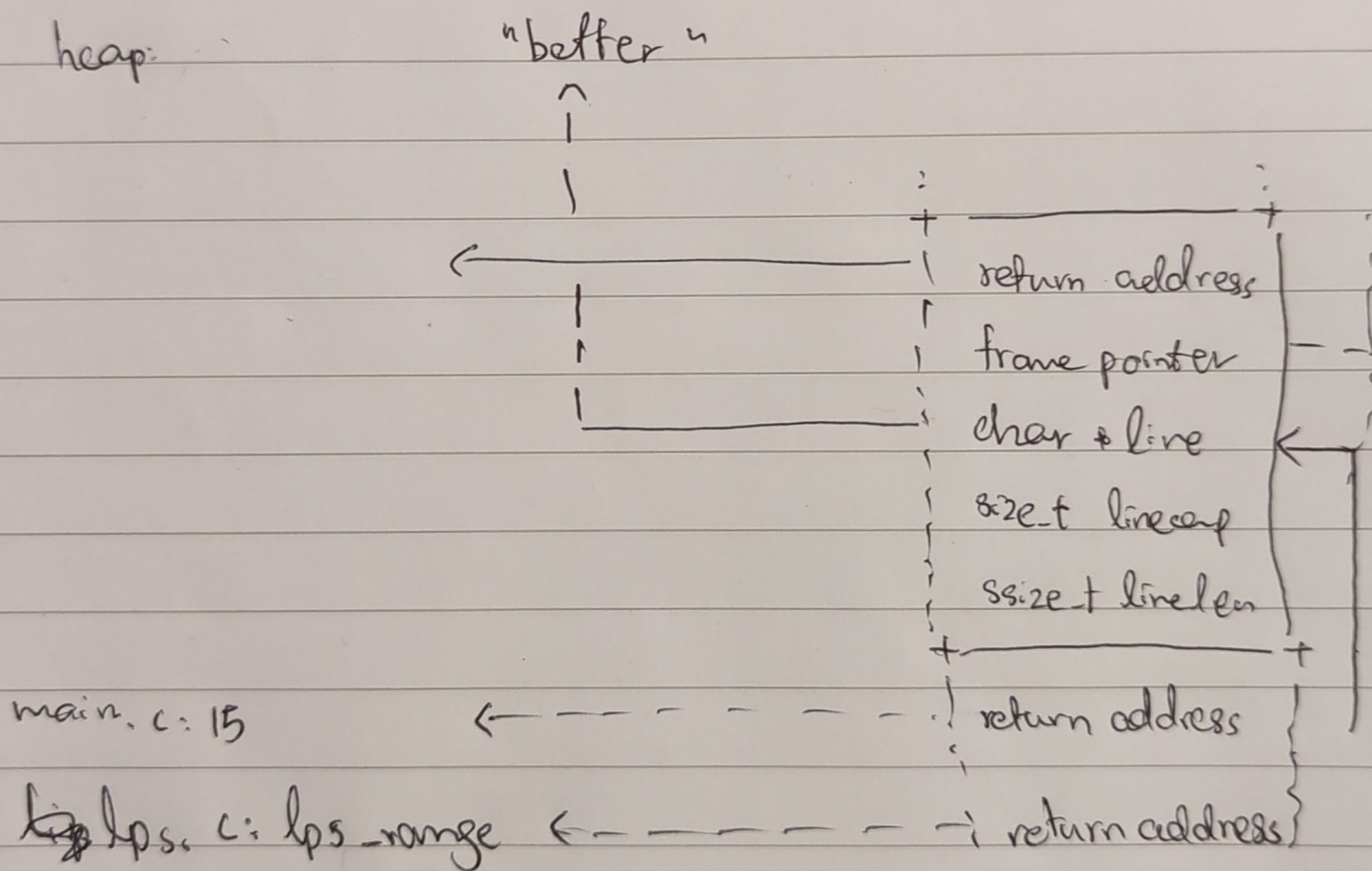


Problem 3

When the recursion producing the right solution hits the innermost base case, the call stack will contain multiple stack frames corresponding to the recursive calls. As the innermost base case is reached, the recursion unwinds and the function calls start returning their values & the stack frames are popped off the stack.



The stack call contains two frames: "main" function stack frame, which is the current frame & has the pointer pointing to the and "lps_range" function stack frame where the recursion hits the innermost base case.

This frame contains a return address pointing to the line where the recursion call was made in "lps_range".