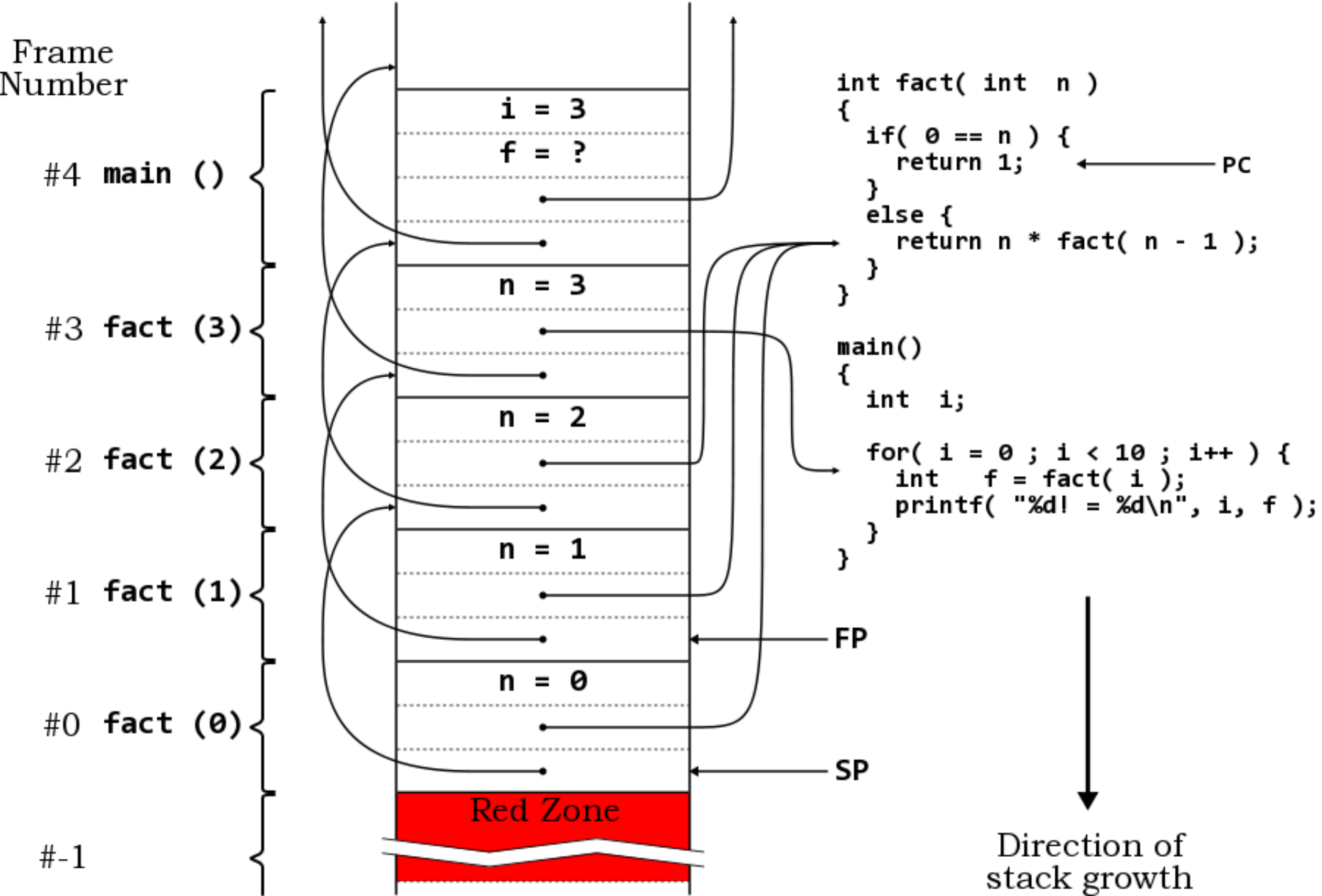
Frame Number
#4 main ()
#3 fact (3)
#2 fact (2)
#1 fact (1)
#0 fact (0)
#-1
i = 3
f = ?
n = 3
n = 2
n = 1
n = 0
Red Zone
FP
SP
int fact(int n)
{
if(0 == n) {
return 1;
}
else {
return n * fact(n - 1);
}
}
main()
{
int i;
for(i = 0 ; i < 10 ; i++) {
int f = fact(i);
printf("%d! = %d\n", i, f);
}
}
PC
Direction of stack growth