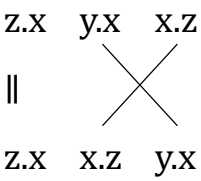
Prof. Dr. Alfred Toth

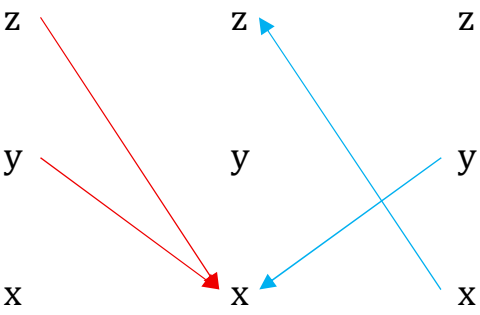
# Graduell chiastische Abbildungen

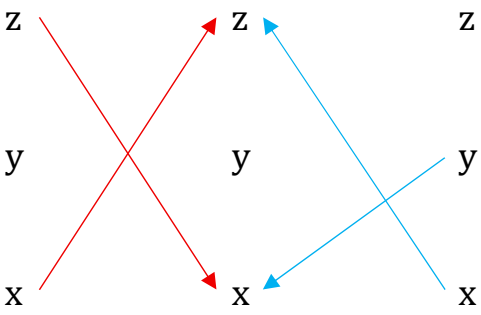
1. Chiastische Abbildungen bei trajektischen Relationen kann man am besten anhand der Menge der Permutationen von R = (x, y, z)

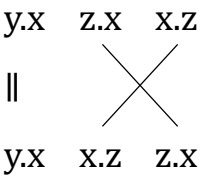
$\mathcal{P}$R = ((x, y, z), (x, z, y), (y, x, z), (y, z, x), (z, x, y), (z, y, x))

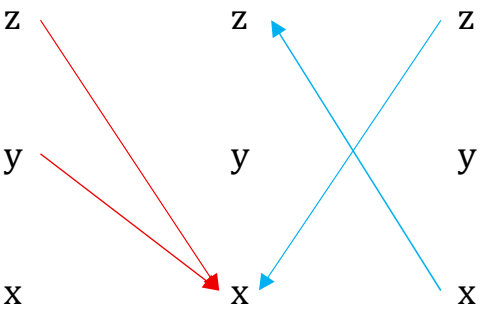
(vgl. Toth 2025a) darstellen.

