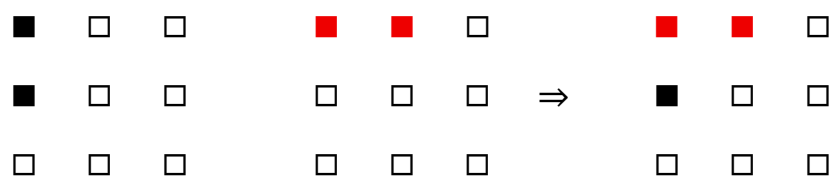


## Strukturdiagramme nicht-eigentrajektischer dualer Relationen

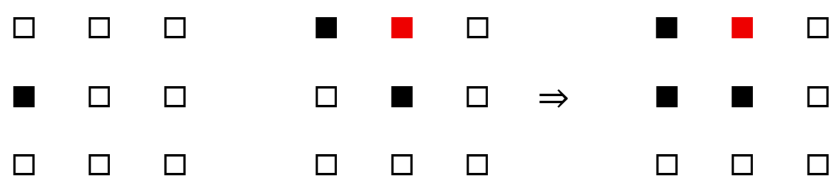
1. Wie bereits in Toth (2026), benutzen wir Paare von an semiotische Matrizen angelehnte Strukturschemata zur Darstellung nicht-eigentrajektischer Trajektionsklassen. Diese koinzidieren in einigen Fällen mit ihren dualen Relationen, in der Regel aber nicht, ohne daß bislang klar ist, wann Koinzidenz oder Nicht-Koinzidenz eintritt. Duale Relationen werden wiederum rot markiert. Rot dominiert über schwarz. Im folgenden kreieren wir Patterns aus semiotischen Werten, indem wir die Paare nicht-eigentrajektischer Relationen und ihrer Dualen zusammenlegen.

### 2. Strukturdiagramme nicht-eigentrajektischer dualer Relationen

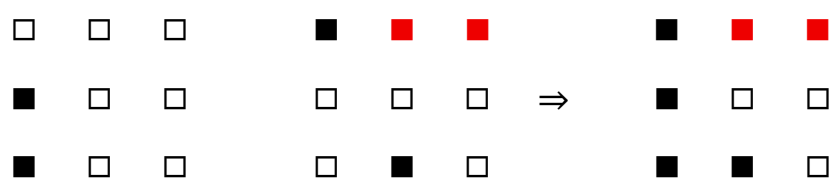
$$\text{TKI} = (1 \ 1 \ 2 \ 1, \ 1 \ 2 \ 1 \ 1)$$



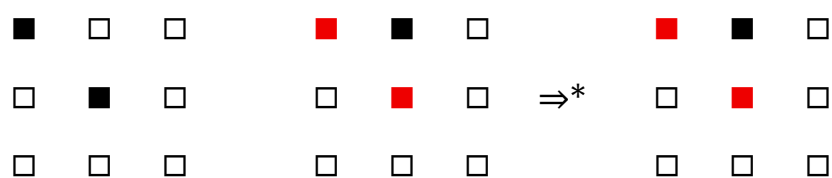
$$\text{TKI} = (2 \ 1 \ 2 \ 1, \ 2 \ 2 \ 1 \ 1)$$



