

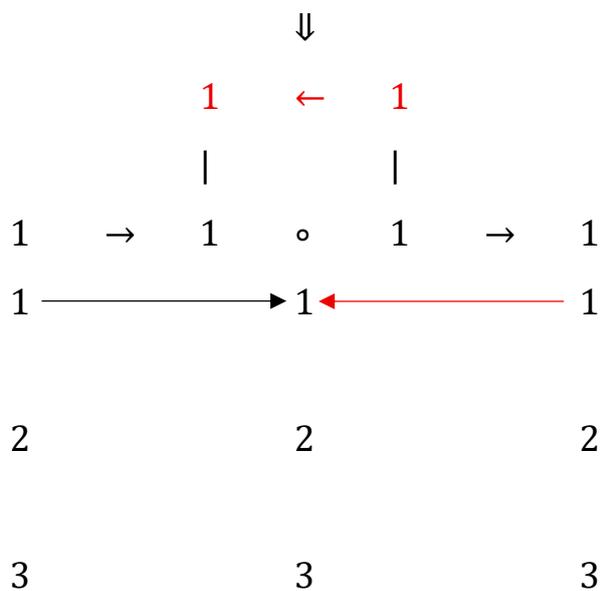
Prof. Dr. Alfred Toth

## Trajektische Relationen und Heteromorphismen von Primzeichenfolgen

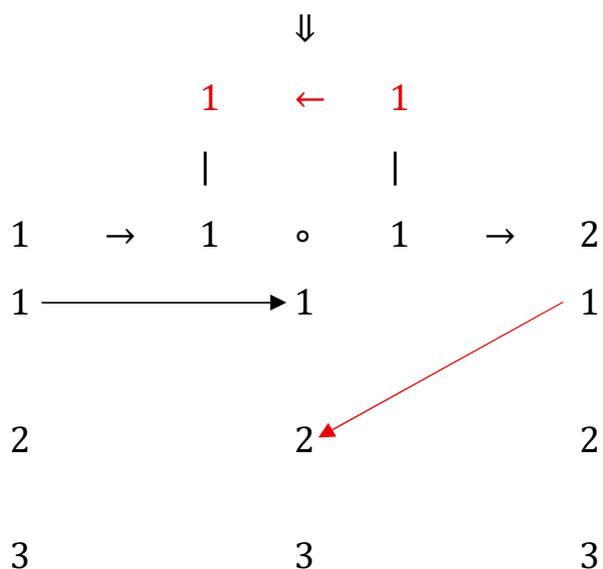
1. In Toth (2026) hatten wir die Trajektogramme zu allen  $3^3 = 27$  ternären Primzeichenrelationen gebildet. Im folgenden stellen wir den rechtsseitigen trajektischen Relationen die Heteromorphismen von Diamonds (vgl. Kaehr 2007) gegenüber.

