Graph-Theoretic Property: atis Wholly Connected Components Set

(*Graph-theoretic properties* are those properties that are part of the meta-theory and have been abducted from graph theory to be used as a tool to provide solutions concerning the theory. Those solutions may be assigned as values to components or relations of the theory and thereby become part of the theory.)

Wholly-connected components set, $_{W}$ \mathcal{O} , $=_{df}$ a set of components that are path-connected to all other components.

Wholly-connected components set is a set of components, x; such that, the components, x, are in a subset of the object-set, and for all distinct components, y, of the subset, (x,y) are path-connected.

The following diagram depicts a *Wholly-Connected Components Set*.

