Prof. Dr. Alfred Toth

Ortsfunktionale semiotische Automaten

1. Im Anschluß an Toth (2019) werden im folgenden explizite ortsfunktionale statt zentralitätstheoretische Automaten konstruiert. Es wird ausgegangen von der raumsemiotischen Relation

B = (Sys, Abb, Rep),

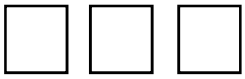
deren Teilrelationen iconisch fungierende Systeme, indexikalisch fungierende Abbildungen und symbolisch fungierende Repertoires sind (vgl. Bense/Walther 1973, S. 80). Es sei folgende Farbkodierung für den Anfangszustand der semiotischen Automaten S vereinbart.

:= Sys

:= Abb

:= Rep

Der Anfangszustand $A = (A_1, A_2, A_3)$ ist demnach wie folgt definiert



Adj Subj Transj,

d.h. es gilt

$A_i = f(Q)$.

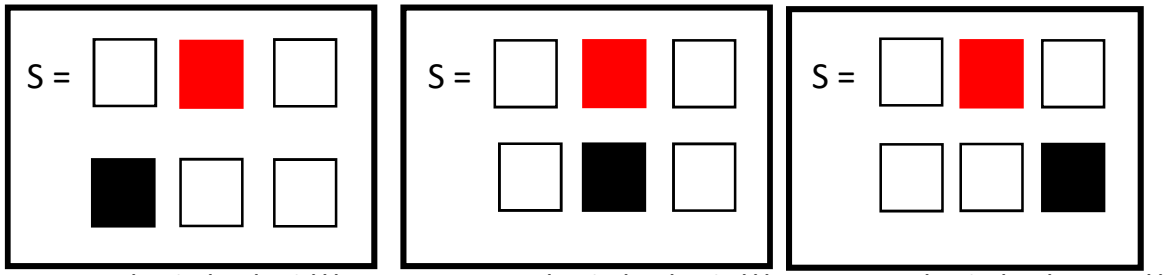
Für den Endzustand der S sei vereinbart:

:= Ex

:= Ad

:= In

Natürlich läßt sich für jeden Zustand, die eine Maschine S annehmen kann, ein ontisches Modell finden. Als Beispiel stehe das folgende Tripel von Automaten:

