

Topologische Abbildungsdiagramme konverser Bi-Zeichen

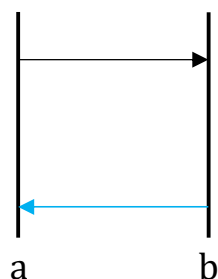
1. Konverse Bi-Zeichen wurden in Toth (2025a) aus Permutationen der Relation $R = (a.b, c.d)$ gebildet:

$a \rightarrow \underline{b \circ c} \rightarrow d$	$d \rightarrow \underline{c \circ b} \rightarrow a$
$a \rightarrow \underline{c \circ b} \rightarrow d$	$d \rightarrow \underline{b \circ c} \rightarrow a$
$b \rightarrow \underline{a \circ c} \rightarrow d$	$d \rightarrow \underline{c \circ a} \rightarrow b$
$b \rightarrow \underline{c \circ a} \rightarrow d$	$d \rightarrow \underline{a \circ c} \rightarrow b$
$c \rightarrow \underline{a \circ b} \rightarrow d$	$d \rightarrow \underline{b \circ a} \rightarrow c$
$c \rightarrow \underline{b \circ a} \rightarrow d$	$d \rightarrow a \circ b \rightarrow c$

2. Im folgenden konstruieren wir zu allen 6 konversen Bi-Zeichen die zugehörigen Diamonds und die topologischen Abbildungsdiagramme (vgl. Toth 2025b).

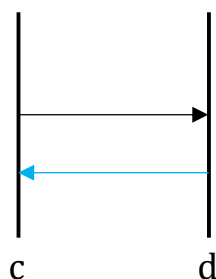
1. $K_1 = (b \leftarrow c, b \rightarrow c)$

	b	$\leftarrow$	c	
$a \rightarrow$	b	$\circ$	c	$\rightarrow d$
	b	$\rightarrow$	c	

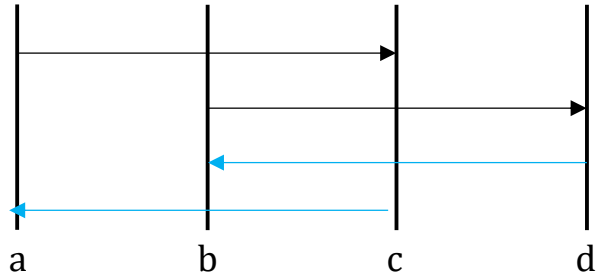
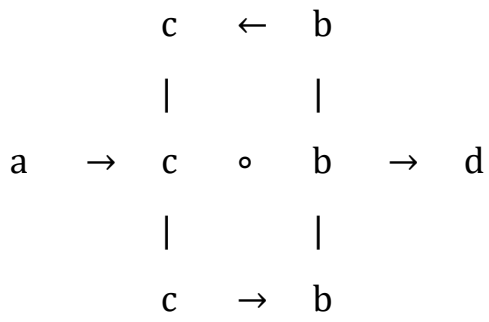


$K_1^{-1} = (c \leftarrow b, c \rightarrow b)$

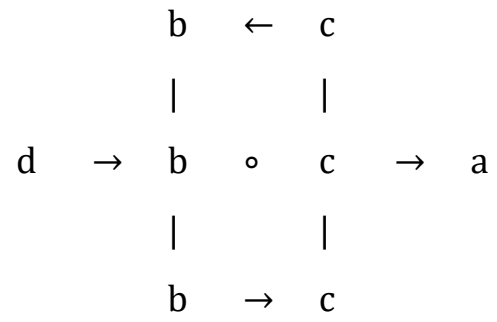
	c	$\leftarrow$	b	
$d \rightarrow$	c	$\circ$	b	$\rightarrow a$
	c	$\rightarrow$	b	



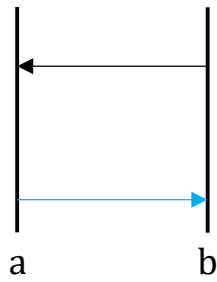
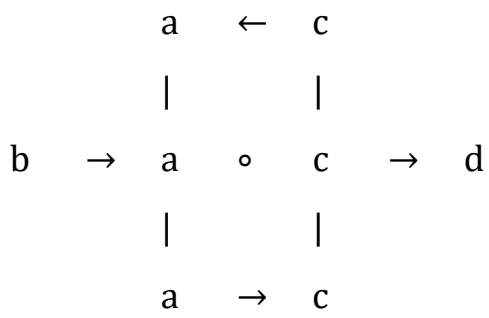
$$2. K_2 = (c \leftarrow b, c \rightarrow b)$$



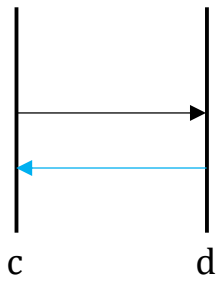
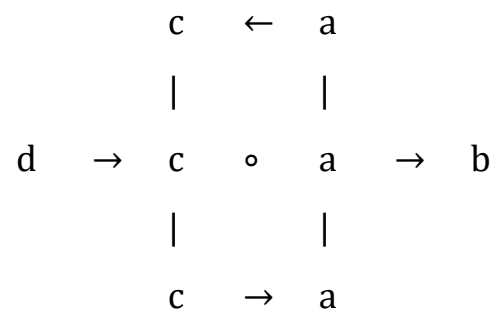
$$K_2^{-1} = (b \leftarrow c, b \rightarrow c)$$



