fact (num-1, factorial * num);

f(0)
f(1)
f(2)
f(3)
f(4)
f(5)

f(5) → f(4) → f(3) → f(2) → f(1)

fact (5,1) {
if (x)
fact (5-1, factorial * num)

5*1

fact (4, 5*1) {
if (x)
fact (3, factorial * num)

5*4

fact (3, 20) {
if (x)
fact (3-1, factorial * num)

20*3

fact (2, 60) {
fact (2-1, factorial * num)

60*2

fact (1, 120) {
if (num == 0 || num == 1)
SOP (factorial)
return
}

Fact (num-1, factorial * num);

2) main() {
factorial = 1;
SOP (facto(num, factorial));
}
int facto (int num, int factorial) {
if (num == 0 || num == 1) {
return factorial; }

return facto (num-1, factorial * num)