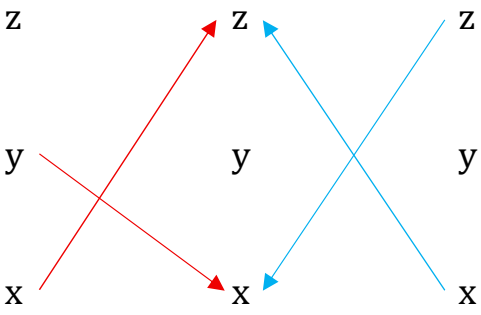


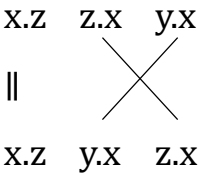



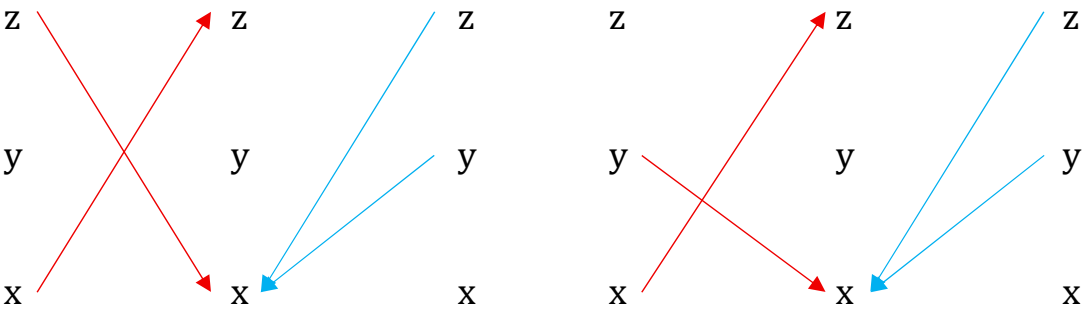



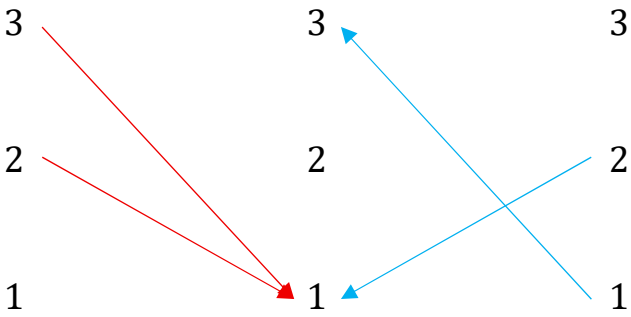





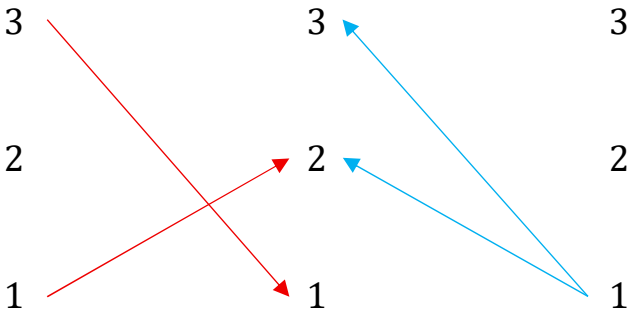

2. Im folgenden betrachten wir die $3^3 = 27$ Zeichenklassen und Realitätsthematiken ternärer semiotischer Relationen (vgl. Toth 2025b). Neben totalen kommen reduzierte chiastische Abbildungen vor; wir sprechen von graduellem Chiasmus.

2.1. Reduzierte chiastische Abbildungen

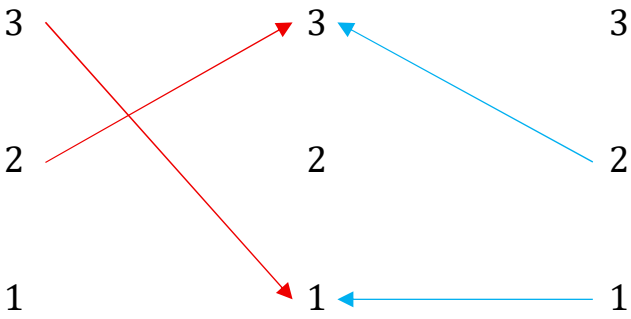
ZKl = (3.1, 2.1, 1.3)



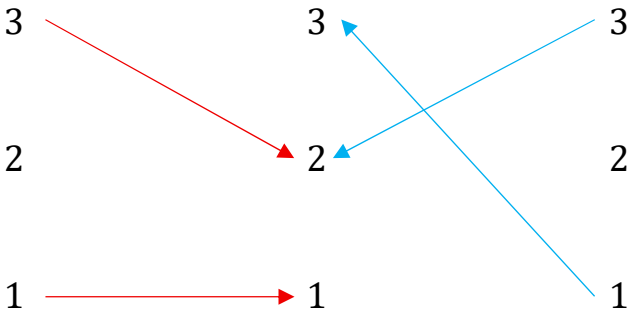

RTh = (3.1, 1.2, 1.3)



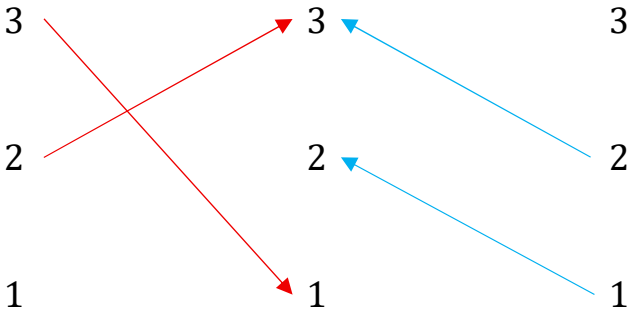
ZKl = (3.1, 2.3, 1.1)



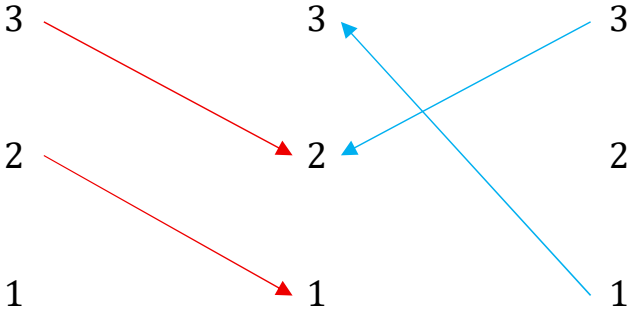

RTh = (1.1, 3.2, 1.3)



