

Friday, February 19

Name _____

Email _____

6.035 Spring 2016

Miniquiz #12

5 minutes

1. Why might one choose the left snippet of x86 assembly code over the right?

movq \$0, -8(%rbp) cmpl \$2, -20(%rbp) jne .L2 movq -32(%rbp), %rax addq \$8, %rax movq %rax, -8(%rbp) jmp .L3	.L2: movq -32(%rbp), %rax addq \$16, %rax movq %rax, -8(%rbp)	movq \$0, -8(%rbp) cmpl \$2, -20(%rbp) je .L2 movq -32(%rbp), %rax addq \$16, %rax movq %rax, -8(%rbp) jmp .L3	.L2: movq -32(%rbp), %rax addq \$8, %rax movq %rax, -8(%rbp)	.L3: movq -8(%rbp), %rax
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