

CS 224 HW 3.5

Beric  
Bauer

| 0 SF 0 2F 1 0 F 0

b. rax: c rdx: ffffffff rcf: 0  
 rsi: 4 rdi: 0 rbx: 0  
 rsp: 100 r8: 1 r10: 0

c. 0x0027

d. loop checks if rdi and rsi is positive.  
 0x3, 0x4 are the inputs.  
 rax: c is the output. 12

if rdi & rsi are positive then  
 multiplies them together.

else rax = 0.

e. 30F0050000000000  
 000030F009000000  
 0000000061026220  
 00

~~f. irmovq \$3, %rdx  
 nop  
 irmovq \$1, %rcx  
 addq %rdx, %rax  
 subq %rcx, %rdx  
 jg label~~

irmovq \$3, %rdx

nop

irmovq \$1, %rcx

Label

addq %rdx, %rax

subq %rcx, %rdx

Jg Label

rax = 6