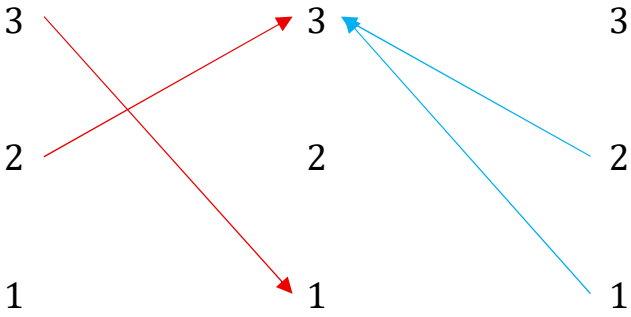

ZKl = (3.1, 2.3, 1.2)



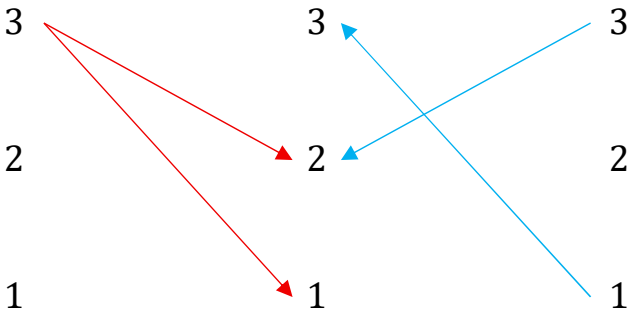

RTh = (2.1, 3.2, 1.3)



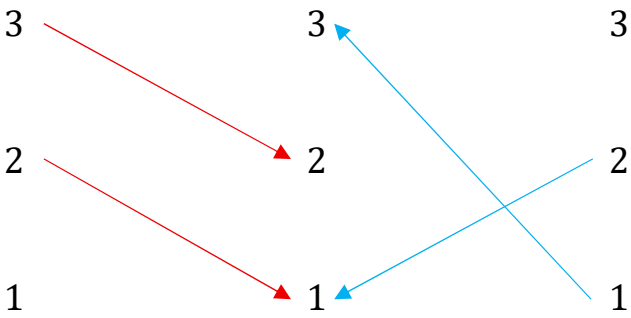
ZKl = (3.1, 2.3, 1.3)



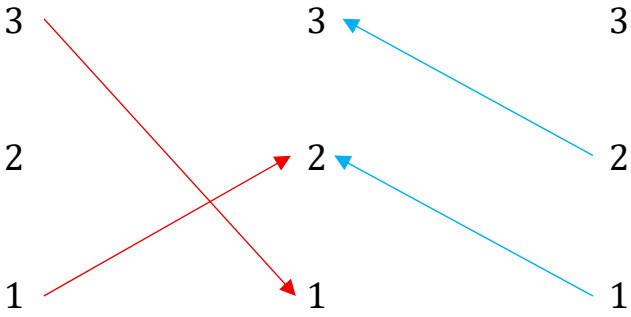

RTh = (3.1, 3.2, 1.3)



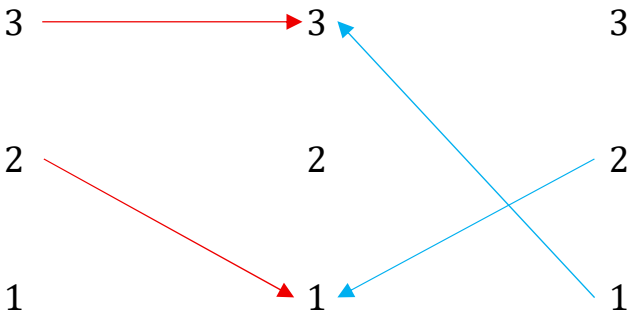

ZKl = (3.2, 2.1, 1.3)



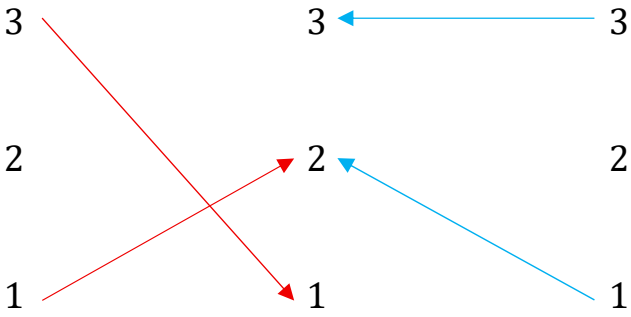

RTh = (3.1, 1.2, 2.3)



ZKl = (3.3, 2.1, 1.3)

