Graph-Theoretic Property: \( \text{atisUnilaterallyConnectedElements} \)

(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, \( \text{uc} \ E \), = df Elements that are path-connected in only one direction

\[
\text{uc} \ E = \text{df} \ \{(x,y) \mid \forall (x,y)(x,y) \in \text{pc} \ E \land (y,x) \notin \text{pc} \ E\}
\]

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.