

Programming week 8, Alexander Bjerno

1)

a) Use + 4 times on the counter i

Use \* 5 times between the counter i and factorial variable f

So 9 arithmetic operations are used to calculate fact(5)

b) Since the counter needs to go up  $n-1$  times to reach  $n$  and there will always be  $n$  multiplications

So there will always be  $n-1 + n$  operations to calculate fact( $n$ )

3)

Min cmake stoppe med at virke så er ikke sikker på om det er korrekt