

MATRIX-MULTIPLY(A, B, C, n)

```
1  for  $i = 1$  to  $n$            // compute entries in each of  $n$  rows
2      for  $j = 1$  to  $n$        // compute  $n$  entries in row  $i$ 
3          for  $k = 1$  to  $n$ 
4               $c_{ij} = c_{ij} + a_{ik} \cdot b_{kj}$  // add in another term of equation (4.1)
```