### 2. Trajektogramme von Primzeichenfolgen

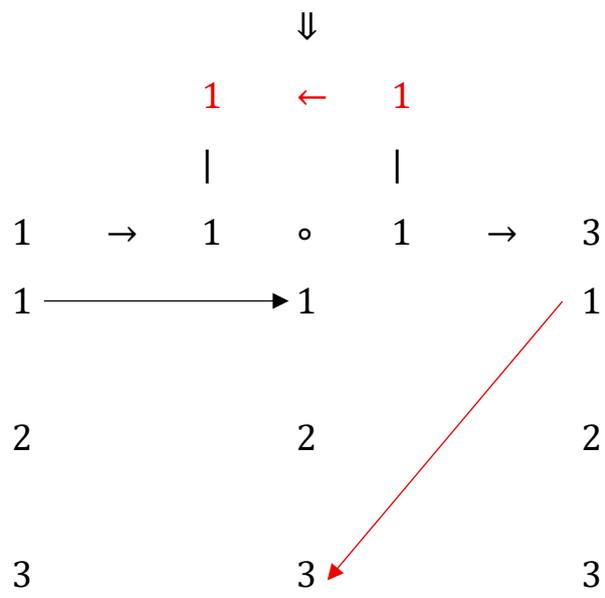
$$T(1, 1, 1) = (1, 1, 1, 1)$$



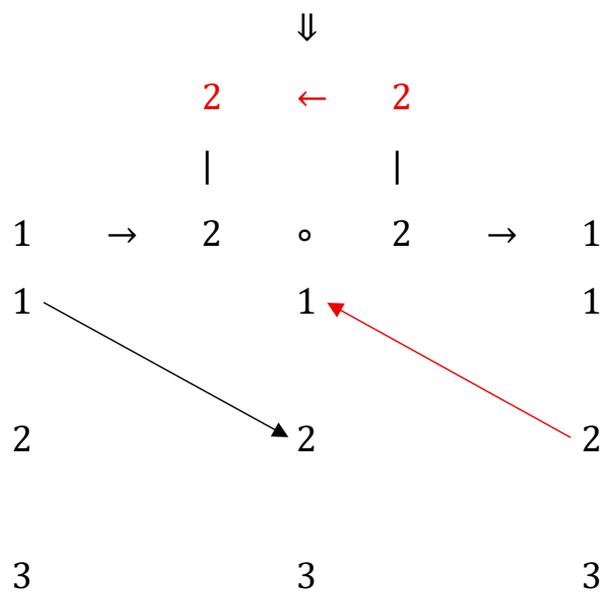
$$T(1, 1, 2) = (1, 1, 1, 2)$$



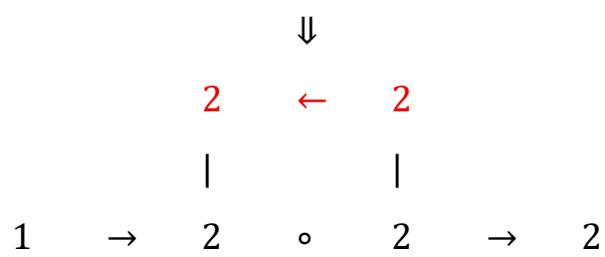
$$T(1, 1, 3) = (1, 1, 1, 3)$$

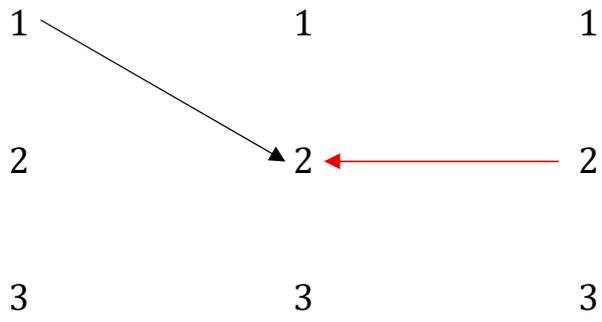


