A. In light of analysis done in Practice Proble 4.8, does this code sequence correctly describe the behavior of the instruction `popq %rsp`? Explain. No, `popq %rsp` will set the %rsp register with the value at the top of the stack.

B. How could you rewrite the code sequence so that it correctly describes both the cases where REG is %rsp as well as other register?
```
addq $8, %rsp
movq 8(%rsp), REG
```