

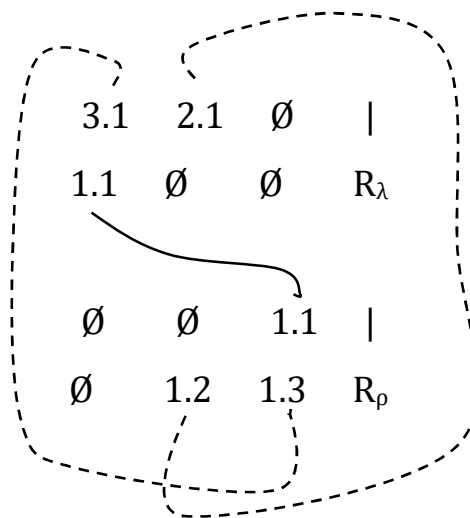
Prof. Dr. Alfred Toth

Relationen linker und rechter (primer) Ränder

1. Im vorliegenden Aufsatz werden semiotische Netzwerke präsentiert, welche die seitigen Zusammenhänge von Randrelationen über Primfeldern sichtbar machen; vgl. dazu v.a. Toth 2021a, b, c und c.

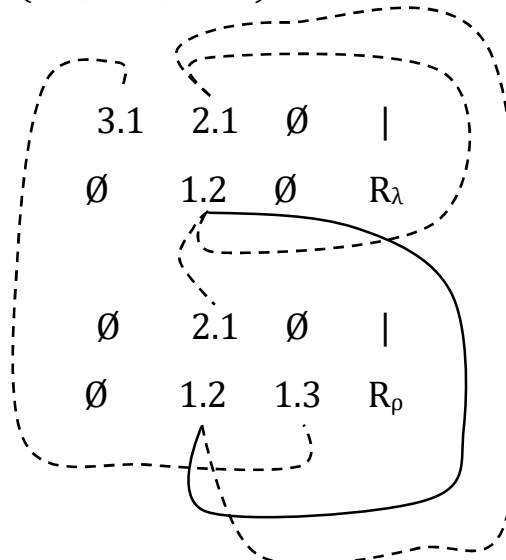
1. Dualsystem

$$(3.1, 2.1, 1.1) \times (1.1, 1.2, 1.3)$$



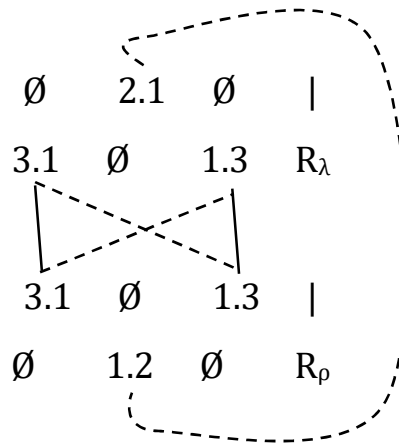
2. Dualsystem

$$(3.1, 2.1, 1.2) \times (2.1, 1.2, 1.3)$$



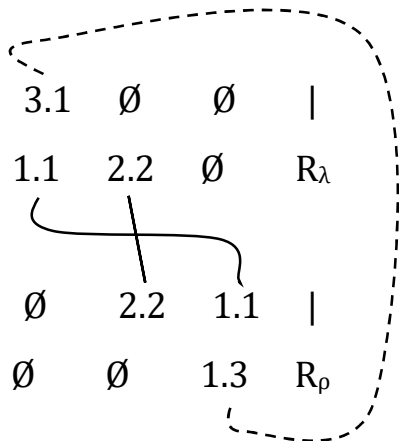
3. Dualsystem

$$(3.1, 2.1, 1.3) \times (3.1, 1.2, 1.3)$$



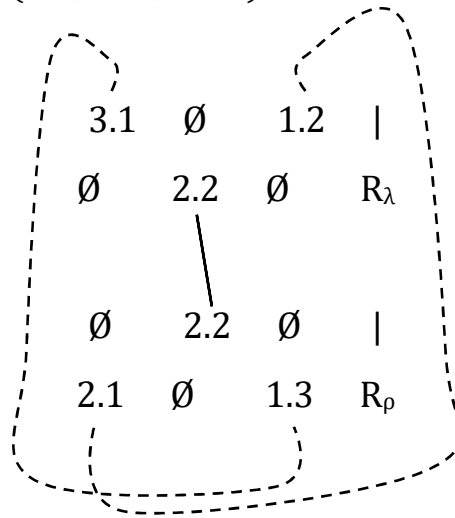
4. Dualsystem

$$(3.1, 2.2, 1.1) \times (1.1, 2.2, 1.3)$$



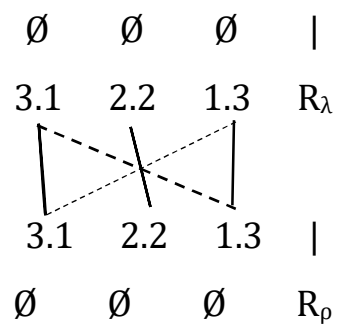
5. Dualsystem

$$(3.1, 2.2, 1.2) \times (2.1, 2.2, 1.3)$$



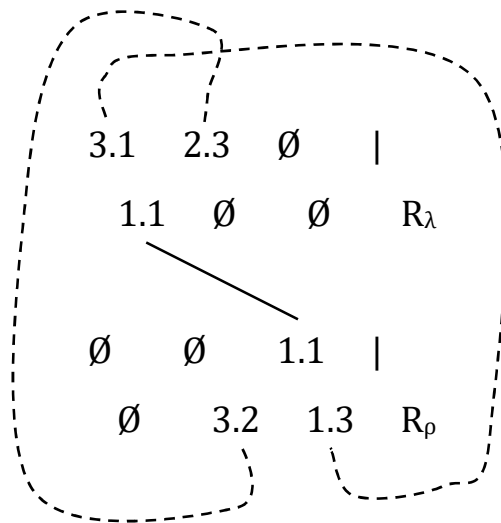
6. Dualsystem

$$(3.1, 2.2, 1.3) \times (3.1, 2.2, 1.3)$$



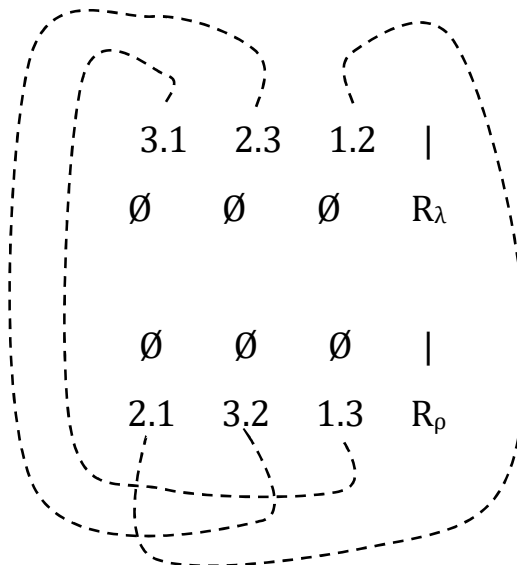
7. Dualsystem

