Structural-Morphism System Property: $_{atis}$Endomorphismness

(Structural-morphism system properties are those properties that are part of the theory and define the mapping-relatedness of object-set components.)

Endomorphismness, $\mathcal{E}$, $=_{Df}$ System components whose connections are transformed so that a different system state is obtained while maintaining the same components.

$$\mathcal{E} =_{df} \mathcal{M}(\mathbb{S}_{1:\ t(1)},\mathbb{S}_{1:\ t(2)}) \mid \sigma(\mathbb{S}_{1:\ t(1)}(\mathcal{S}),\mathbb{S}_{1:\ t(2)}(\mathcal{S})) \supset \sim(\mathbb{S}_{1:\ t(1)}(\mathcal{S}) \equiv \mathbb{S}_{1:\ t(2}(\mathcal{S}))$$

Endomorphismness is defined as a measure of the same system at two different times; such that, there is a system transmission function from the system state at time t_1 to the system state at time t_2, implies the system states at the two times are not equivalent.

Endomorphism is a homomorphism that has a domain the same as its codomain, f:A→A.

The following homomorphism, $f_{endo}:\mathcal{T} \to \mathcal{T}$, defines an *endomorphism*: