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

PathsOfLen(R, j) == {p \in [1..j -> NodesOf(R)] :
                     \A i \in 1..(j-1) : <<p[i], p[i+1]>> \in R}

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

TC(R) == {<<p[1], p[Len(p)]>> : p \in ShortPaths(R)}
```

CLOSE