$$(3.1, 2.3, 1.1) \times (1.1, 3.2, 1.3)$$



8. Dualsystem

$$(3.1, 2.3, 1.2) \times (2.1, 3.2, 1.3)$$



9. Dualsystem

$$(3.1, 2.3, 1.3) \times (3.1, 3.2, 1.3)$$

$\emptyset$	2.3	$\emptyset$	
3.1	$\emptyset$	1.3	R_λ
3.1	$\emptyset$	1.3	
$\emptyset$	3.2	$\emptyset$	R_ρ

10. Dualsystem

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

3.2	2.1	$\emptyset$	
1.1	$\emptyset$	$\emptyset$	R_λ
$\emptyset$	$\emptyset$	1.1	
$\emptyset$	1.2	2.3	R_ρ

11. Dualsystem

$$(3.2, 2.1, 1.2) \times (2.1, 1.2, 2.3)$$

3.2	∅	∅	
2.1	1.2	∅	R _λ
∅	2.1	1.2	
∅	∅	2.3	R _ρ

12. Dualsystem

$$(3.2, 2.1, 1.3) \times (3.1, 1.2, 2.3)$$

3.2	2.1	1.3	
∅	∅	∅	R _λ
∅	∅	∅	
3.1	1.2	2.3	R _ρ

13. Dualsystem

$$(3.2, 2.2, 1.1) \times (1.1, 2.2, 2.3)$$

The diagram shows a 4x3 grid of values. A dashed line forms a loop around the first three rows and the first two columns. A solid line connects the value 1.1 in the second row, first column to the value 1.1 in the third row, third column.

