

- A.** In light of analysis done in Practice Problem 4.7, does this code sequence correctly describe the behavior of the instruction `pushq %rsp`? Explain.
No, `pushq %rsp` will store the value in `%rsp` before decrement. But this code will store the value in `%rsp` after decrement.
- B.** How could you rewrite the code sequence so that it correctly describes both the cases where `REG` is `%rsp` as well as any other register?
- ```
movq REG, -8(%rsp)
subq $8, %rsp
```