LAB #3 Flow Chart

Read in a string and convert it into a two"s complement binary integer and then print out the binary representation.

Start

int = 0, flag = 0

GETC

in == LF ? — no → in == - ? — no → digit = char - 48 → int = int*10 + digit

flag = 1 (yes)

yes

flag = 1? — yes → int = !int → int = int + 1

no

MASK   .FILL b1000000000000000
        .FILL b0100000000000000
        .FILL b0001000000000000
        ....

MASKptr = 1st mask address, count = 15

count < 0? — no → Load MASK → digit = int AND mask

yes

End

digit == 0? — yes → print "0"

no

print "1" → Mask ptr = Maskptr +1 count -= 1