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 one more term of equation (4.1)