Basic System Property: \( \textit{atisComplexness} \)

(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, \( \chi \mathcal{S} \), = \( \text{df} \) a measure of a partition, \( \mathcal{Y} = (V \subseteq \mathcal{G}_0, R \subseteq \mathcal{G}_X) \), characterized by the number of affect-relations.

\[
\mathcal{M}(\chi \mathcal{S}) = \text{df} |\mathcal{Y}(R)|
\]

**Complexity in a School System**

**Administrators:**

A1 \( \rightarrow \) A2

**Teachers:**

T1 \( \rightarrow \) T2

T3 \( \rightarrow \) T4

**Students:**

S1 \( \rightarrow \) S2

S3 \( \rightarrow \) S4

S5 \( \rightarrow \) S6

S7 \( \rightarrow \) S8

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

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