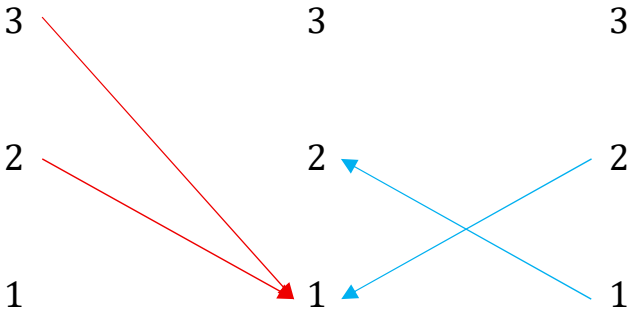



RTh = (3.1, 1.2, 3.3)

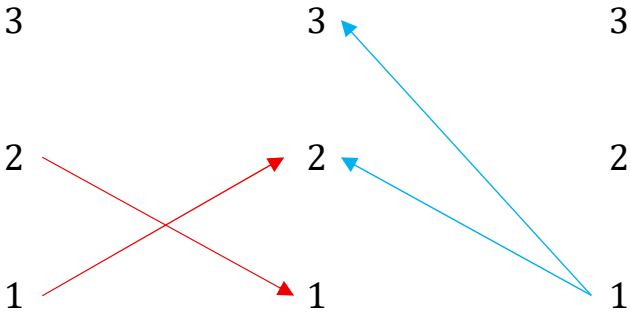



2.2. Totale chiastische Abbildungen

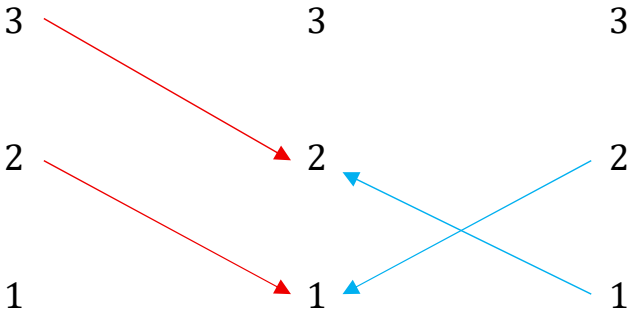
ZKl = (3.1, 2.1, 1.2)



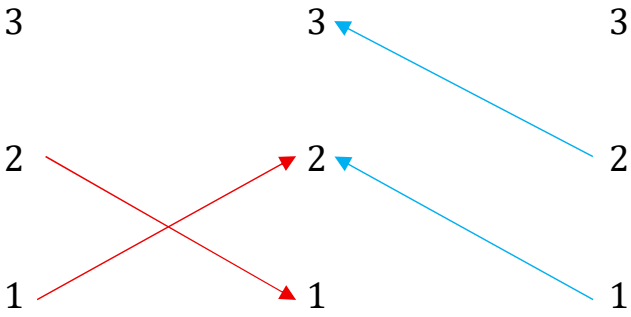

RTh = (2.1, 1.2, 1.3)



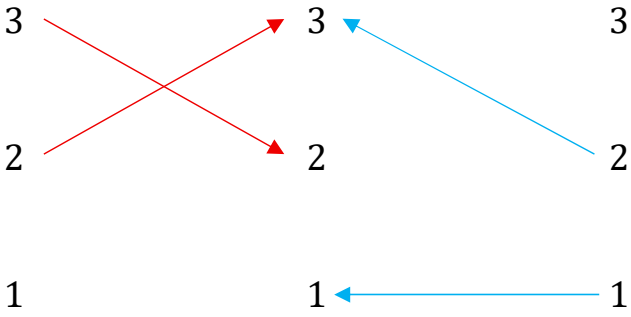
ZKl = (3.2, 2.1, 1.2)



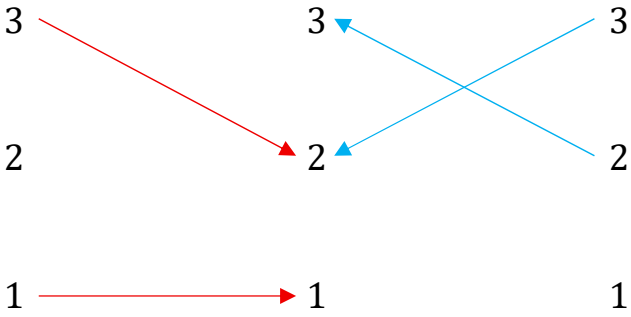

RTh = (2.1, 1.2, 2.3)