$$\text{TKI} = (3 \ 1 \ 2 \ 1, \ 3 \ 2 \ 1 \ 1)$$

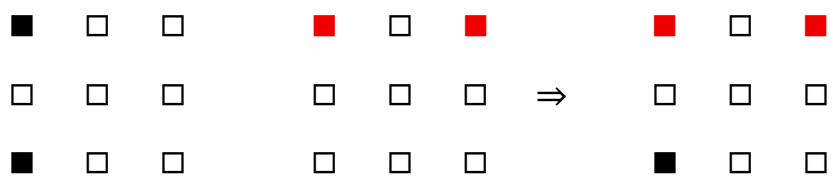


$$\text{TKI} = (1 \ 1 \ 2 \ 2, \ 1 \ 2 \ 1 \ 2)$$

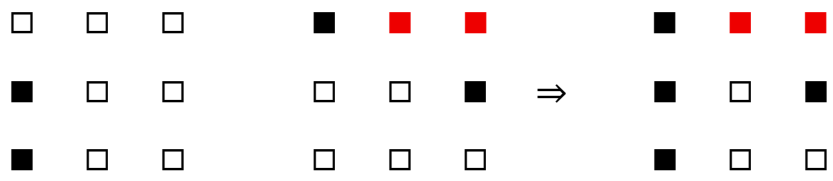




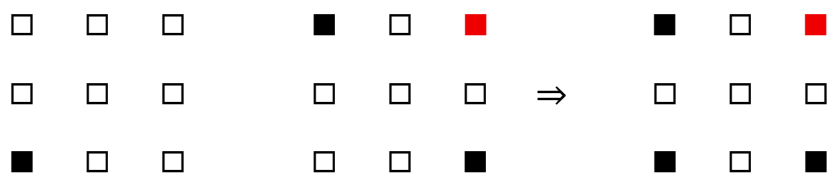
$$\text{TKI} = (1 \ 1 \ 3 \ 1, \ 1 \ 3 \ 1 \ 1)$$



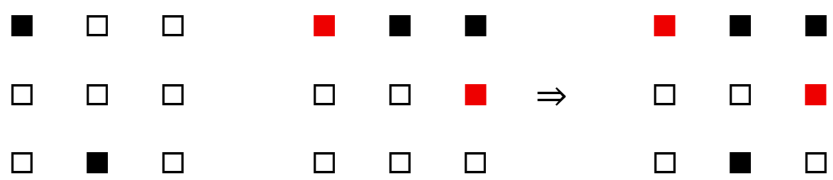
$$\text{TKI} = (2 \ 1 \ 3 \ 1, \ 2 \ 3 \ 1 \ 1)$$



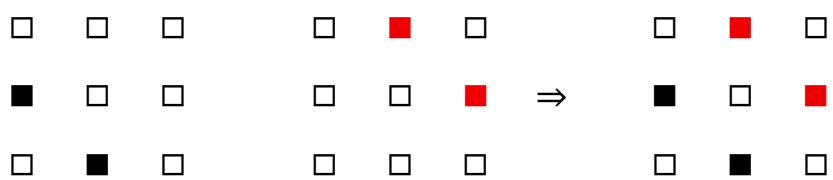
$$\text{TKI} = (3 \ 1 \ 3 \ 1, \ 3 \ 3 \ 1 \ 1)$$



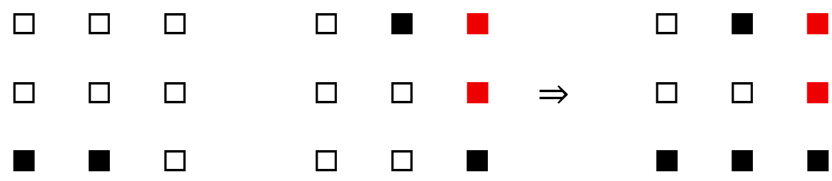
$$\text{TKI} = (1 \ 1 \ 3 \ 2, \ 1 \ 3 \ 1 \ 2)$$



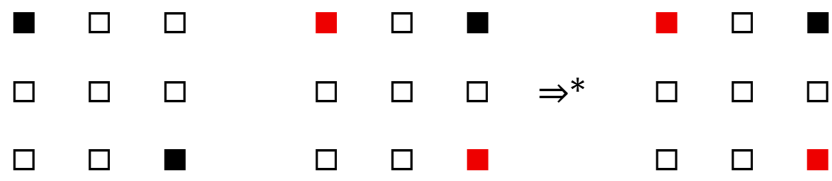
$$\text{TKI} = (2 \ 1 \ 3 \ 2, \ 2 \ 3 \ 1 \ 2)$$



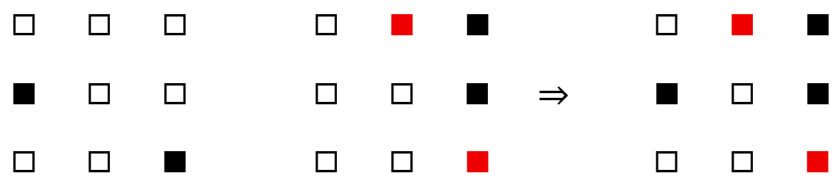
$$\text{TKI} = (3 \ 1 \ 3 \ 2, \ 3 \ 3 \ 1 \ 2)$$