$$T(1, 2, 1) = (1, 2, 2, 1)$$



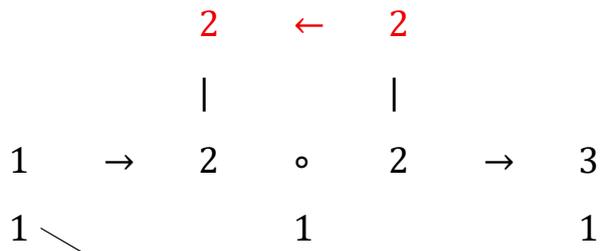
$$T(1, 2, 2) = (1, 2, 2, 2)$$





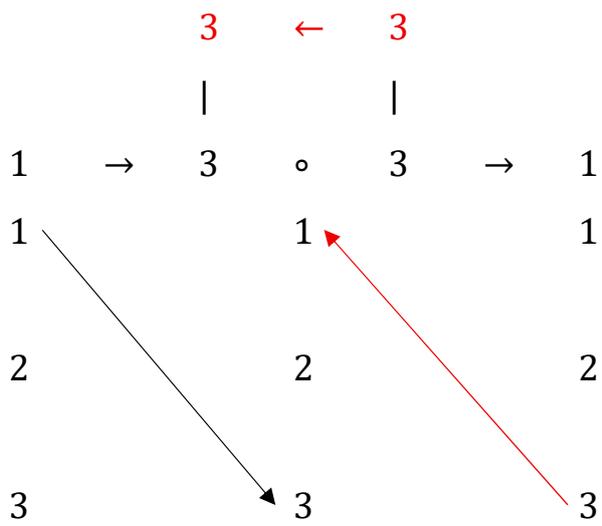
$T(1, 2, 3) = (1, 2, 2, 3)$

↓

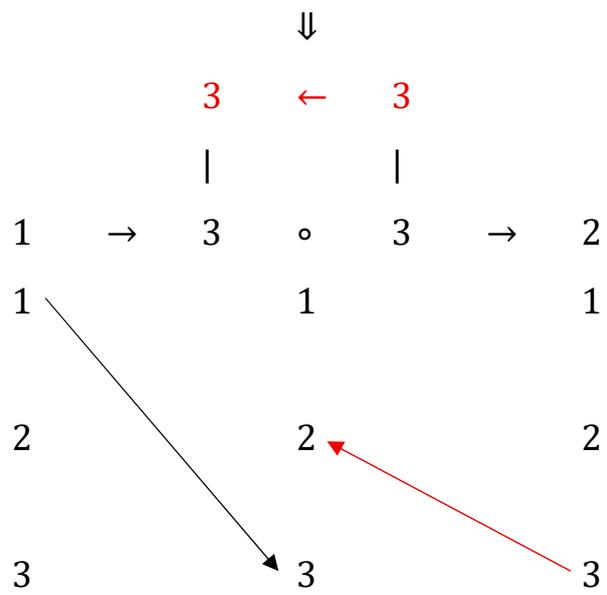


$T(1, 3, 1) = (1, 3, 3, 1)$

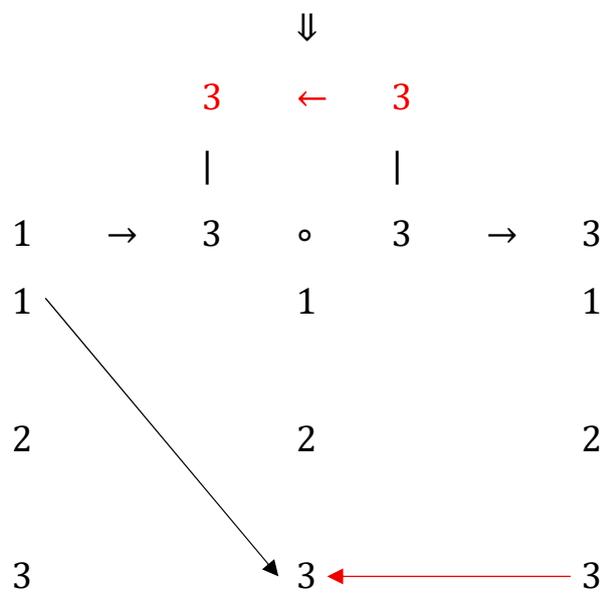
↓



