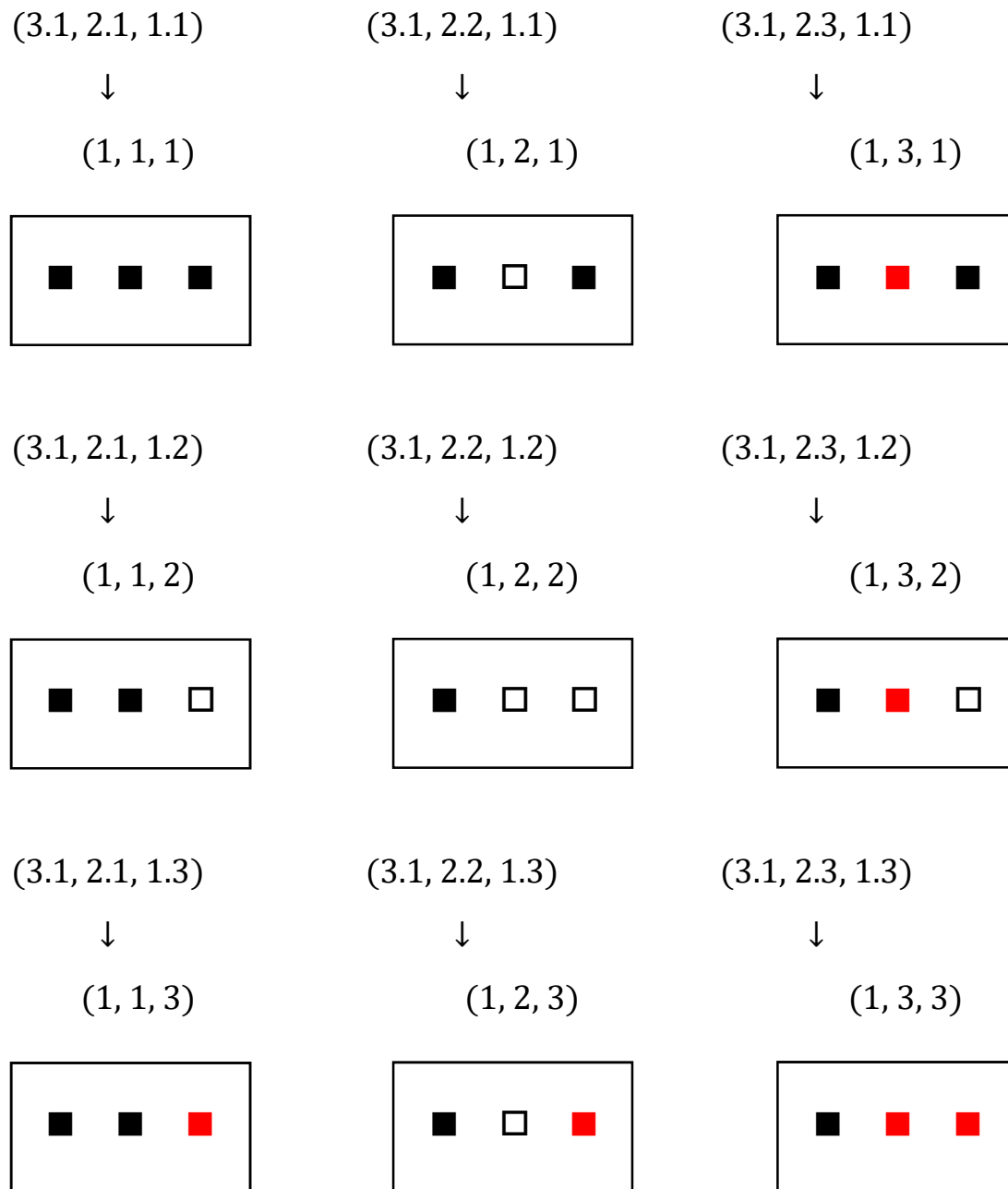


Nachbarschaft von trichotomischen Tripeln in CA

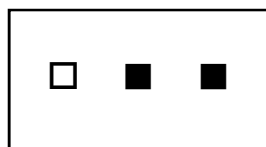
1. Nach unseren Vorarbeiten (vgl. Toth 2018a-e) gibt es doppelt bijektive Abbildungen der $3^3 = 27$ triadisch-trichotomischen Zeichenklassen auf ihre trichotomischen Tripel und ihre zugehörigen CA.



