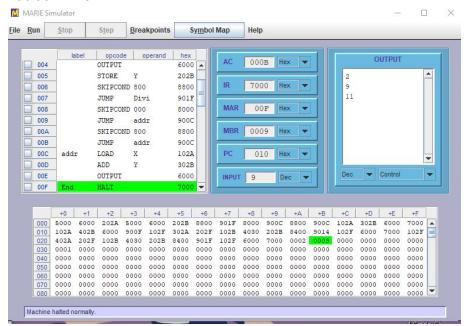
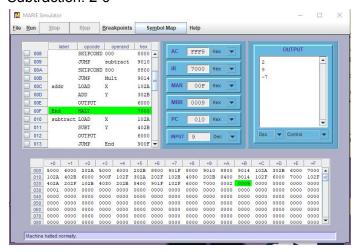
Kenny Pham 12/9/20

Computer Organization and Architecture Section 07

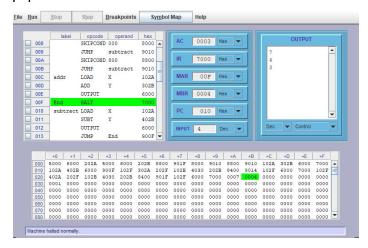
Addition: 2+9



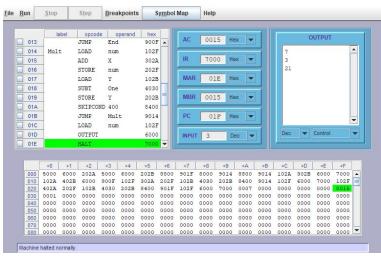
Subtraction: 2-9

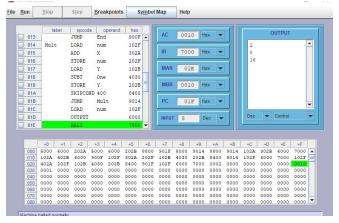


7-4

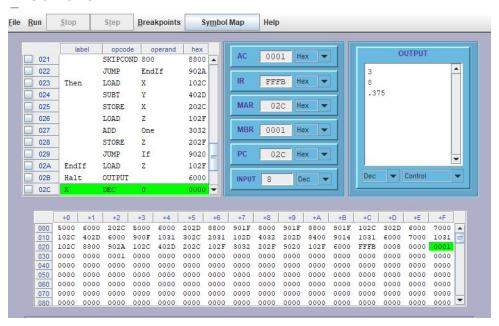


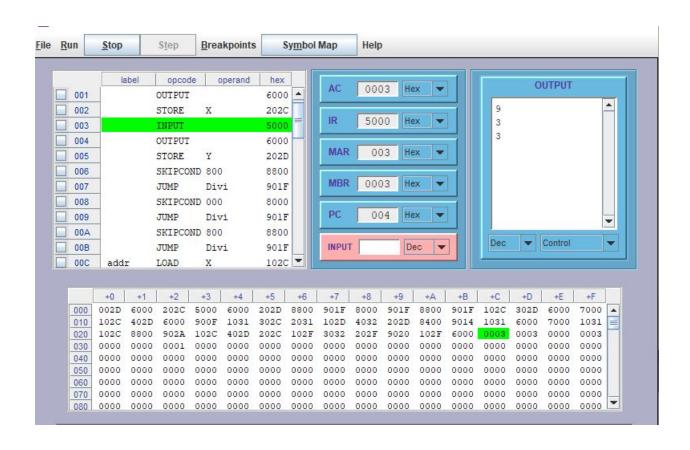
Multiplication: 7x3



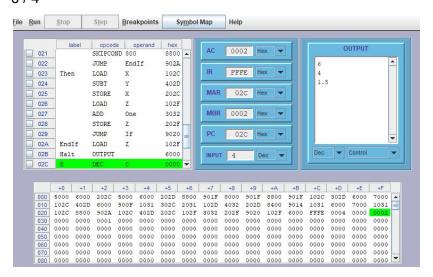


Division: 3 / 8





6/4



Code: Input

output Store X

input output Store Y

Skipcond 800 // = 0 Jump Mult

Skipcond 000 // <0 Jump Divi

Skipcond 800 // >0
Jump Subtract

addr, Load X Add Y Output End, Halt

subtract, load X subt Y output jump End

Mult, Load num add X
Store num
Load Y
Subt One
Store Y
skipcond 400
jump Mult
Load num
Output
Halt

Divi, Load num

If, Load X

Skipcond 800

Jump EndIf

Then, Load X

Subt Y

Store X

Load Z

Add One

Store Z

Jump If

EndIf, Load Z

Halt, Output

X, DEC 0

Y, DEC 0

A, DEC 0

Z, DEC 0

T, DEC 0

num, Dec 0

One, Dec 1