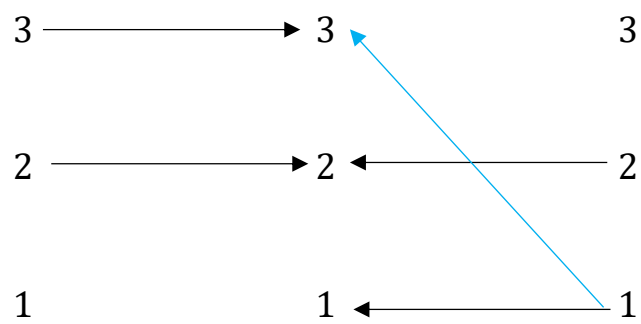


RTh = (2.1, 2.2, 3.3)

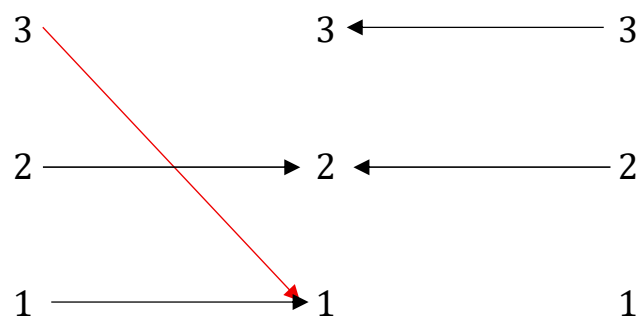


24. Semiotische Relation

ZKl = (3.3, 2.2, 1.3)

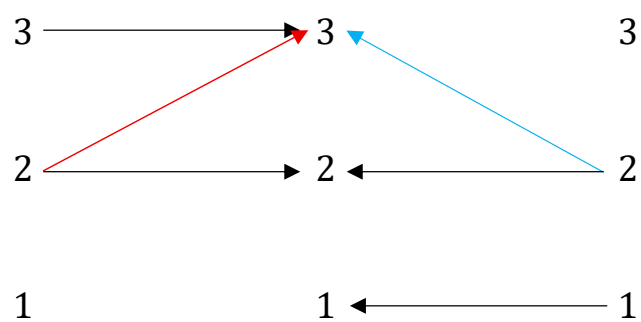


RTh = (3.1, 2.2, 3.3)

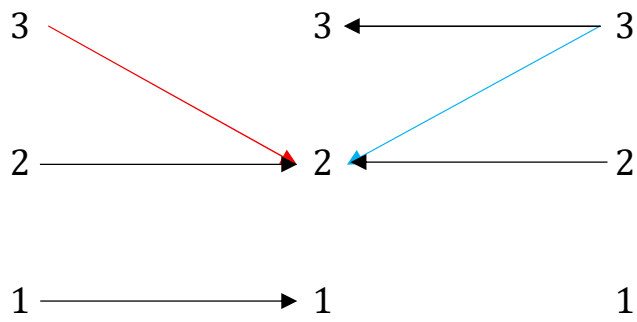


25. Semiotische Relation

ZKl = (3.3, 2.3, 1.1)

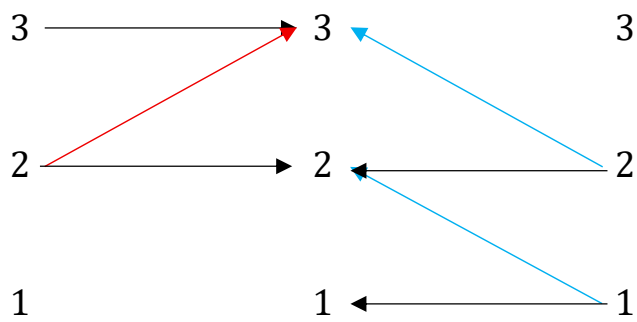


RTh = (1.1, 3.2, 3.3)

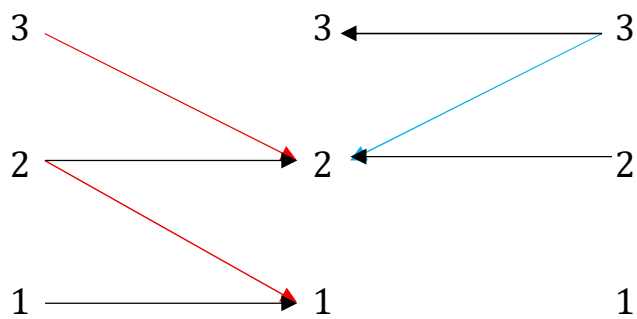


26. Semiotische Relation

ZKl = (3.3, 2.3, 1.2)

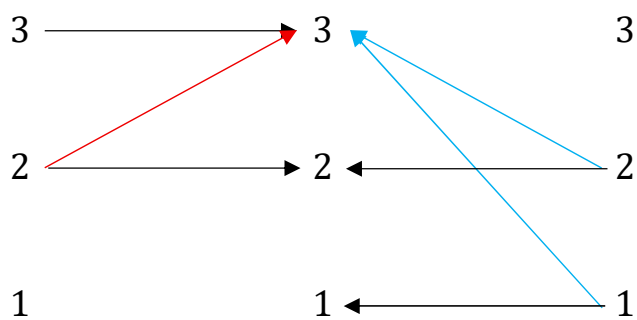


RTh = (2.1, 3.2, 3.3)

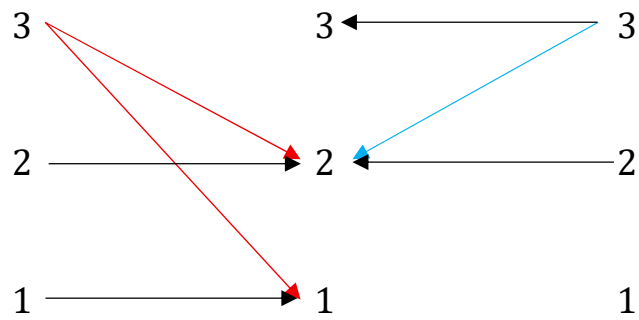


27. Semiotische Relation

ZKl = (3.3, 2.3, 1.3)



RTh = (3.1, 3.2, 3.3)



Literatur

Bense, Max, Die Eigenrealität der Zeichen. Baden-Baden 1992

Toth, Alfred, Vollständiges trajektisches System triadisch-trichotomischer Relationen. In: Electronic Journal for Mathematical Semiotics, 2025a

Toth, Alfred, Eigenreale Determination trajektisch-semiotischer Relationen. In: Electronic Journal for Mathematical Semiotics, 2025b

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