

$\text{NodesOf}(R) = \{r[1] : r \in R\} \cup \{r[2] : r \in R\}$

□

$\text{PathsOfLen}(R, j) = \{p \in [1..j \rightarrow \text{NodesOf}(R)] :$

$\forall i \in 1..(j-1) : \langle p[i], p[i+1] \rangle \in R\}$

□

$\text{ShortPaths}(R) = \text{UNION} \{ \text{PathsOfLen}(R, j) : j \in 2.. \text{Cardinality}(\text{NodesOf}(R)) \}$

□

$\text{TC}(R) = \{ \langle p[1], p[\text{Len}(p)] \rangle : p \in \text{ShortPaths}(R) \}$

CLOSE