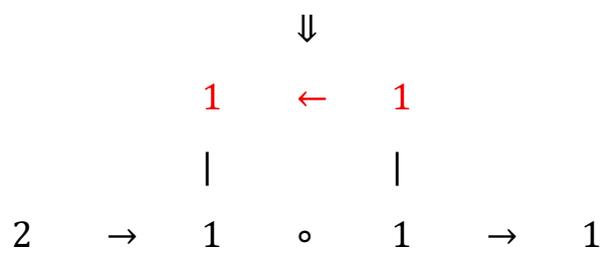
$$T(1, 3, 2) = (1, 3, 3, 2)$$

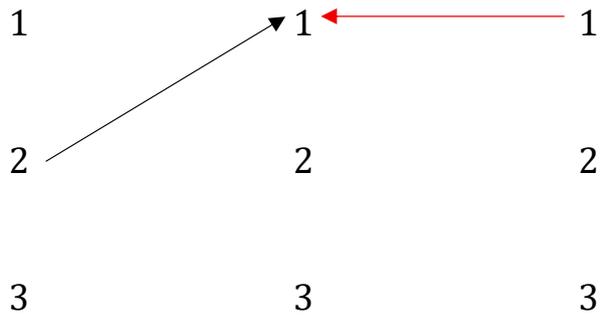


$$T(1, 3, 3) = (1, 3, 3, 3)$$



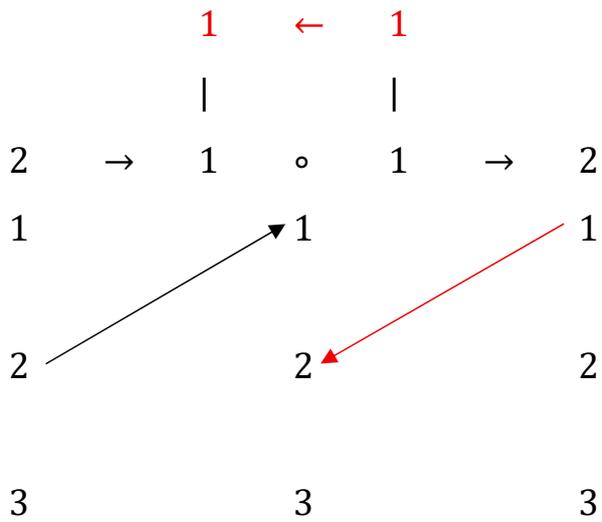
$$T(2, 1, 1) = (2, 1, 1, 1)$$





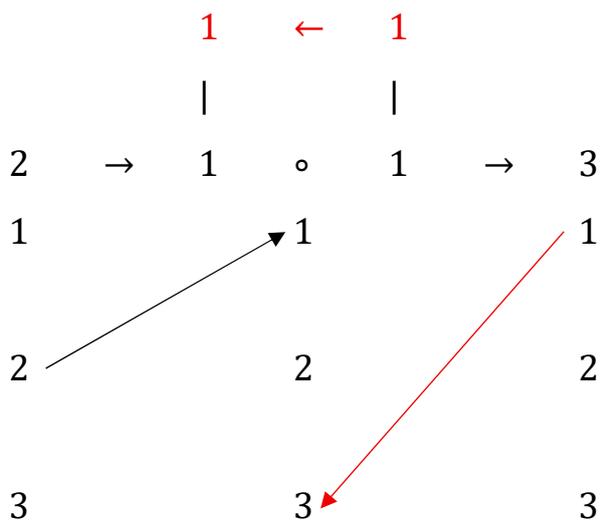
$$T(2, 1, 2) = (2, 1, 1, 2)$$

↓

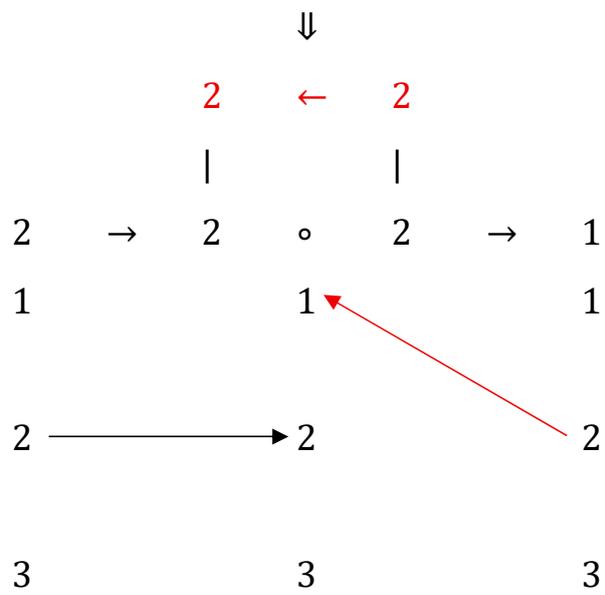


