

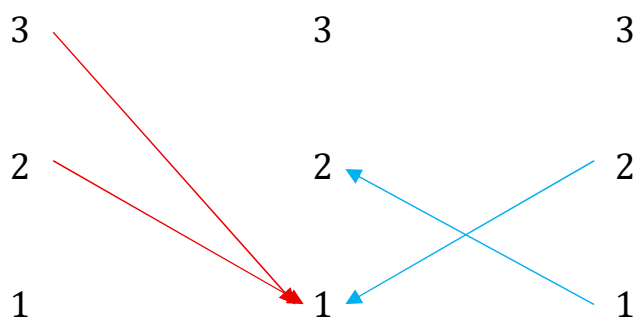
Diamonds trajektischer Abbildungen

1. Im folgenden konstruieren wir die Diamonds zu den in Toth (2025a) unterschiedenen Arten trajektischer Abbildungen. Zur Einleitung in die algebraische Diamondtheorie vgl. Kaehr (2007), zur Ungleichheit der Heteromorphismen bzw. externen Umgebungen semiotischer Relationen vgl. Toth (2025b).

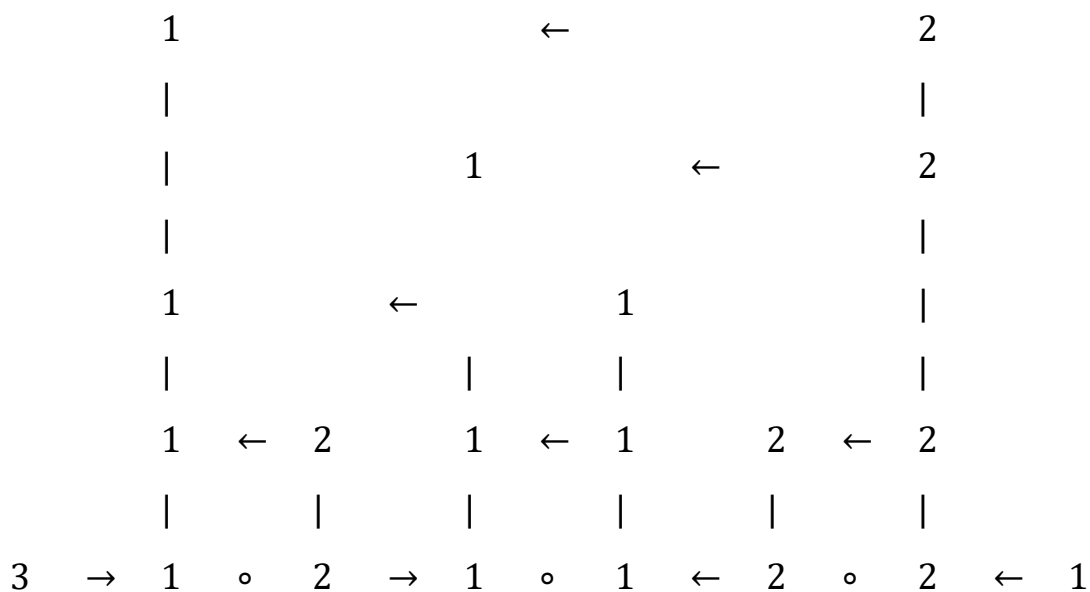
2. Diamonds trajektischer semiotischer Relationen