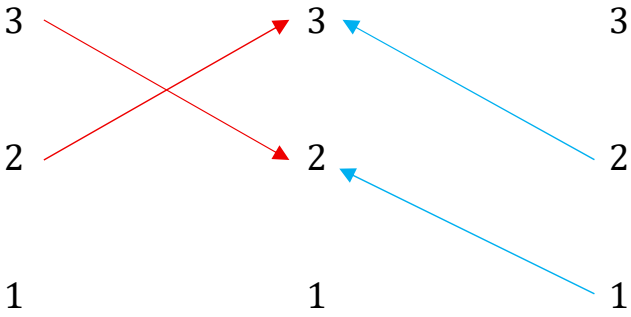

ZKl = (3.2, 2.3, 1.1)



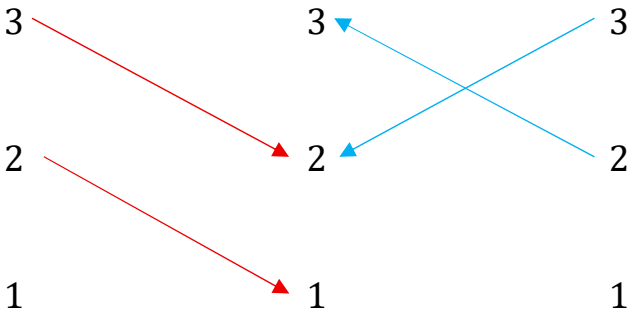

RTh = (1.1, 3.2, 2.3)



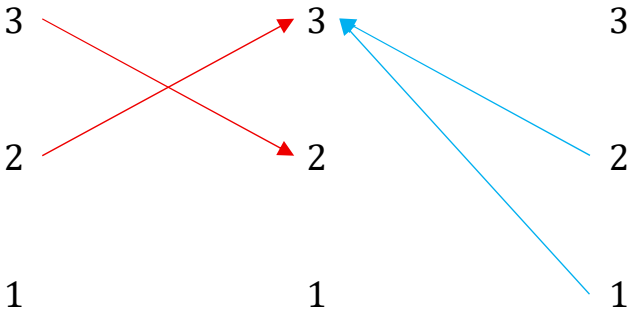
ZKl = (3.2, 2.3, 1.2)



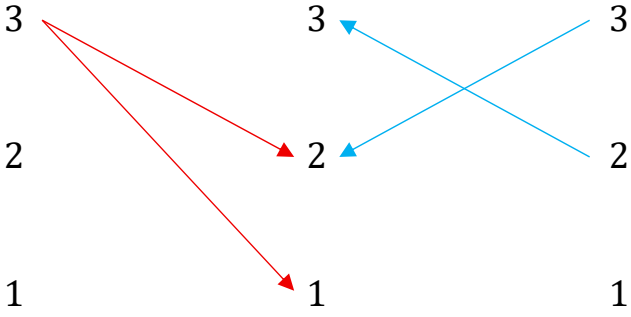

RTh = (2.1, 3.2, 2.3)



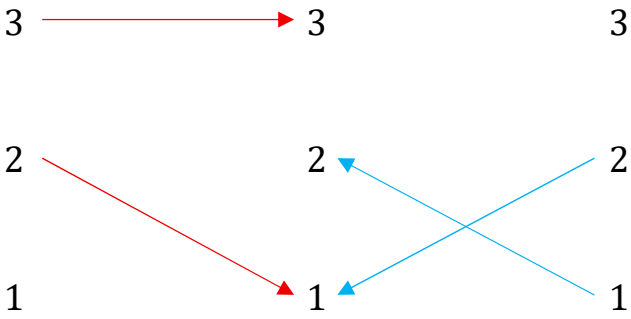

ZKl = (3.2, 2.3, 1.3)



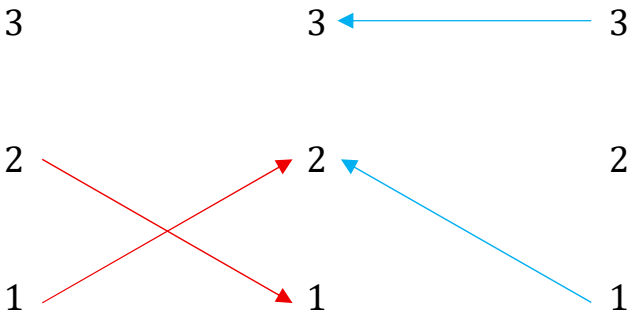

RTh = (3.1, 3.2, 2.3)



ZKl = (3.3, 2.1, 1.2)




RTh = (2.1, 1.2, 3.3)




Literatur

Toth, Alfred, Dualität und Chiasmus in trajektischen Abbildungen. In: Electronic Journal for Mathematical Semiotics, 2025a

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

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