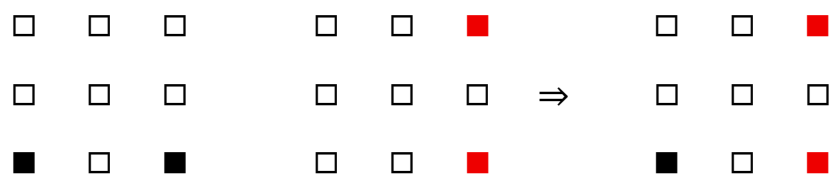
$$\text{TKI} = (1 \ 1 \ 3 \ 3, \ 1 \ 3 \ 1 \ 3)$$



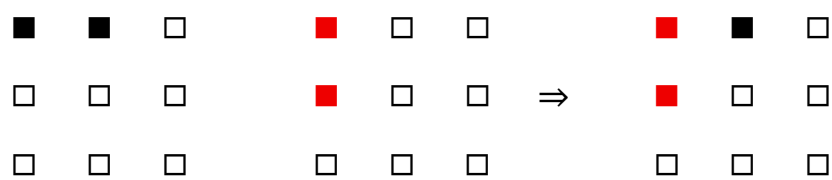
$$\text{TKI} = (2 \ 1 \ 3 \ 3, \ 2 \ 3 \ 1 \ 3)$$



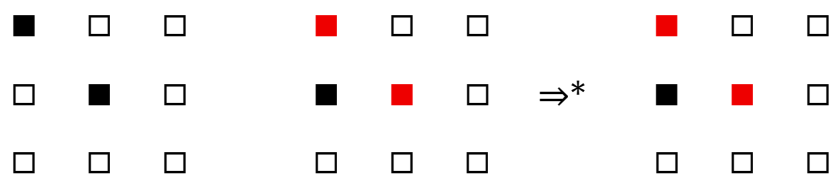
$$\text{TKI} = (3 \ 1 \ 3 \ 3, \ 3 \ 3 \ 1 \ 3)$$



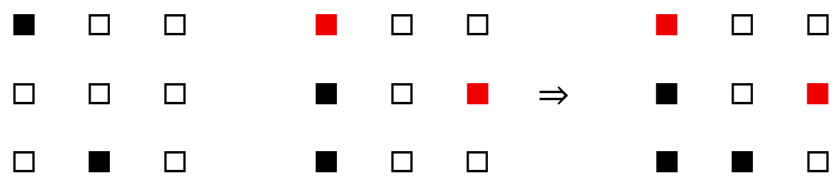
$$\text{TKI} = (1 \ 2 \ 1 \ 1, \ 1 \ 1 \ 2 \ 1)$$



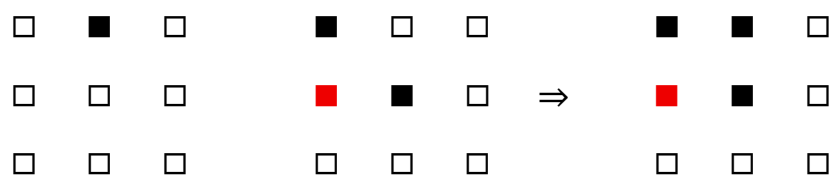
$$\text{TKI} = (2\ 2\ 1\ 1, 2\ 1\ 2\ 1)$$



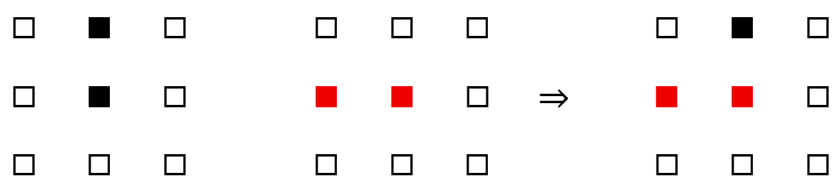
$$\text{TKI} = (3\ 2\ 1\ 1, 3\ 1\ 2\ 1)$$



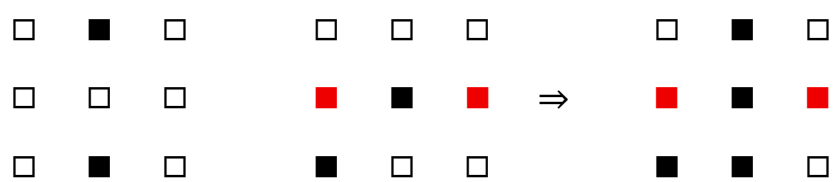
$$\text{TKI} = (1\ 2\ 1\ 2, 1\ 1\ 2\ 2)$$