$(3.2, 2.1, 1.1)$



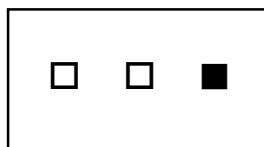
$(2, 1, 1)$



$(3.2, 2.2, 1.1)$



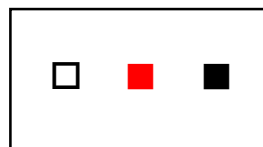
$(2, 2, 1)$



$(3.2, 2.3, 1.1)$



$(2, 3, 1)$



$(3.2, 2.1, 1.2)$



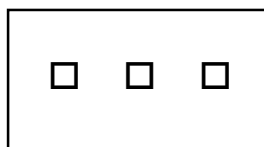
$(2, 1, 2)$



$(3.2, 2.2, 1.2)$



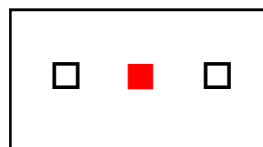
$(2, 2, 2)$



$(3.2, 2.3, 1.2)$



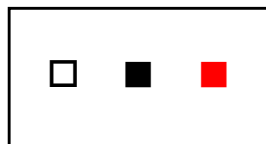
$(2, 3, 2)$



$(3.2, 2.1, 1.3)$



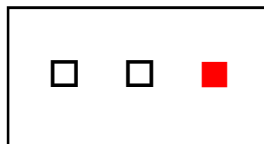
$(2, 1, 3)$



$(3.2, 2.2, 1.3)$



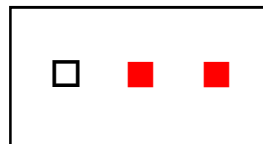
$(2, 2, 3)$



$(3.2, 2.3, 1.3)$



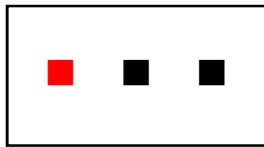
$(2, 3, 3)$



(3.3, 2.1, 1.1)



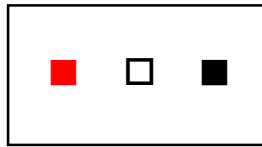
(3, 1, 1)



(3.3, 2.2, 1.1)



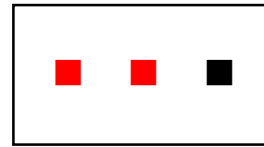
(3, 2, 1)



(3.3, 2.3, 1.1)



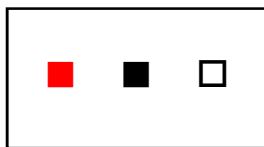
(3, 3, 1)



(3.3, 2.1, 1.2)



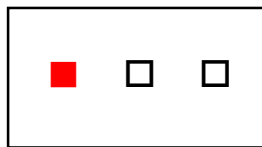
(3, 1, 2)



(3.3, 2.2, 1.2)



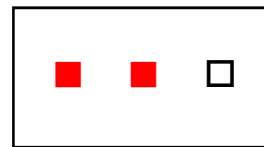
(3, 2, 2)



(3.3, 2.3, 1.2)



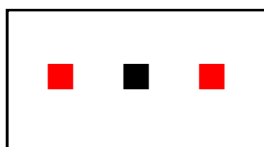
(3, 3, 2)



(3.3, 2.1, 1.3)



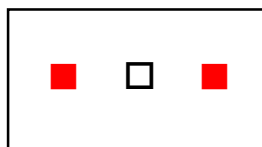
(3, 1, 3)



(3.3, 2.2, 1.3)



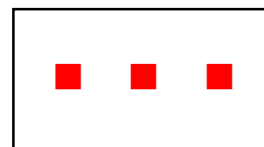
(3, 2, 3)



(3.3, 2.3, 1.3)



(3, 3, 3)



2. Da also für den Nachbarschaftsoperator N gilt

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

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

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

und da für die Peanovorgänger (A) und Nachfolger (S) ebenfalls gilt

$$A(1) = S(1) = (1, 2, 3)$$

$$A(2) = S(2) = (1, 2, 3)$$

$$A(3) = S(3) = (1, 2, 3),$$

koinzidieren in den CA der triadisch-trichotomischen Semiotik also N, A und S.

Literatur

Toth, Alfred, Die triadisch-trichotomischen Zeichenklassen als zelluläre Automaten. In: Electronic Journal for Mathematical Semiotics, 2018a

Toth, Alfred, Die Morphosphäre der vollständigen triadisch-trichotomischen Semiotik. In: Electronic Journal for Mathematical Semiotics, 2018b

Toth, Alfred, Semiotische TCA-Quadrupel aus CA-Tripeln. In: Electronic Journal for Mathematical Semiotics, 2018c

Toth, Alfred, Die Semiotik als dynamisches System. In: Electronic Journal for Mathematical Semiotics, 2018d

Toth, Alfred, Semiotische Ordnung und Nachbarschaft. In: Electronic Journal for Mathematical Semiotics, 2018e

13.12.2018