2.1. Nicht-bifunktorielle Trajektion

$$\mathfrak{T}(3.1, 2.1, 1.2) = (3.1, 2.1 \mid 2.1, 1.2) =$$



$$\mathfrak{D}(3.1, 2.1, 1.2) =$$

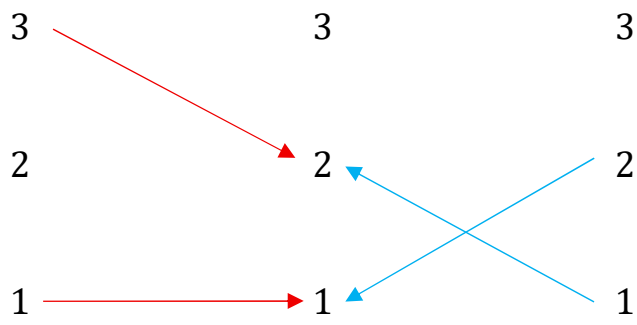


2.2. Bifunktorielle Trajektion

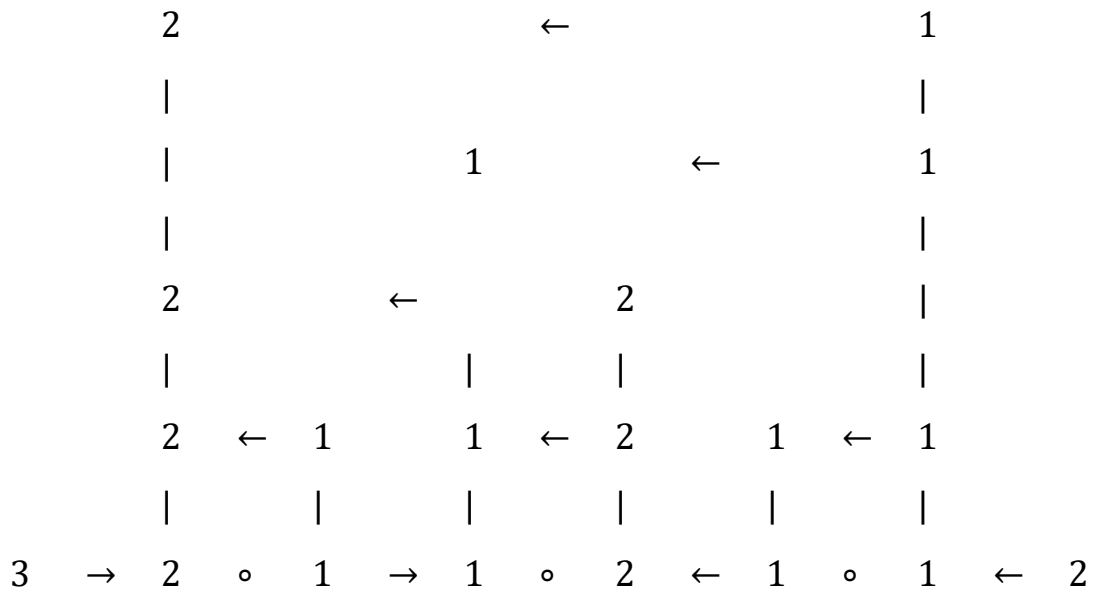