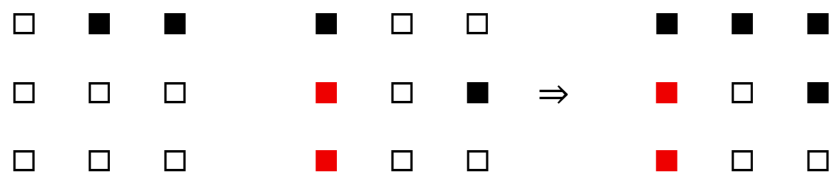
$$\text{TKI} = (2\ 2\ 1\ 2, 2\ 1\ 2\ 1)$$



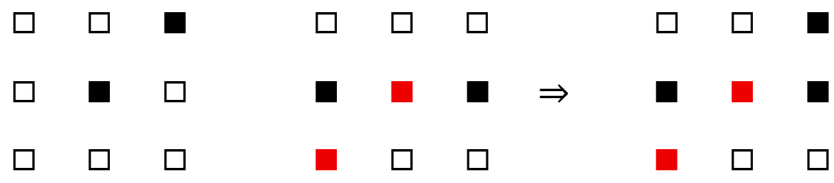
$$\text{TKI} = (3\ 2\ 1\ 2, 3\ 1\ 2\ 2)$$



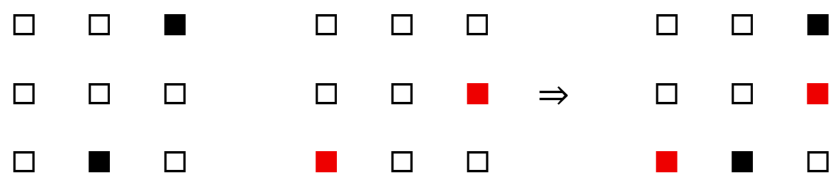
$$\text{TKI} = (1\ 2\ 1\ 3, 1\ 1\ 2\ 3)$$



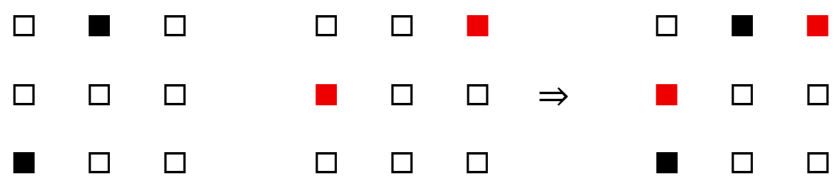
$$\text{TKI} = (2\ 2\ 1\ 3, 2\ 1\ 2\ 3)$$



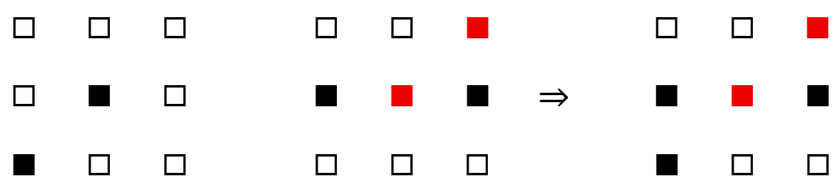
$$\text{TKI} = (3\ 2\ 1\ 3, 3\ 1\ 2\ 3)$$



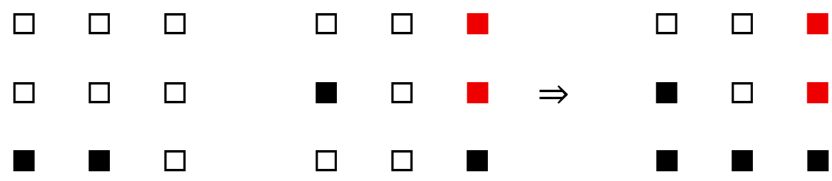
$$\text{TKI} = (1\ 2\ 3\ 1, 1\ 3\ 2\ 1)$$



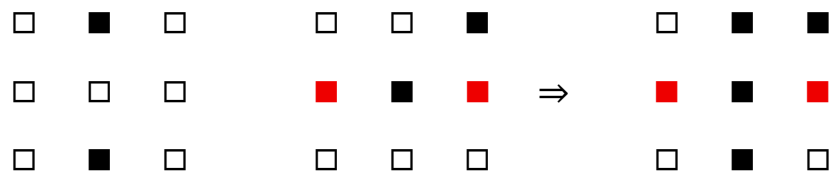
$$\text{TKI} = (2\ 2\ 3\ 1, 2\ 3\ 2\ 1)$$



