

- A. Identify which local values get stored in callee-saved registers.**  
local value: x, x+1, x+2, x+3, x+4, x+5
- B. Identify which local values get stored on the stack.**  
local value: x+6, x+7
- C. Explain why the program could not store all of the local values in callee-saved registers.**  
Because only registers %rbx, %rbp and %r12-%r15 are callee-saved registers.