

## Dynamic System Property: *atis*Spillageness

(*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.)

**Spillageness**,  $\mathcal{S}(\mathfrak{S})$ , =<sub>df</sub> feedin that is blocked by the feedin system-capacity-control qualifier of filtration or feedout system-capacity-control qualifier of regulation.

$$\mathcal{S}(\mathfrak{S}) =_{df} \{x \mid \text{capacity } \mathcal{L}_C\langle \mathcal{F}_x(\mathfrak{S}) \rangle = \mathbf{T} \vee \text{capacity } \mathcal{L}_C\langle \mathcal{R}_x(\mathfrak{S}) \rangle = \mathbf{T}\}$$

**Spillageness** is defined as a set of components such that; x satisfies the predicate that defines the system-capacity-control qualifier of filtration or the system-capacity-control qualifier of regulation.

A chart explaining **spillage** is shown on the next page.

