

Graph-Theoretic Property: *atis* Terminating Elements

(*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.)

Terminating elements, \mathcal{E} , =_{df} Elements that have path-connections them but do not have any emanating from them.

$$\mathcal{E}, =_{df} \{y \mid \forall x [(x,y) \in_{pc} \mathcal{E} \wedge \forall u (y,u) \notin_{pc} \mathcal{E}]\}$$

Terminating elements are defined as a set of elements such that the elements are path-connected to the set element and there are no path-connections from that element.