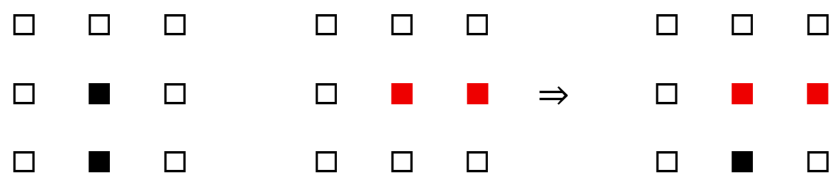
TKI = (3 2 3 1, 3 3 2 1)



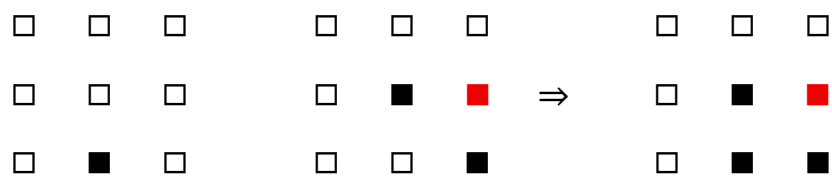
TKI = (1 2 3 2, 1 3 2 2)



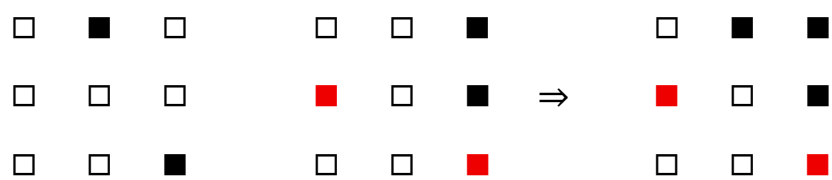
TKI = (2 2 3 2, 2 3 2 2)



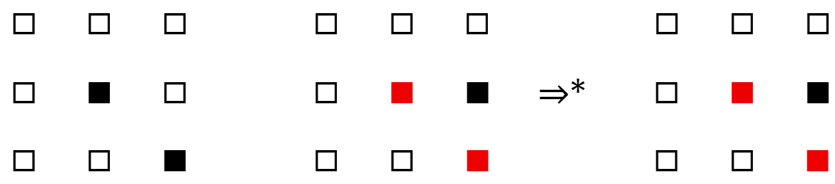
TKI = (3 2 3 2, 3 3 2 2)



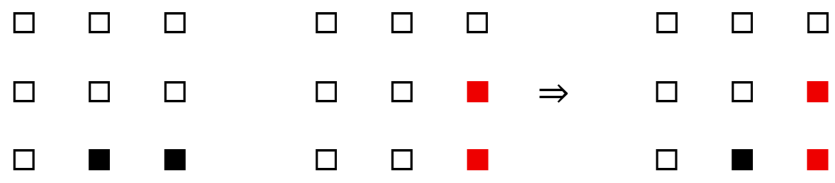
TKI = (1 2 3 3, 1 3 2 3)



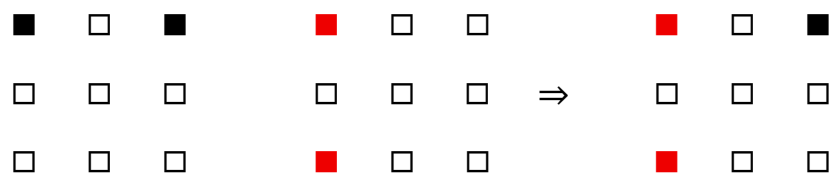
$$\text{TKI} = (2\ 2\ 3\ 3, 2\ 3\ 2\ 3)$$



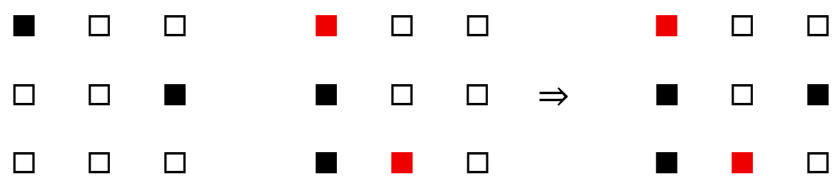
$$\text{TKI} = (3\ 2\ 3\ 3, 3\ 3\ 2\ 3)$$



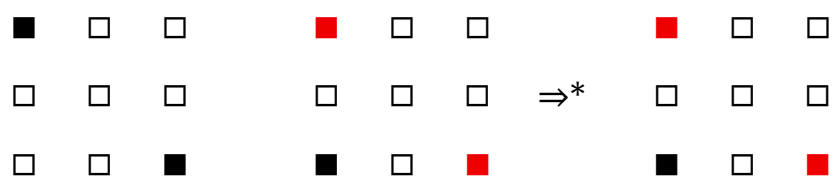
$$\text{TKI} = (1\ 3\ 1\ 1, 1\ 1\ 3\ 1)$$



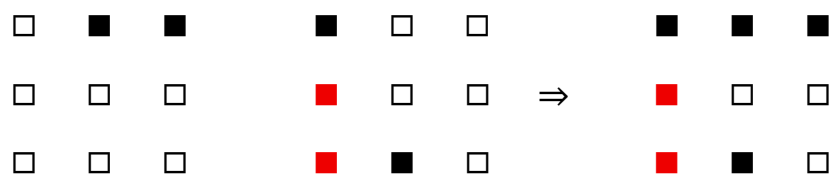
$$\text{TKI} = (2\ 3\ 1\ 1, 2\ 1\ 3\ 1)$$



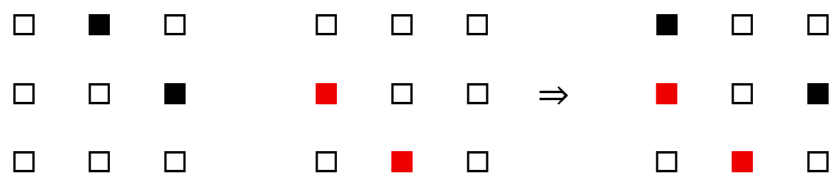
$$\text{TKI} = (3\ 3\ 1\ 1, 3\ 1\ 3\ 1)$$



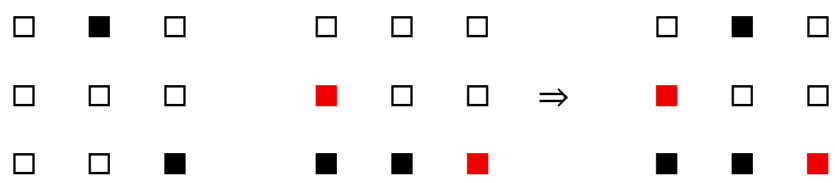
$$\text{TKI} = (1\ 3\ 1\ 2, 1\ 1\ 3\ 2)$$



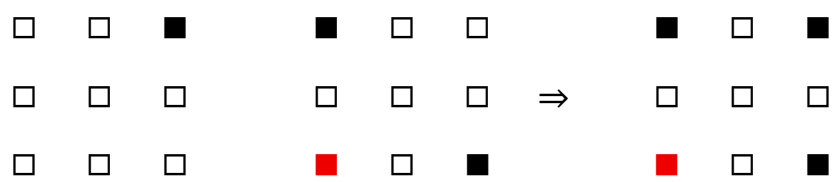
$$\text{TKI} = (2\ 3\ 1\ 2, 2\ 1\ 3\ 2)$$



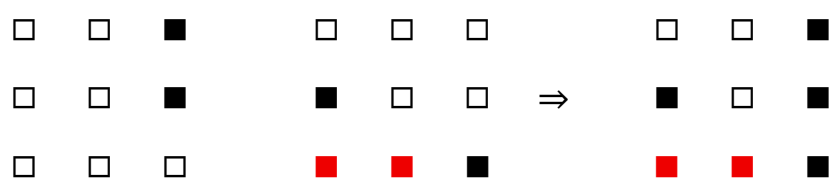
$$\text{TKI} = (3\ 3\ 1\ 2, 3\ 1\ 3\ 2)$$



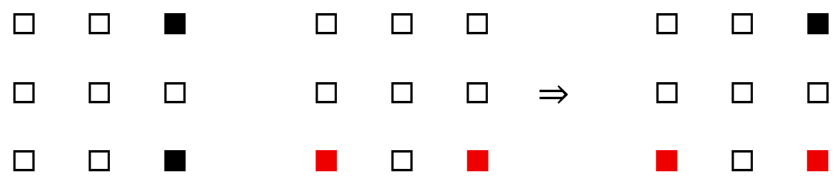
$$\text{TKI} = (1\ 3\ 1\ 3, 1\ 1\ 3\ 3)$$



