Daniel Mærsk Pedersen

(1)

      (a)

Counter variable i gets incremented with each next iteration of the loop. The loop body runs with the first iteration where, f gets multiplied by i.

For fact(5), this results in:

+	-	*	/
5	0	5	0

      (b)

The number of iterations is determined by n, with the condition $i \leq n$. As described in (a), with each iteration one addition (+) operation and one multiplication (*) operation is performed:

+	-	*	/
n	0	n	0

(2)