## Structural System Property: atisFlexibleness

(Structural system properties are those properties that are part of the theory and describe patterns of system and negasystem connectedness. The structural properties define the topology of the system, and every affect relation defines a topology on the system.)

Flexibleness, ${ }_{F} \mathcal{S}^{\prime}=_{\text {df }}$ a partition, $\mathscr{Y}=\left(V \subset \mathcal{G}_{0}, \mathcal{R} \subset \mathcal{G}_{\mathfrak{R}}\right)$, characterized by components with receivingor terminating-degree greater than 1 .
$\mathcal{M}$ : Flexibleness measure, $\mathcal{M}_{\left.\mathrm{F}_{\mathrm{F}} \S\right),}=_{\mathrm{Df}}$ a measure of the degree of receiving- or terminatingcomponents that have degree greater than 1 .

$$
\left.\mathcal{M}_{\mathrm{F}} \mathrm{~F}^{\delta}\right)={ }_{\mathrm{df}}\left\{\left[\sum_{\mathrm{i}=1, \ldots, \mathrm{n}}\left(\prod_{\mathrm{j}=1, \ldots, \mathrm{~m}}\left(\left|\mathrm{~d}_{\mathrm{L}}(\mathrm{v})+\mathrm{d}_{T}(\mathrm{v})\right|_{\mathrm{j}} \mid \mathrm{d}(\mathrm{v})>1\right)_{\mathrm{i}}\right] \div \mathbf{C}\right\} \times 100\right.
$$

## Flexibleness in a School System

## Administrators:

## Teachers:



## Affect Relation: Controls Activities of

In this system, there are 6 components that are accessed by other components with respect to Control Activities of other components with respect to Flexibleness. Since there are 14 components, then the total possible affect relation paths is $\boldsymbol{P}\left[Z\left(\varsigma_{0}\right)\right]=236,975,181,590$; and therefore, $\log _{2}\left(\boldsymbol{P}\left[Z\left(\Phi_{0}\right)\right]\right) \approx 37$. The value is determined by finding the product of the degrees of each component that has 2 or more receiving affect relations. In this case the product is 64 , and the $\log _{2}(64)=6$. There are 6 paths related to Flexibleness.

Therefore: $\mathcal{M}\left({ }_{F} \varsigma\right) \approx 15.88$.