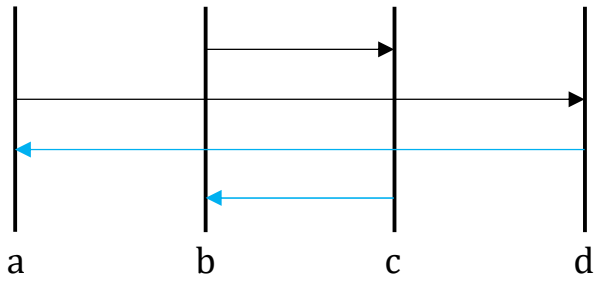
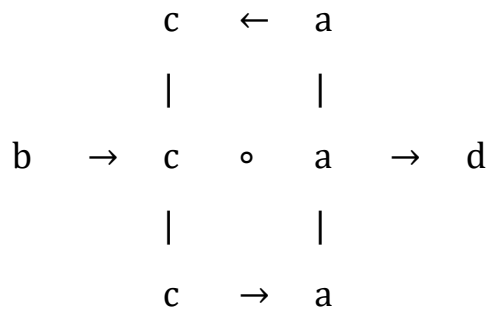
$$K_3 = (a \leftarrow c, a \rightarrow c)$$



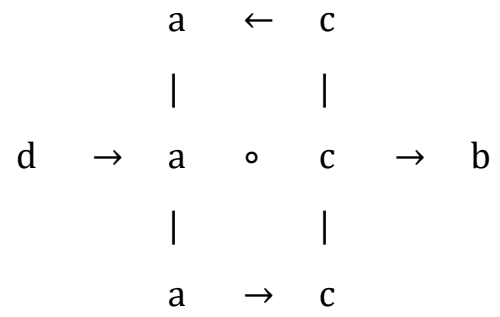
$$K_3^{-1} = (c \leftarrow a, c \rightarrow a)$$



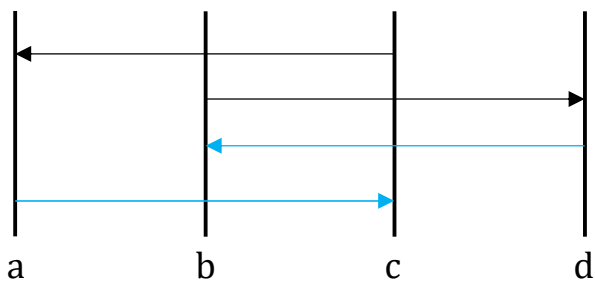
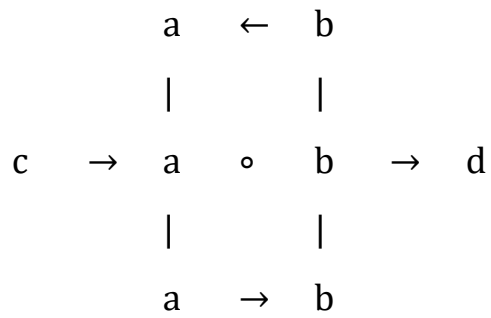
$$K_4 = (c \leftarrow a, c \rightarrow a)$$



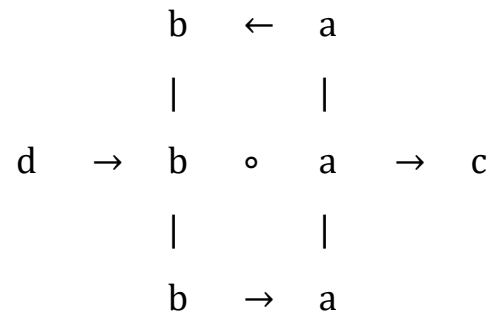
$$K_4^{-1} = (a \leftarrow c, a \rightarrow c)$$



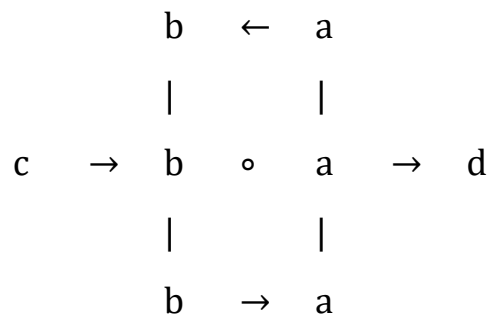
$$K_5 = (a \leftarrow b, a \rightarrow b)$$



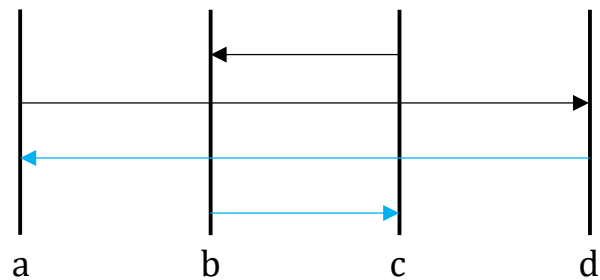
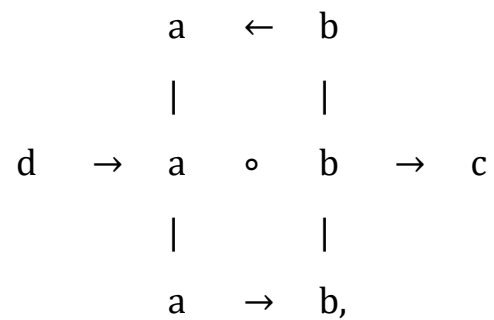
$$K_5^{-1} = (b \leftarrow a, b \rightarrow a)$$



$$K_6 = (b \leftarrow a, b \rightarrow a)$$



$$K_6^{-1} = (a \leftarrow b, a \rightarrow b).$$



Literatur

Toth, Alfred, Metamorphe Umgebungen. In: Electronic Journal for Mathematical Semiotics, 2025a

Toth, Alfred, Ontisch-semiotisches Analysemodell. In: Electronic Journal for Mathematical Semiotics, 2025b

11.12.2025