$$T(2, 1, 3) = (2, 1, 1, 3)$$

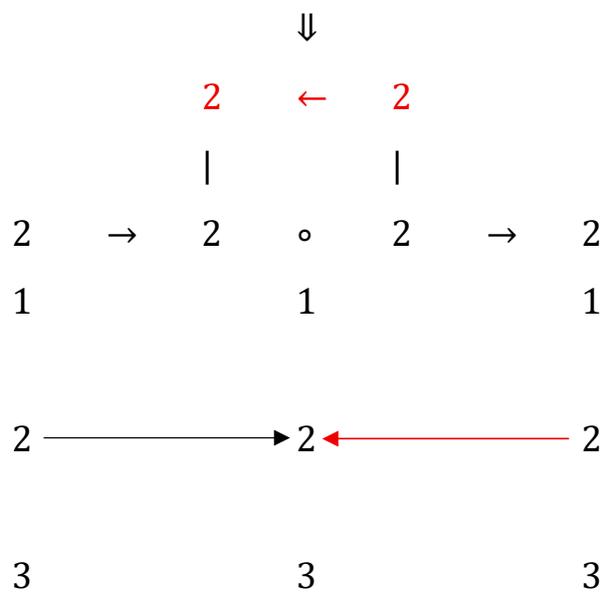
↓



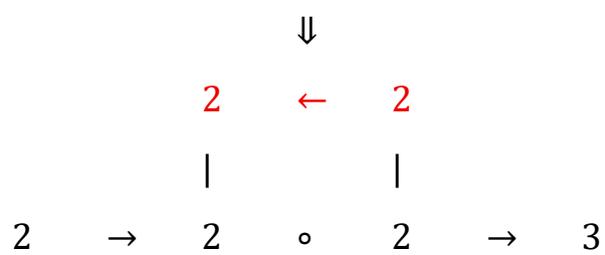
$$T(2, 2, 1) = (2, 2, 2, 1)$$

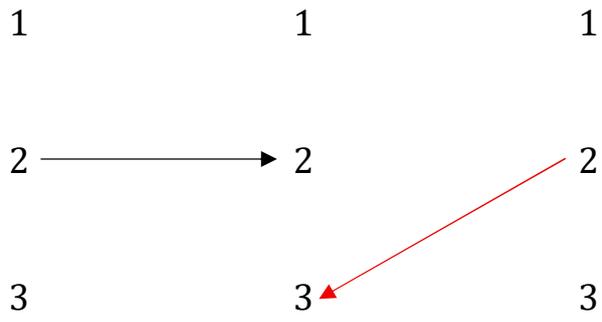


$$T(2, 2, 2) = (2, 2, 2, 2)$$



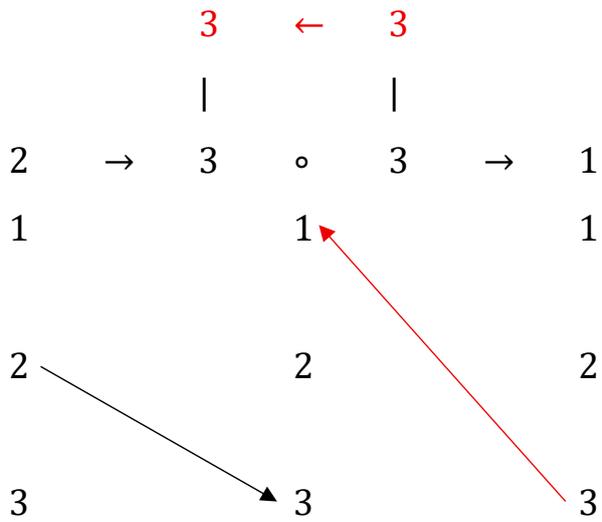
$$T(2, 2, 3) = (2, 2, 2, 3)$$





