

Assignment 8

Exercise 1

a)

By counting the arithmetic operations, we find that inside the for-loop there is an operation for incrementing i and one for multiplying f . As we run this loop 5 times, we find that there are:

$$5 \cdot 2 = 10$$

b)

We can find the general equation for the factorial by taking the two operations for each loop and multiplying it by n times. The equation will therefore be:

$$2 \cdot n$$