https://github.com/Aarhus-University-ECE/assignment-8-Losmobilos3

I've converted the main.cpp file to main.c, since cmake won't work on my mac, when it's a C++ file

1. a)

Since we only do two arithmetic operations in the for loop, the amount of arithmetic operations needed to compute fact(5) wil be:

$$2 \cdot n = 2 \cdot 5 = 10$$

To calculate fact(5), we need to do 10 arithmetic operations.

b)

As formerly mentioned, to calculate fact(n), we need to perform $2 \cdot n$ arithmetic operations.