3.2	∅	∅	
1.1	2.2	∅	R _λ
∅	2.2	1.1	
∅	∅	2.3	R _ρ

14. Dualsystem

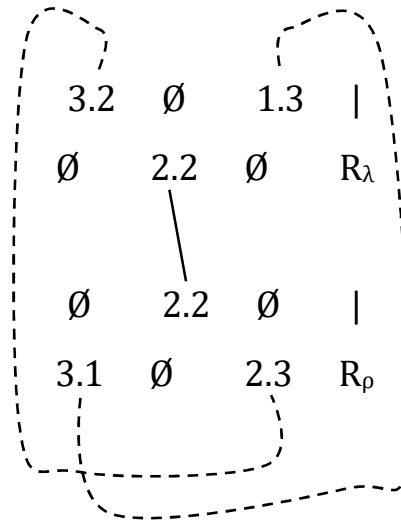
$$(3.2, 2.2, 1.2) \times (2.1, 2.2, 2.3)$$

The diagram shows a 4x3 grid of values. A dashed line forms a loop around the first three rows and the first two columns. A solid line connects the value 2.2 in the second row, second column to the value 2.2 in the third row, second column.

3.2	∅	1.2	
∅	2.2	∅	R _λ
∅	2.2	∅	
2.1	∅	2.3	R _ρ

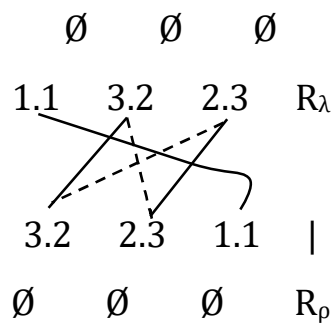
15. Dualsystem

$$(3.2, 2.2, 1.3) \times (3.1, 2.2, 2.3)$$



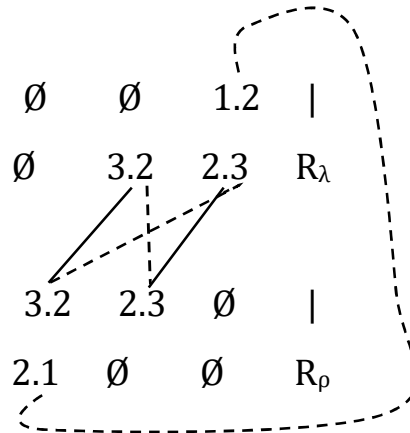
16. Dualsystem

$$(3.2, 2.3, 1.1) \times (1.1, 3.2, 2.3)$$



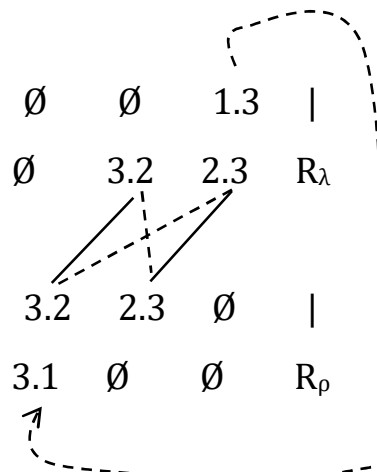
17. Dualsystem

$$(3.2, 2.3, 1.2) \times (2.1, 3.2, 2.3)$$



18. Dualsystem

$$(3.2, 2.3, 1.3) \times (3.1, 3.2, 2.3)$$



19. Dualsystem

$$(3.3, 2.1, 1.1) \times (1.1, 1.2, 3.3)$$

$\emptyset$	2.1	$\emptyset$	
1.1	$\emptyset$	3.3	R_λ
3.3	$\emptyset$	1.1	
$\emptyset$	1.2	$\emptyset$	R_ρ

