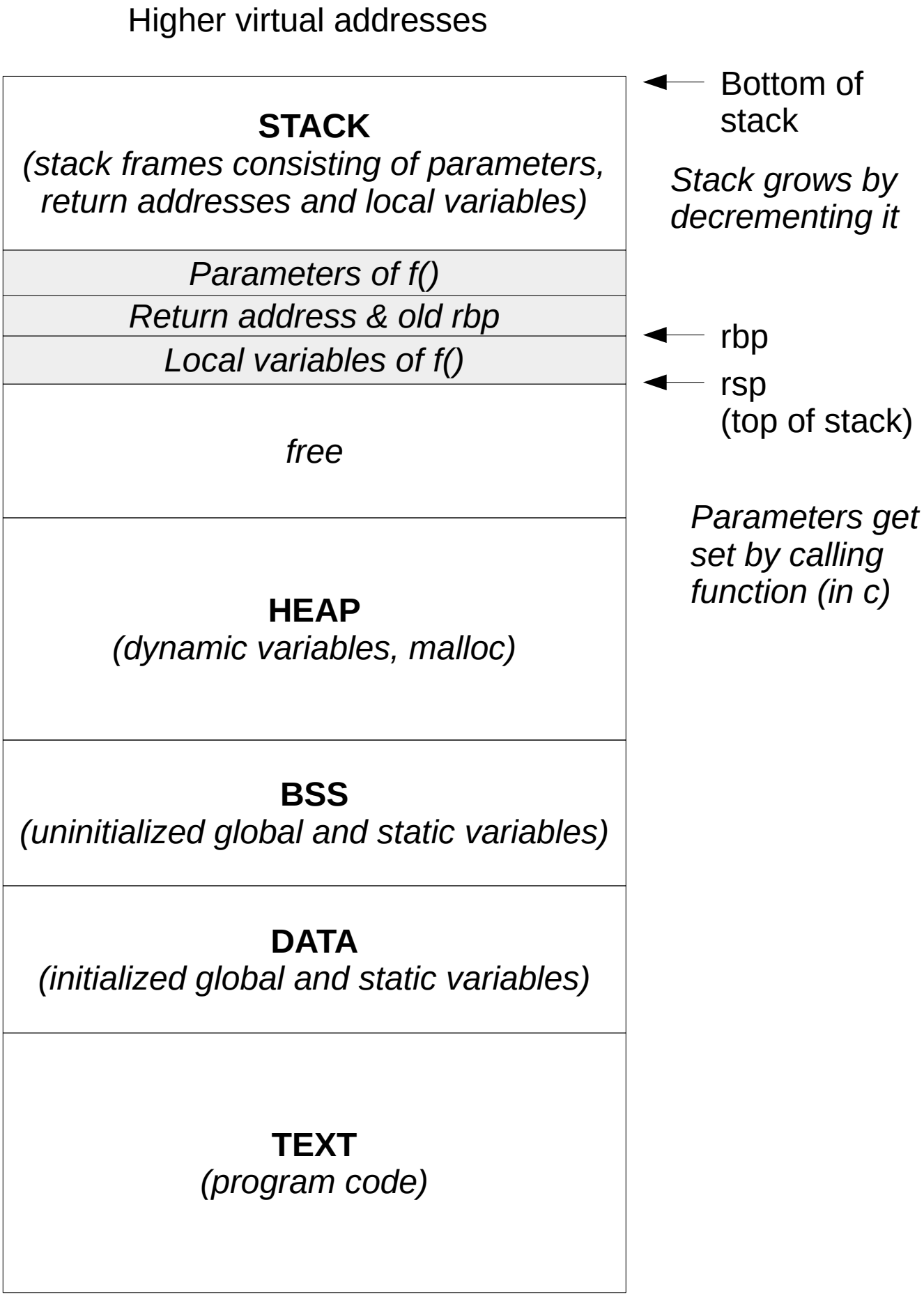
Higher virtual addresses
STACK
(stack frames consisting of parameters, return addresses and local variables)
Parameters of f()
Return address & old rbp
Local variables of f()
free
HEAP
(dynamic variables, malloc)
BSS
(uninitialized global and static variables)
DATA
(initialized global and static variables)
TEXT
(program code)
Lower virtual addresses
Bottom of stack
Stack grows by decrementing it
rbp
rsp
(top of stack)
Parameters get set by calling function (in c)