```
TRANSITIVE-CLOSURE (G, n)
     let T^{(0)} = (t_{ij}^{(0)}) be a new n \times n matrix
     for i = 1 to n
            for j = 1 to n
                  if i == j or (i, j) \in G.E
                 t_{ij}^{(0)} = 1 else t_{ij}^{(0)} = 0
     for k = 1 to n
            let T^{(k)} = (t_{ii}^{(k)}) be a new n \times n matrix
            for i = 1 to n
                  for j = 1 to n
10
                        t_{ii}^{(k)} = t_{ii}^{(k-1)} \vee (t_{ik}^{(k-1)} \wedge t_{ki}^{(k-1)})
```