2.2.1. Rechtsantizipative Trajektion

$$3.1 \quad 2.1$$

$$2.1 \quad 1.2 = (3.2, 1.1 \mid 2.1, 1.2) =$$

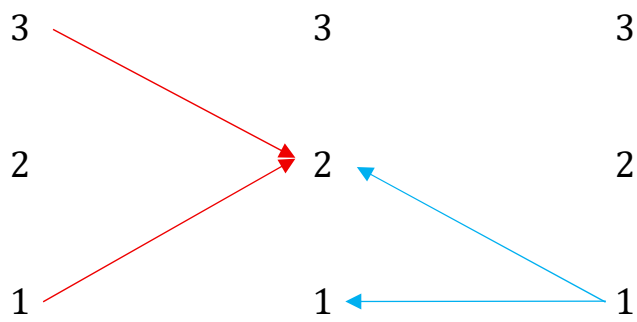


$$\mathfrak{D}(3.2, 1.1 \mid 2.1, 1.2) =$$

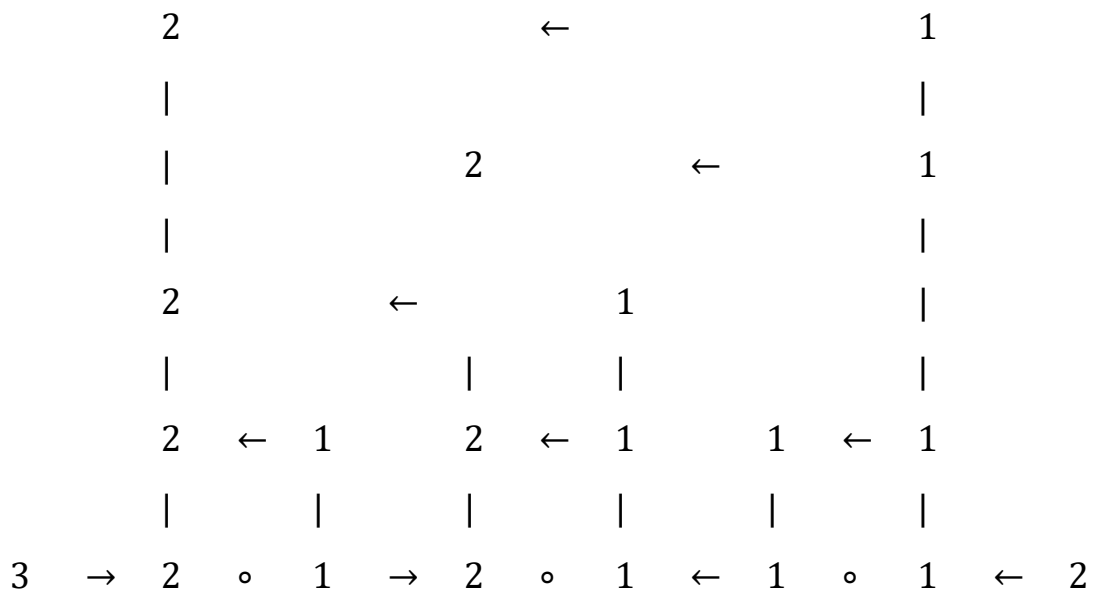


Trajekt 2. Stufe:

$$\mathfrak{T}'(3.2, 1.1 \mid 2.1, 1.2) = (3.2, 1.2, 1.1, 1.2)$$



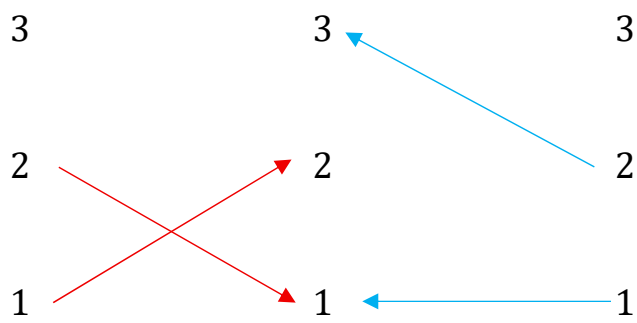
$$\mathfrak{D}(3.2, 1.2, 1.1, 1.2) =$$



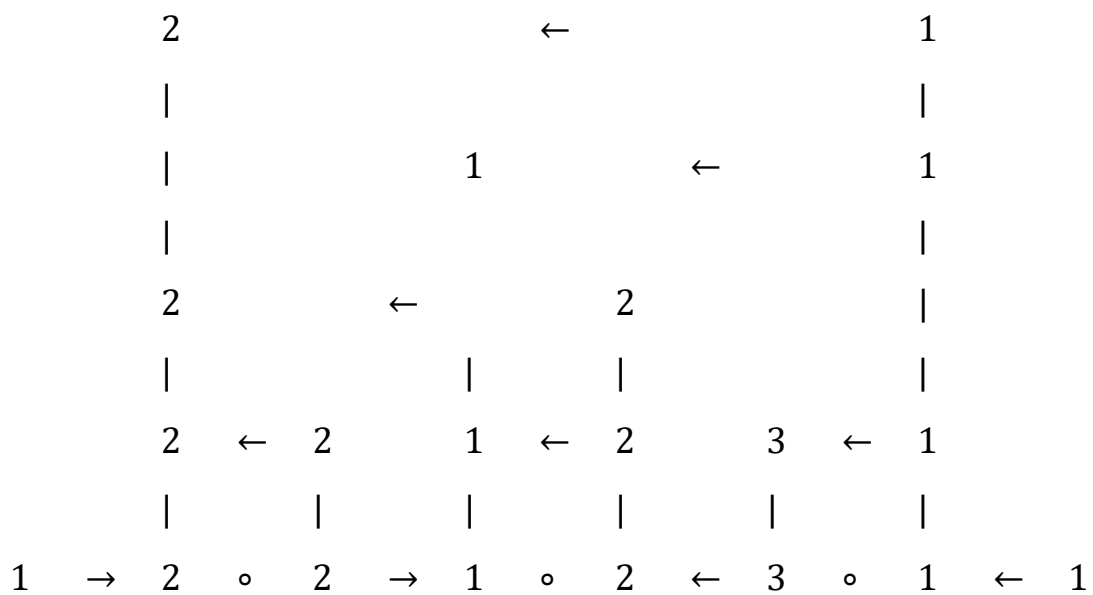
2.2.2. Linksantizipative Trajektion

1.2 2.1

2.1. $3.1 = (1.2, 2.1) \mid (2.3, 1.1)$

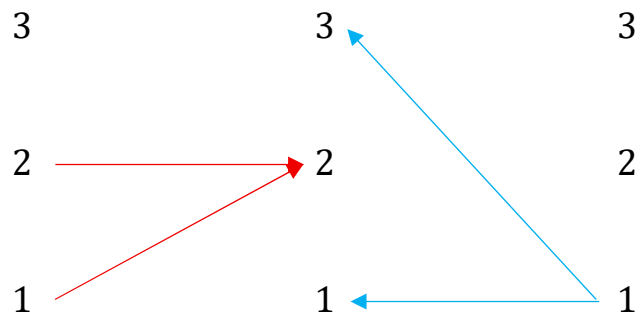


$\mathfrak{D}(1.2, 2.1) \mid (2.3, 1.1) =$

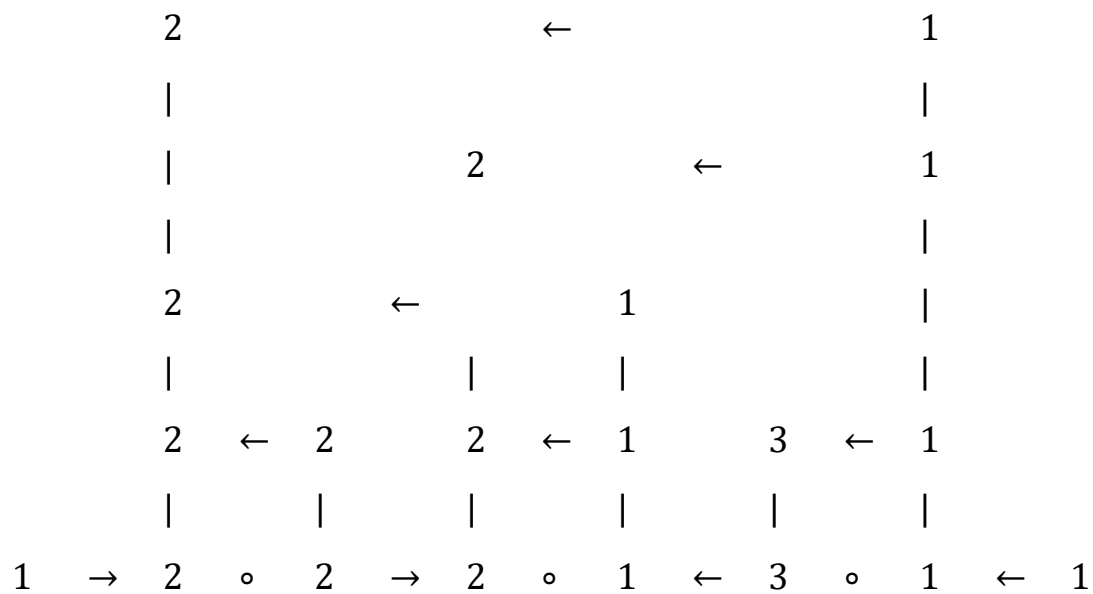


Trajekt 2. Stufe:

$$\mathfrak{T}'(1.2, 2.1) \mid (2.3, 1.1) = (1.2, 2.2, 1.3, 1.1)$$



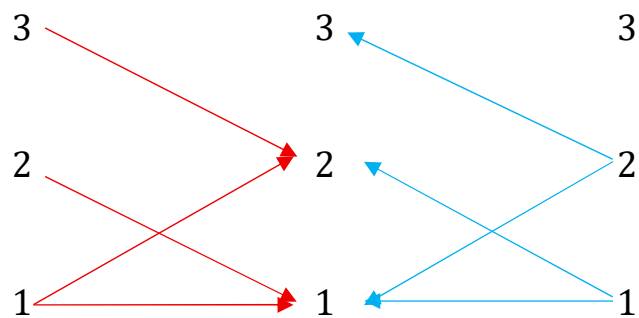
$$\mathfrak{D}(1.2, 2.2, 1.3, 1.1) =$$



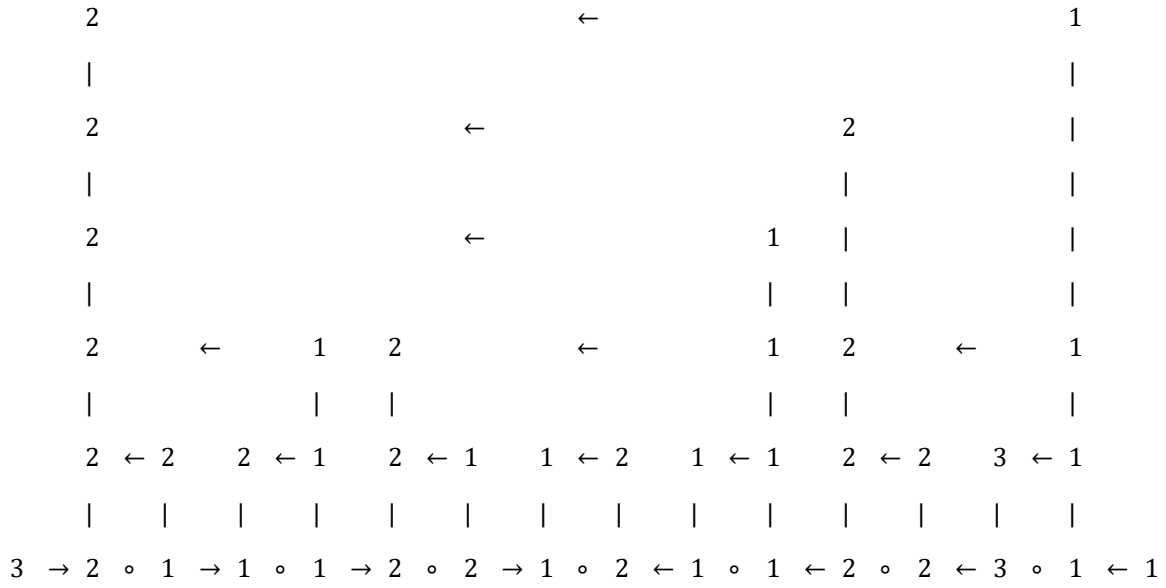
2.2.3. Doppelt antizipative Trajektion

$$(3.2, 1.1 \mid 2.1, 1.2) \cup (1.2, 2.1) \mid (2.3, 1.1) =$$

$$(3.2, 1.1, 1.2, 2.1 \mid 2.1, 1.2, 2.3, 1.1)$$

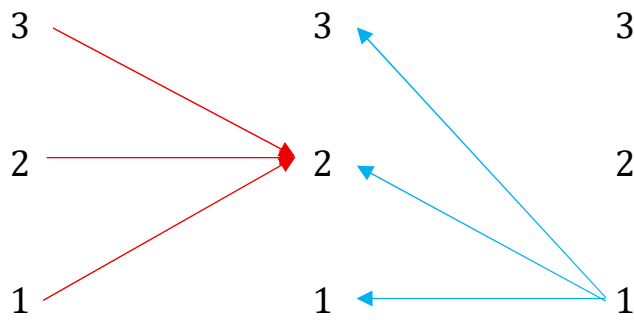


$$\mathfrak{D}(3.2, 1.1, 1.2, 2.1 \mid 2.1, 1.2, 2.3, 1.1) =$$

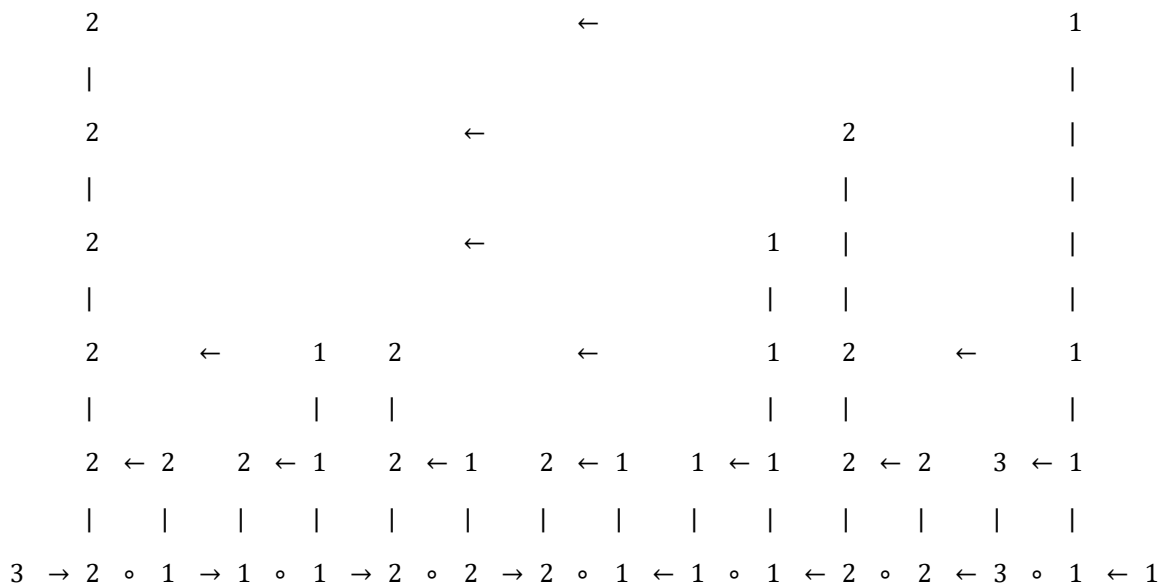


Trajekt 2. Stufe:

$$\mathfrak{T}'(3.2, 1.1, 1.2, 2.1 \mid 2.1, 1.2, 2.3, 1.1) = (3.2, 1.1, 1.2, 2.2, 1.1, 1.2, 2.3, 1.1)$$



$$\mathfrak{D}(3.2, 1.1, 1.2, 2.2, 1.1, 1.2, 2.3, 1.1) =$$



Literatur

Kaehr, Rudolf, The Book of Diamonds. Glasgow, U.K. 2007

Toth, Alfred, Kleine Theorie trajektischer Abbildungen. In: Electronic Journal for Mathematical Semiotics, 2025a

Toth, Alfred, Externe Umgebungen von Zeichenklassen in Trajekten und in Diamonds. In: Electronic Journal for Mathematical Semiotics, 2025b

7.9.2025