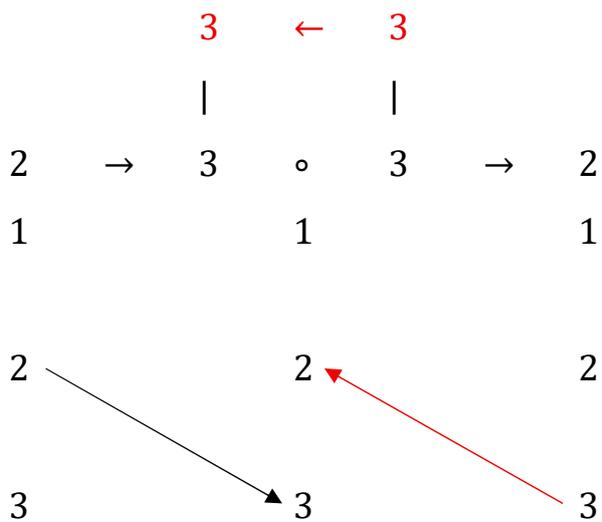
$$T(2, 3, 1) = (2, 3, 3, 1)$$

↓

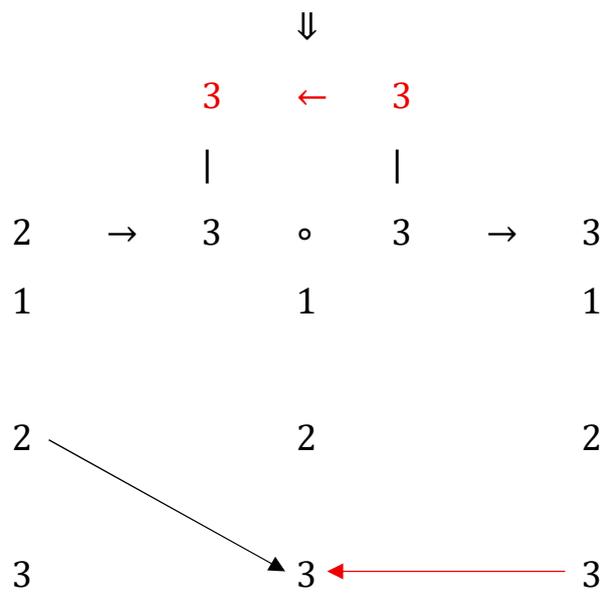


$$T(2, 3, 2) = (2, 3, 3, 2)$$

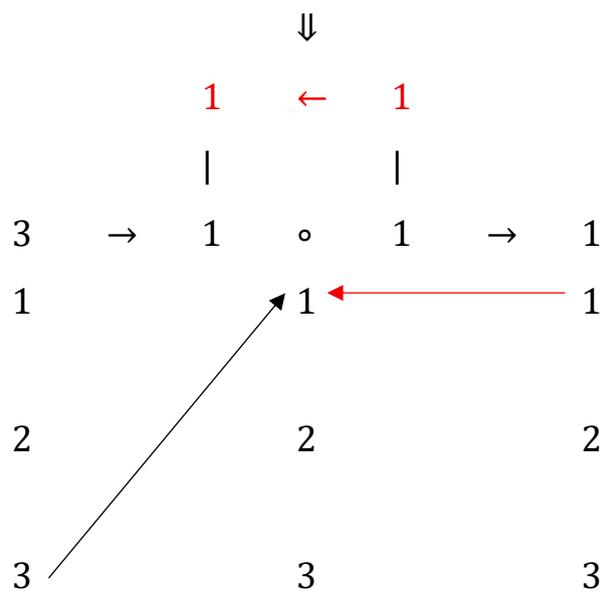
↓



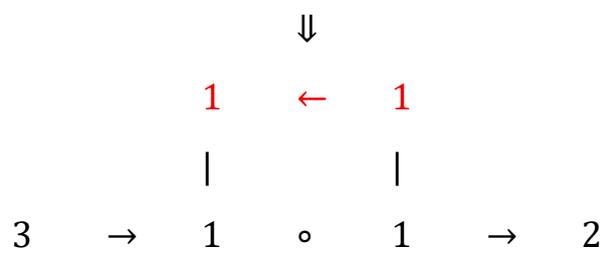
$$T(2, 3, 3) = (2, 3, 3, 3)$$

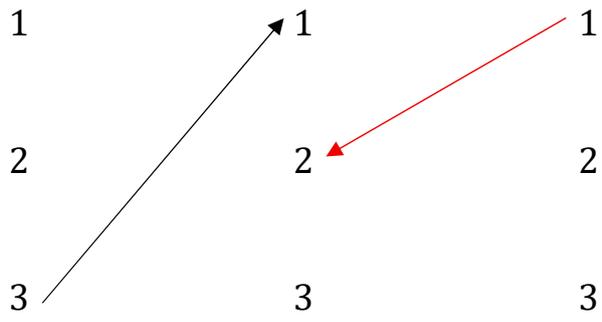


