

Prof. Dr. Alfred Toth

Nachbarschaften dualer Paare von Subzeichen

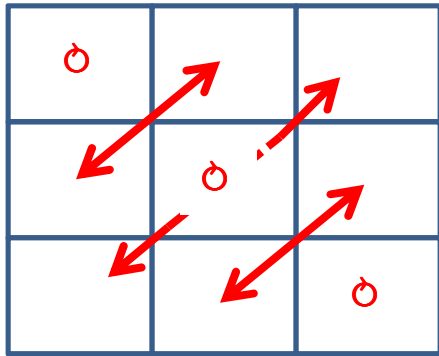
1. Die von Bense (1975, S. 35 ff.) eingeführte kleine semiotische Matrix

1.1. 1.2 1.3

2.1 2.2 2.3

3.1 3.2 3.3

enthält drei automorphe und drei heteromorphe Paare von dualen Subzeichen



$$D_{1,2} = ((1.2), (2.1))$$

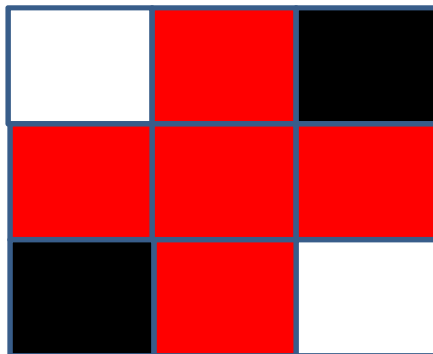
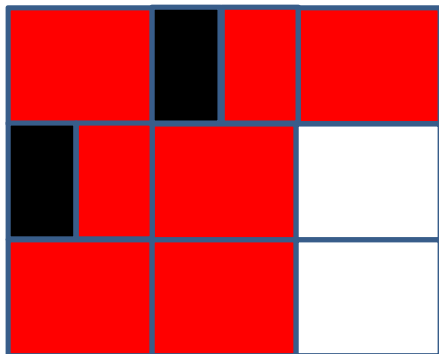
$$D_{1,1} = (1.1)$$

$$D_{1,3} = ((1.3), (3.1))$$

$$D_{2,2} = (2.2)$$

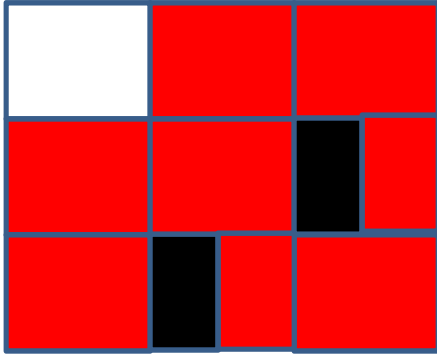
$$D_{2,3} = ((2.3), (3.2))$$

$$D_{3,3} = (3.3)$$



Für $D_{1,2}$ gilt: $(1.2) \subset N(2.1)$ und $(2.1) \subset N(1.2)$.

Für $D_{1,3}$ gilt: $N(1.3) \cap N(3.1) \neq \emptyset$.



Für $D_{2,3}$ gilt: $(2.3) \subset N(3.2)$ und $(3.2) \subset N(2.3)$.

2. Wesentlich komplexer sind die Nachbarschaften in der von Bense (1975, S. 105) eingeführten großen semiotischen Matrix.