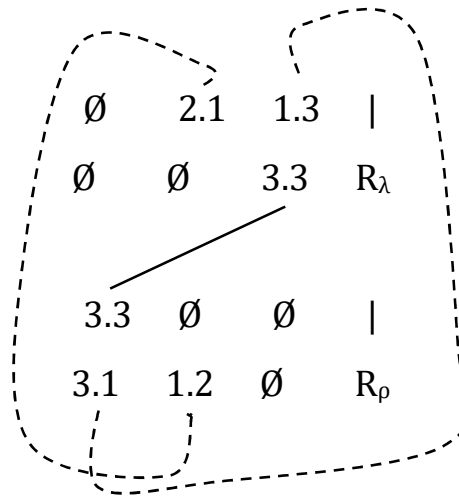
20. Dualsystem

$$(3.3, 2.1, 1.2) \times (2.1, 1.2, 3.3)$$

$\emptyset$	2.1	$\emptyset$	
$\emptyset$	1.2	3.3	R_λ
3.3	2.1	$\emptyset$	
$\emptyset$	1.2	$\emptyset$	R_ρ

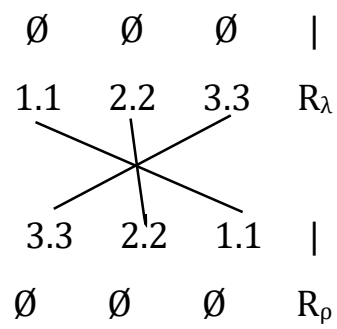
21. Dualsystem

$$(3.3, 2.1, 1.3) \times (3.1, 1.2, 3.3)$$



22. Dualsystem

$$(3.3, 2.2, 1.1) \times (1.1, 2.2, 3.3)$$



23. Dualsystem

$$(3.3, 2.2, 1.2) \times (2.1, 2.2, 3.3)$$

$\emptyset$	$\emptyset$	1.2	
$\emptyset$	2.2	3.3	R_λ
3.3	2.2	$\emptyset$	
2.1	$\emptyset$	$\emptyset$	R_ρ

24. Dualsystem

$$(3.3, 2.2, 1.3) \times (3.1, 2.2, 3.3)$$

$\emptyset$	$\emptyset$	1.3	
$\emptyset$	2.2	3.3	R_λ
3.3	2.2	$\emptyset$	
3.1	$\emptyset$	$\emptyset$	R_ρ

25. Dualsystem

$$(3.3, 2.3, 1.1) \times (1.1, 3.2, 3.3)$$

$\emptyset$	2.3	$\emptyset$	
1.1	$\emptyset$	3.3	R_λ
3.3	$\emptyset$	1.1	
$\emptyset$	3.2	$\emptyset$	R_ρ

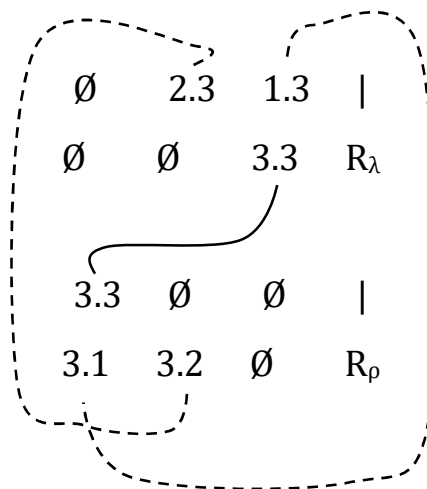
26. Dualsystem

$$(3.3, 2.3, 1.2) \times (2.1, 3.2, 3.3)$$

$\emptyset$	2.3	1.2	
$\emptyset$	$\emptyset$	3.3	R_λ
3.3	$\emptyset$	$\emptyset$	
2.1	3.2	$\emptyset$	R_ρ

27. Dualsystem

$$(3.3, 2.3, 1.3) \times (3.1, 3.2, 3.3)$$



Literatur

Toth, Alfred, Ränder von Zeichen. In: Electronic Journal for Mathematical Semiotics, 2021a

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Toth, Alfred, Primfeldern als Randsysteme. In: Electronic Journal for Mathematical Semiotics, 2021c

Toth, Alfred, Prime semiotische Systeme. In: Electronic Journal for Mathematical Semiotics, 2021d

18.6.2021