$$T(3, 1, 1) = (3, 1, 1, 1)$$



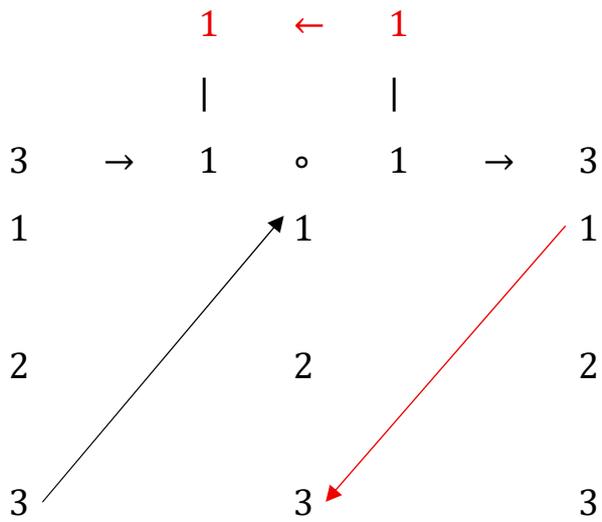
$$T(3, 1, 2) = (3, 1, 1, 2)$$





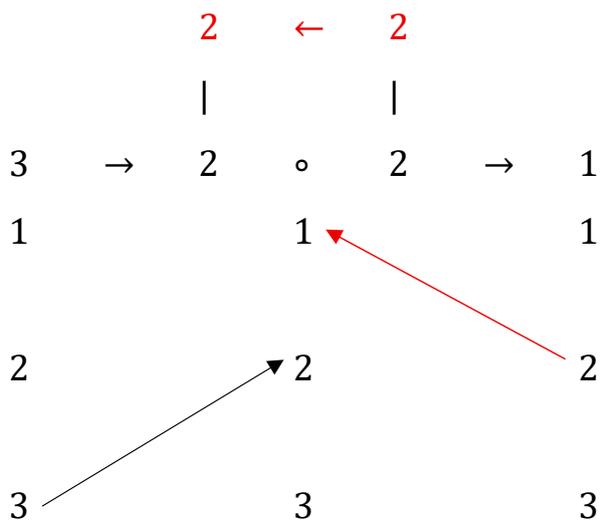
$$T(3, 1, 3) = (3, 1, 1, 3)$$

↓



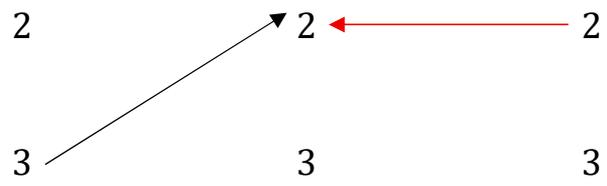
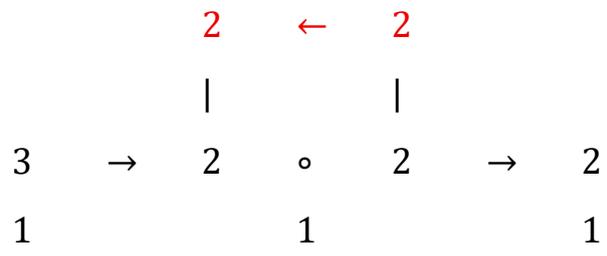
$$T(3, 2, 1) = (3, 2, 2, 1)$$