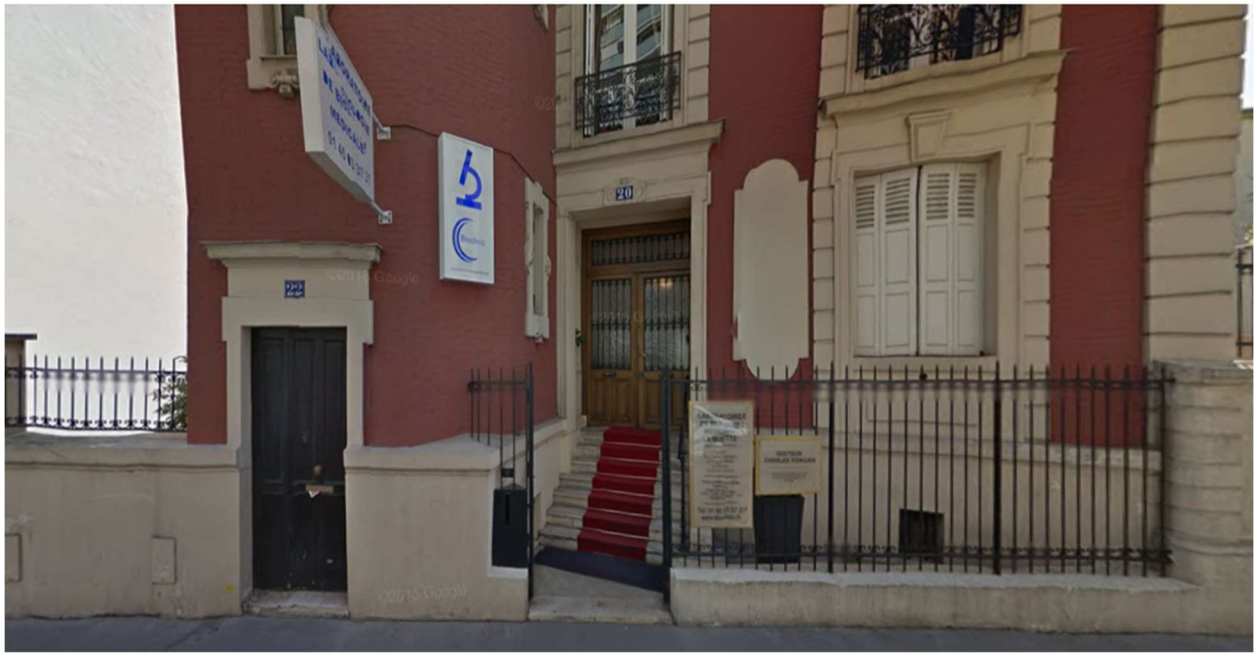


Sys(Subj(Ex(Adj))) Sys(Subj(Ex(Subj))) Sys(Subj(Ex(Transj))

Ontische Modelle sind z.B. (die Folge der Bilder steht für die obigen Maschinen, von links nach rechts betrachtet):

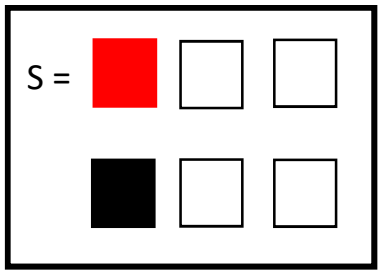
Rue d'Aix, Paris

Rue Saint-Honoré, Paris

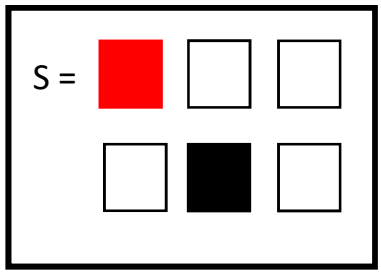


Rue de la Pompe, Paris

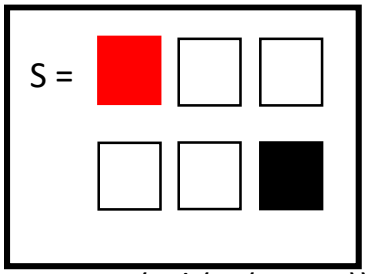
2. Da 3 Anfangszustände und 3 Endzustände unterschieden werden können, ergeben sich 3^3 = 27 semiotische Maschinen je raumsemiotische Kategorie. Wir beschränken uns auf die Darstellung der Systeme.



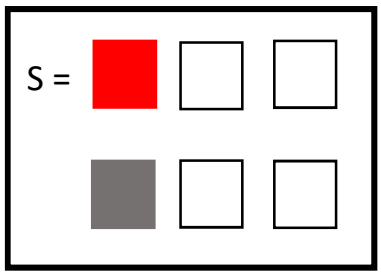
Sys(Adj(Ex(Adj)))



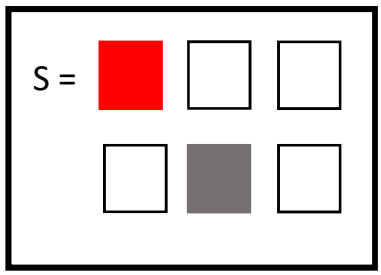
Sys(Adj(Ex(Subj)))



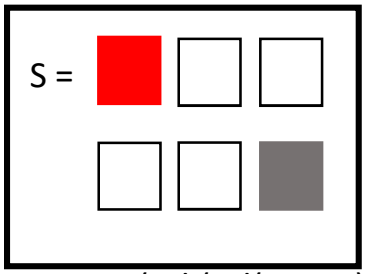
Sys(Adj(Ex(Transj)))



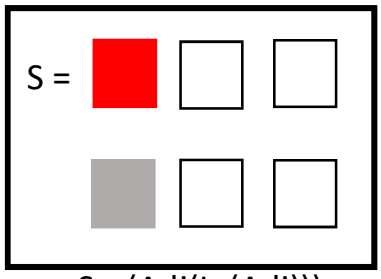
Sys(Adj(Ad(Adj)))



