

Dynamic System Property: *atis* **Growthness**

(*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.)

Growthness, $\mathcal{G}(\mathfrak{S})$, =_{df} an increase over time of a system object-set or relation-set.

$$\mathcal{G}(\mathfrak{S}) =_{df} \mathcal{M}(\mathfrak{S}_o) \vee \mathcal{M}(\mathfrak{S}_\phi) \mid \mathcal{M}(\mathfrak{S}_{o: t(1)}) < \mathcal{M}(\mathfrak{S}_{o: t(2)}) \cdot \vee \cdot \mathcal{M}(\mathfrak{S}_{\phi: t(1)}) < \mathcal{M}(\mathfrak{S}_{\phi: t(2)})$$

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