↓



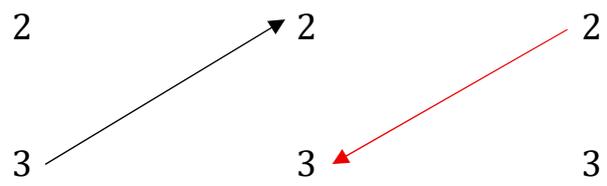
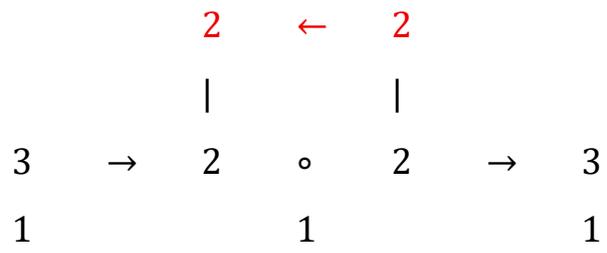
$$T(3, 2, 2) = (3, 2, 2, 2)$$

↓



$$T(3, 2, 3) = (3, 2, 2, 3)$$

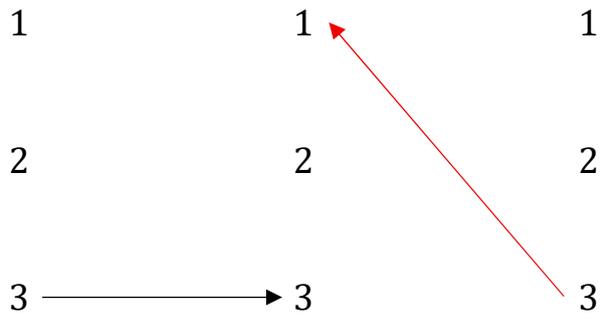
↓



$$T(3, 3, 1) = (3, 3, 3, 1)$$

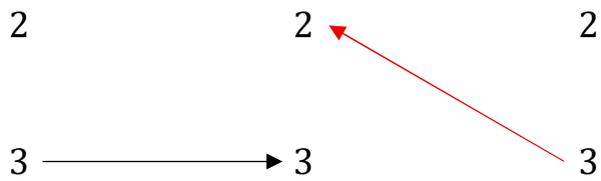
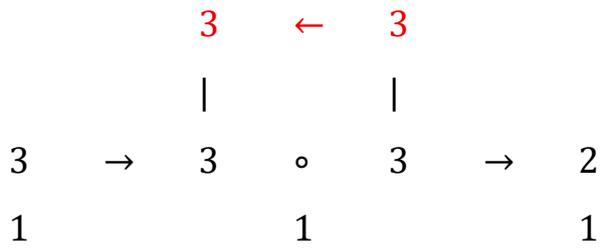
↓





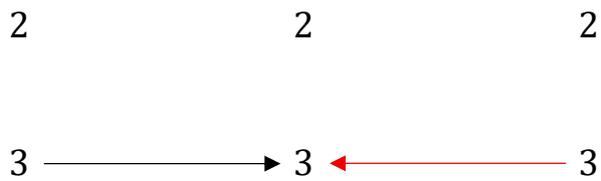
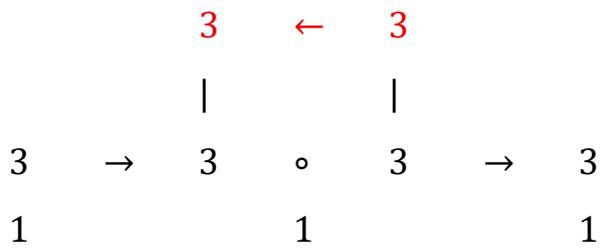
$$T(3, 3, 2) = (3, 3, 3, 2)$$

↓



$$T(3, 3, 3) = (3, 3, 3, 3)$$

↓



Literatur

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

Toth, Alfred, Trajektogramme von Primzeichenfolgen. In: Electronic Journal  
for Mathematical Semiotics, 2026

14.3.2026