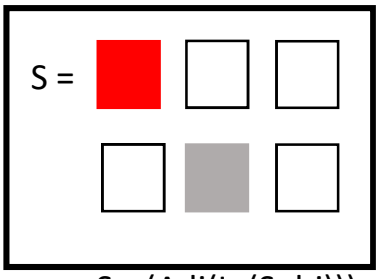
Sys(Adj(Ad(Subj)))



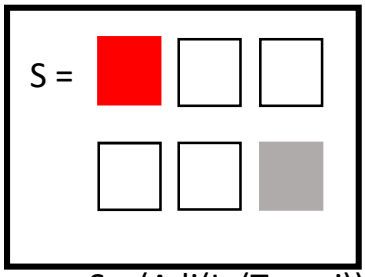
Sys(Adj(Ad(Transj)))



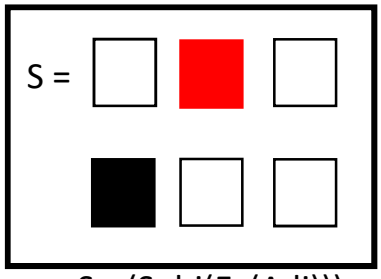
Sys(Adj(In(Adj)))



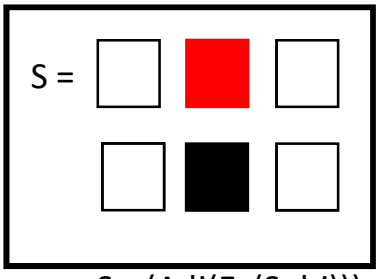
Sys(Adj(In(Subj)))



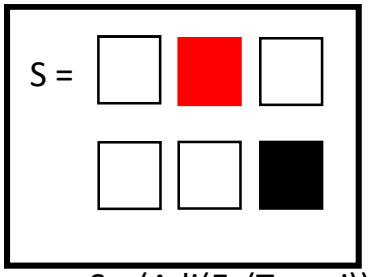
Sys(Adj(In(Transj)))



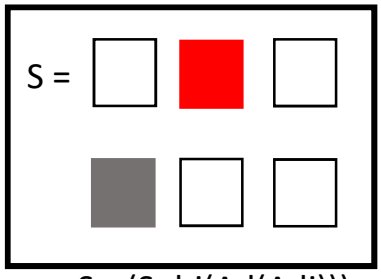
Sys(Subj(Ex(Adj)))



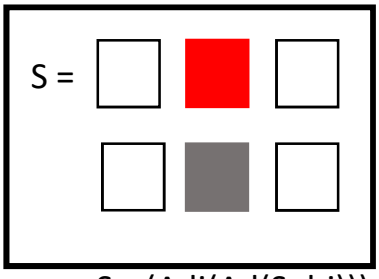
Sys(Adj(Ex(Subj)))



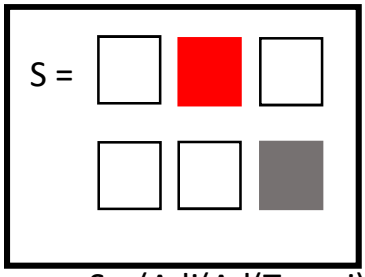
Sys(Adj(Ex(Transj)))



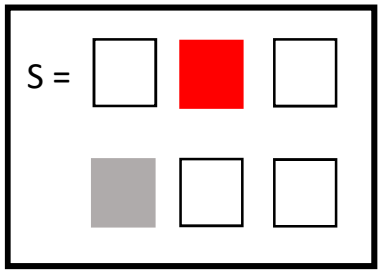
Sys(Subj(Ad(Adj)))



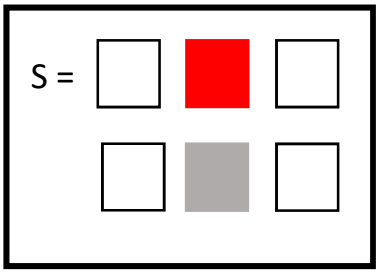
Sys(Adj(Ad(Subj)))



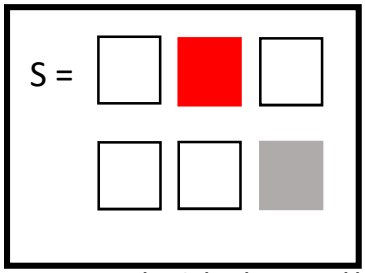
Sys(Adj(Ad(Transj)))



