

Dynamic System Property: *atis* **Degenerationness**

(Dynamic system properties are those properties that are part of the theory and describe patterns in time as change occurs within a system or between a system and its negasystem.)

Degenerationness, $\mathcal{D}(\mathcal{S})$, =_{df} a decrease over time of a system object-set or relation-set.

$$\mathcal{D}(\mathcal{S}) =_{df} \mathcal{M}(\mathcal{S}_o) \vee \mathcal{M}(\mathcal{S}_\phi) \mid \mathcal{M}(\mathcal{S}_{o: t(1)}) > \mathcal{M}(\mathcal{S}_{o: t(2)}) \cdot \vee \cdot \mathcal{M}(\mathcal{S}_{\phi: t1}) > \mathcal{M}(\mathcal{S}_{\phi: t2})$$

Degenerationness is a measure of an object-set or relation-set; such that, the measure of the object-set at time t_1 is greater than the measure of the object-set at time t_2 , or the measure of the relation-set at time t_1 is greater than the measure of the relation-set at time t_2 .