

## Graph-Theoretic Property: *atis* **Unilaterally Connected 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.)

**Unilaterally connected elements**,  ${}_{uc}E$ , =<sub>df</sub> Elements that are path-connected in only one direction

$${}_{uc}E, =_{df} \{(x,y) \mid \forall (x,y)[(x,y) \in {}_{pc}E \wedge (y,x) \notin {}_{pc}E]\}$$

**Unilaterally connected elements** are defined as a set of ordered pairs such that the elements are path-connected from the first element to the second, but not reversed.