

## Algorithmus von Warshall

```
for i ← 0 to n - 1 do
  for j ← 0 to n - 1 do
     $W_{ij}^{[0]} \leftarrow \begin{cases} 1 & \text{falls } i = j \\ A_{ij} & \text{falls } i \neq j \end{cases}$ 
  od
od

for k ← 0 to n - 1 do
  for i ← 0 to n - 1 do
    for j ← 0 to n - 1 do
       $W_{ij}^{[k+1]} \leftarrow \max(W_{ij}^{[k]}, W_{ik}^{[k]} \cdot W_{kj}^{[k]})$ 
    od
  od
od
```

Wie schnell ist das  
ganze?