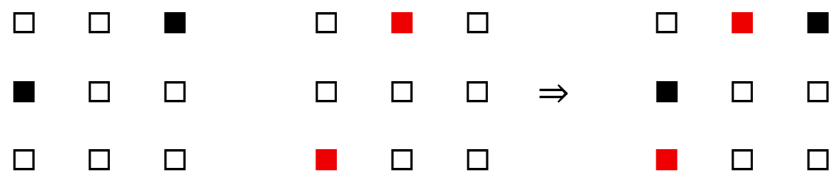
$$\text{TKI} = (2\ 3\ 1\ 3, 2\ 1\ 3\ 3)$$



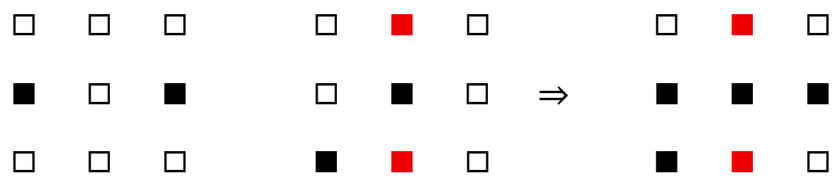
$$\text{TKI} = (3 \ 3 \ 1 \ 3, \ 3 \ 1 \ 3 \ 3)$$



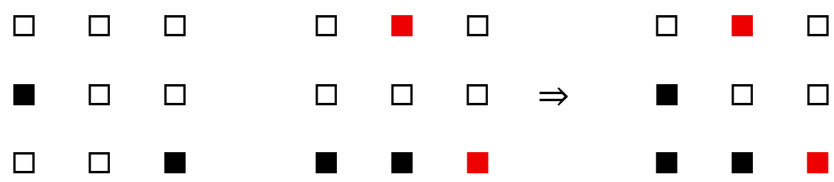
$$\text{TKI} = (1 \ 3 \ 2 \ 1, \ 1 \ 2 \ 3 \ 1)$$



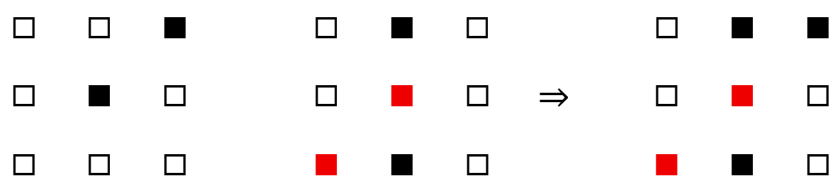
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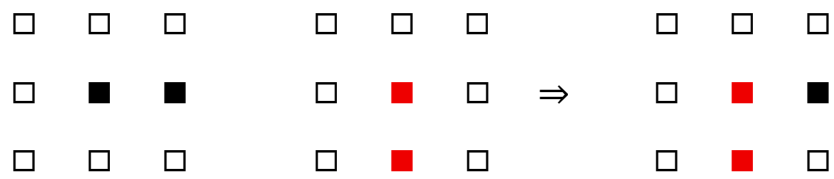
$$\text{TKI} = (3 \ 3 \ 2 \ 1, \ 3 \ 2 \ 3 \ 1)$$



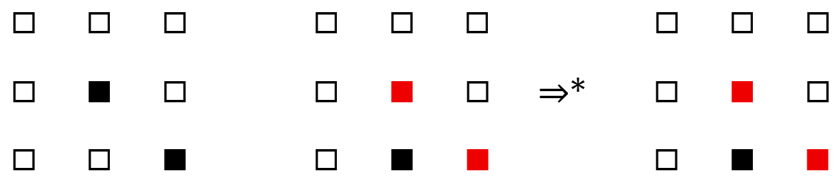
$$\text{TKI} = (1 \ 3 \ 2 \ 2, \ 1 \ 2 \ 3 \ 2)$$



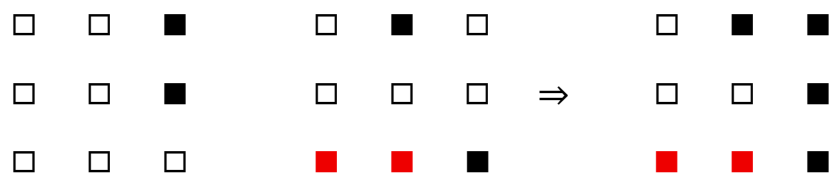
$$\text{TKI} = (2\ 3\ 2\ 2, \ 2\ 2\ 3\ 2)$$



