

Basic System Property: *atis*Complexness

(Basic system properties are those properties that are part of the theory and are descriptive of every system. There are only two basic properties—Complexness and Sizeness.)

Complexness, $\mathcal{M}_x(\mathcal{S})$, =_{df} a measure of a *partition*, $\mathcal{Y} = (\mathcal{V} \subset \mathcal{G}_0, \mathcal{R} \subset \mathcal{G}_x)$, characterized by the number of affect-relations.

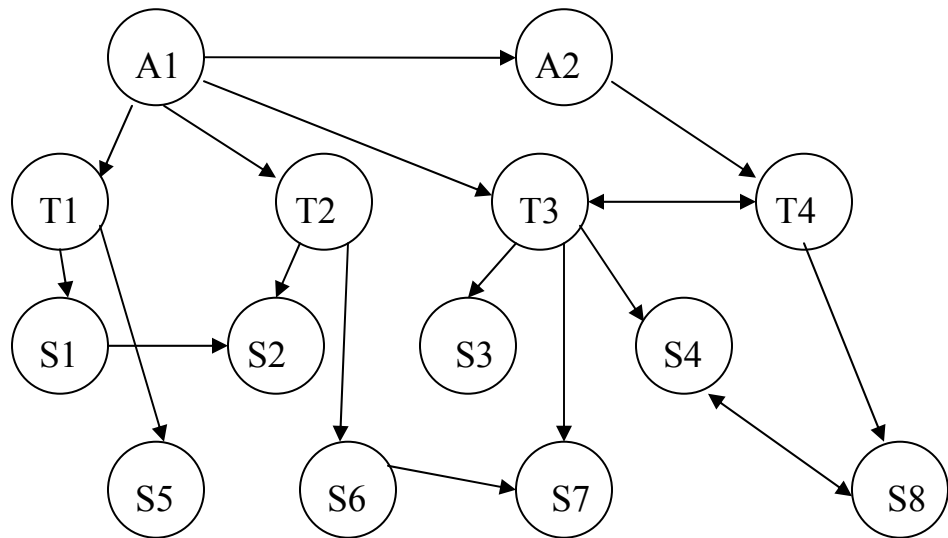
$$\mathcal{M}_x(\mathcal{S}) =_{df} |\mathcal{Y}(\mathcal{R})|$$

Complexity in a School System

Administrators:

Teachers:

Students:



Affect Relation: Controls Activities of
Complexity is the cardinality of the affect-relation set, and Size is the cardinality of the component set.

Therefore: $\mathcal{M}_x(\mathcal{S}) = 19.00$.