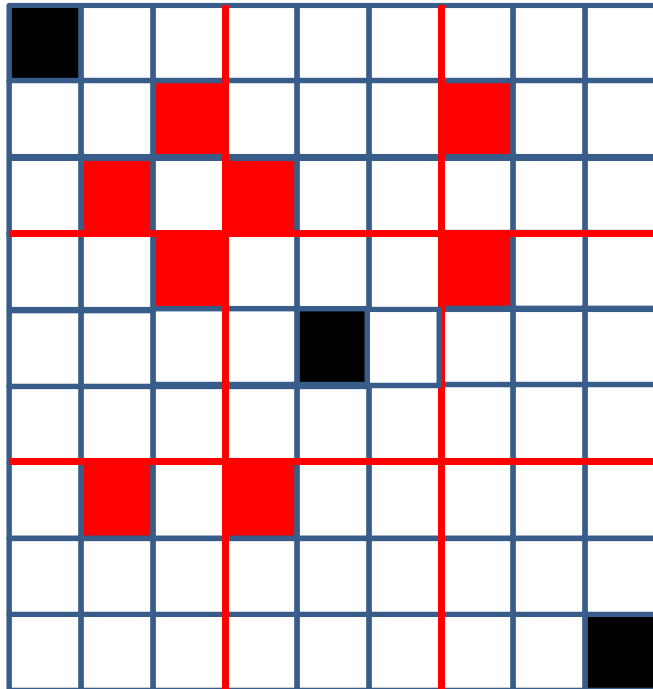
(1.1, 1.1)	(1.1, 1.2)	(1.1, 1.3)	(1.1, 2.1)	(1.1, 2.2)	(1.1, 2.3)	(1.1, 3.1)	(1.1, 3.2)	(1.1, 3.3)
(1.2, 1.1)	(1.2, 1.2)	(1.2, 1.3)	(1.2, 2.1)	(1.2, 2.2)	(1.2, 2.3)	(1.2, 3.1)	(1.2, 3.2)	(1.2, 3.3)
(1.3, 1.1)	(1.3, 1.2)	(1.3, 1.3)	(1.3, 2.1)	(1.3, 2.2)	(1.3, 2.3)	(1.3, 3.1)	(1.3, 3.2)	(1.3, 3.3)
(2.1, 1.1)	(2.1, 1.2)	(2.1, 1.3)	(2.1, 2.1)	(2.1, 2.2)	(2.1, 2.3)	(2.1, 3.1)	(2.1, 3.2)	(2.1, 3.3)
(2.2, 1.1)	(2.2, 1.2)	(2.2, 1.3)	(2.2, 2.1)	(2.2, 2.2)	(2.2, 2.3)	(2.2, 3.1)	(2.2, 3.2)	(2.2, 3.3)
(2.3, 1.1)	(2.3, 1.2)	(2.3, 1.3)	(2.3, 2.1)	(2.3, 2.2)	(2.3, 2.3)	(2.3, 3.1)	(2.3, 3.2)	(2.3, 3.3)
(3.1, 1.1)	(3.1, 1.2)	(3.1, 1.3)	(3.1, 2.1)	(3.1, 2.2)	(3.1, 2.3)	(3.1, 3.1)	(3.1, 3.2)	(3.1, 3.3)
(3.2, 1.1)	(3.2, 1.2)	(3.2, 1.3)	(3.2, 2.1)	(3.2, 2.2)	(3.2, 2.3)	(3.2, 3.1)	(3.2, 3.2)	(3.2, 3.3)
(3.3, 1.1)	(3.3, 1.2)	(3.3, 1.3)	(3.3, 2.1)	(3.3, 2.2)	(3.3, 2.3)	(3.3, 3.1)	(3.3, 3.2)	(3.3, 3.3)

Hier ist von Paaren von Subrelationen der Form $((a.b), (c.d))$ auszugehen, deren Permutationen

$((a.b), (c.d))$	$((c.d), (a.b))$
$((a.b), (d.c))$	$((d.c), (a.b))$
$((b.a), (c.d))$	$((c.d), (b.a))$
$((b.a), (d.c))$	$((d.c), (b.a))$

sämtliche paarweise zueinander dual sind. Vgl. z.B. das Paar (1.3, 2.1)

(1.1, 1.1)	(1.1, 1.2)	(1.1, 1.3)	(1.1, 2.1)	(1.1, 2.2)	(1.1, 2.3)	(1.1, 3.1)	(1.1, 3.2)	(1.1, 3.3)
(1.2, 1.1)	(1.2, 1.2)	<u>(1.2, 1.3)</u>	(1.2, 2.1)	(1.2, 2.2)	(1.2, 2.3)	<u>(1.2, 3.1)</u>	(1.2, 3.2)	(1.2, 3.3)
(1.3, 1.1)	<u>(1.3, 1.2)</u>	(1.3, 1.3)	<u>(1.3, 2.1)</u>	(1.3, 2.2)	(1.3, 2.3)	(1.3, 3.1)	(1.3, 3.2)	(1.3, 3.3)
(2.1, 1.1)	(2.1, 1.2)	<u>(2.1, 1.3)</u>	(2.1, 2.1)	(2.1, 2.2)	(2.1, 2.3)	<u>(2.1, 3.1)</u>	(1.1, 3.2)	(2.1, 3.3)
(2.2, 1.1)	(2.2, 1.2)	(2.2, 1.3)	(2.2, 2.1)	(2.2, 2.2)	(2.2, 2.3)	(2.2, 3.1)	(2.2, 3.2)	(2.2, 3.3)
(2.3, 1.1)	(2.3, 1.2)	(1.3, 1.3)	(2.3, 2.1)	(2.3, 2.2)	(2.3, 2.3)	(2.3, 3.1)	(2.3, 3.2)	(2.3, 3.3)
(3.1, 1.1)	<u>(3.1, 1.2)</u>	(3.1, 1.3)	<u>(3.1, 2.1)</u>	(3.1, 2.2)	(3.1, 2.3)	(3.1, 3.1)	(3.1, 3.2)	(3.1, 3.3)
(3.2, 1.1)	(3.2, 1.2)	(3.2, 1.3)	(3.2, 2.1)	(3.2, 2.2)	(3.2, 2.3)	(3.2, 3.1)	(3.2, 3.2)	(3.2, 3.3)
(3.3, 1.1)	(3.3, 1.2)	(3.3, 1.3)	(3.3, 2.1)	(3.3, 2.2)	(3.3, 2.3)	(3.3, 3.1)	(3.3, 3.2)	(3.3, 3.3)



Literatur

Bense, Max, Semiotische Prozesse und Systeme. Baden-Baden 1975

13.12.2013