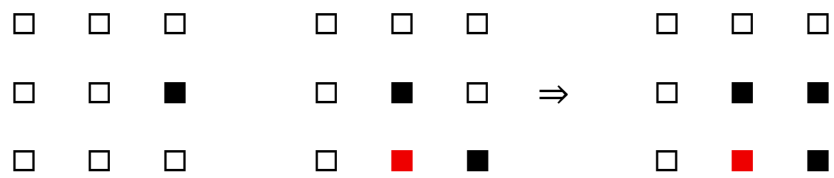
$$\text{TKI} = (3\ 3\ 2\ 2, \ 3\ 2\ 3\ 2)$$



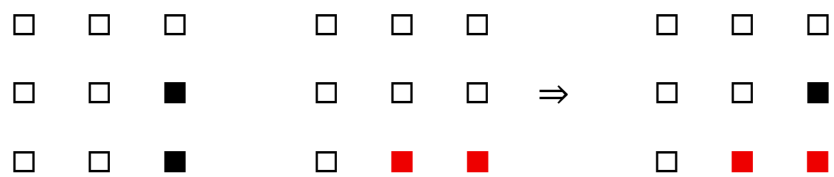
$$\text{TKI} = (1\ 3\ 2\ 3, \ 1\ 2\ 3\ 3)$$



$$\text{TKI} = (2\ 3\ 2\ 3, \ 2\ 2\ 3\ 3)$$

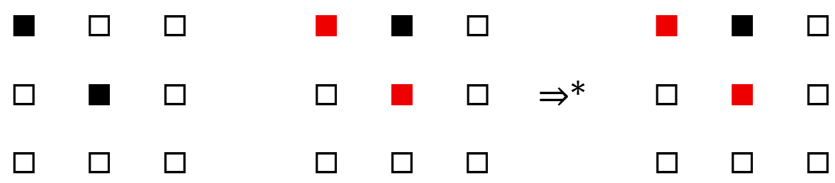


$$\text{TKI} = (3\ 3\ 2\ 3, \ 3\ 2\ 3\ 3)$$

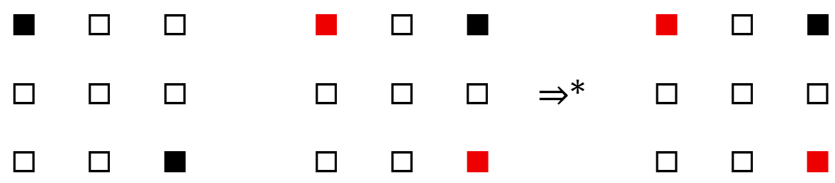


3. Von besonderem Interesse sind die Strukturdiagramme, in denen die Vereinigungsmatrizen nicht-eigentrajektischer und dualer Schemata mit den Dualen koinzidieren. Es gibt ihrer genau 6.

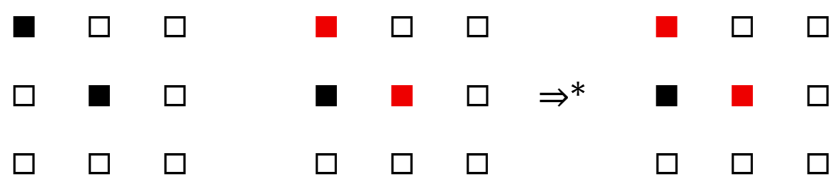
$$\text{TKI} = (1\ 1\ 2\ 2, 1\ 2\ 1\ 2)$$



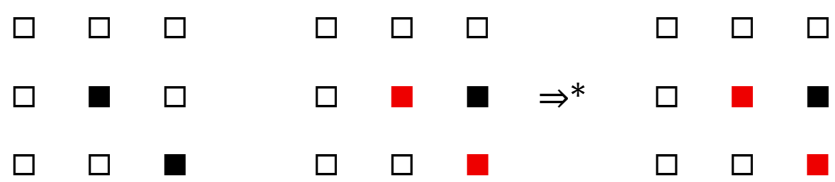
$$\text{TKI} = (1\ 1\ 3\ 3, 1\ 3\ 1\ 3)$$



$$\text{TKI} = (2\ 2\ 1\ 1, 2\ 1\ 2\ 1)$$



$$\text{TKI} = (2\ 2\ 3\ 3, 2\ 3\ 2\ 3)$$



$$\text{TKI} = (3\ 3\ 1\ 1, 3\ 1\ 3\ 1)$$

