



# Standard algorithm

```
for  $i \leftarrow 1$  to  $n$ 
  do for  $j \leftarrow 1$  to  $n$ 
    do  $c_{ij} \leftarrow 0$ 
      for  $k \leftarrow 1$  to  $n$ 
        do  $c_{ij} \leftarrow c_{ij} + a_{ik} \cdot b_{kj}$ 
```