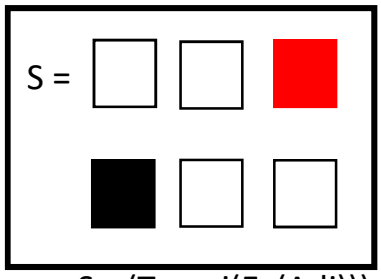
Sys(Subj(In(Adj)))



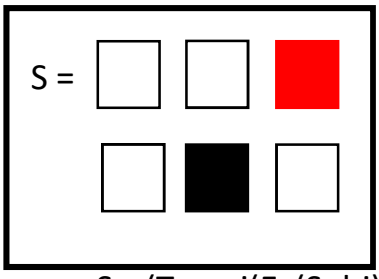
Sys(Adj(In(Subj)))



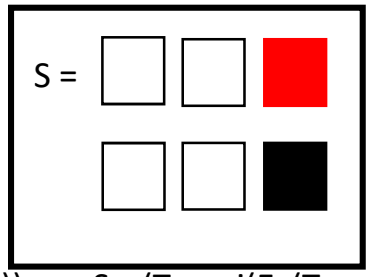
Sys(Adj(In(Transj)))



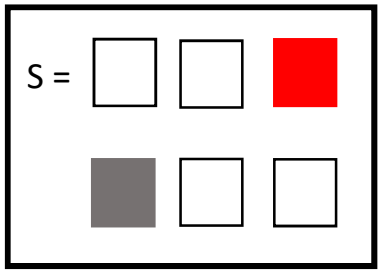
Sys(Transj(Ex(Adj)))



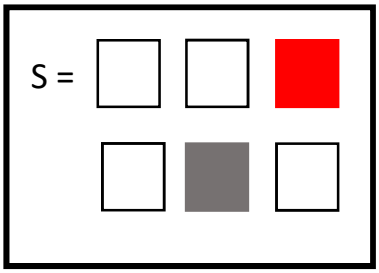
Sys(Transj(Ex(Subj)))



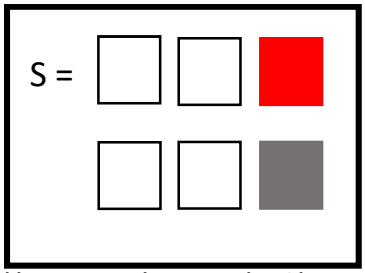
Sys(Transj(Ex(Transj)))



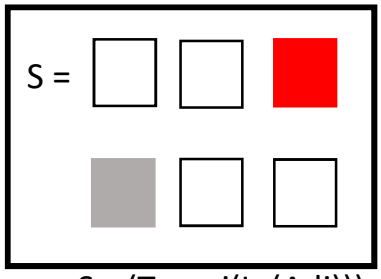
Sys(Transj(Ad(Adj)))



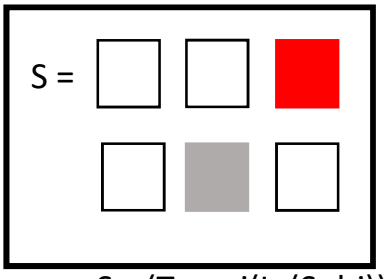
Sys(Transj(Ad(Subj)))



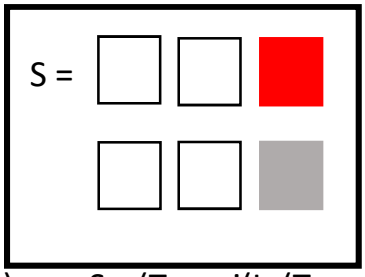
Sys(Transj(Ad(Transj)))



Sys(Transj(In(Adj)))



Sys(Transj(In(Subj)))



Sys(Transj(In(Transj)))

Literatur

Bense, Max/Walther, Elisabeth, Wörterbuch der Semiotik. Köln 1973

Toth, Alfred, Zentralitätstheoretische semiotische Automaten 1-12. In: Electronic Journal for Mathematical Semiotics, 2019

9.1.2020