LAB #3 Flow Chart

Start

int = 0
flag = 0

GETC

flag = 1

is char == LF

no

is char == "-

no
digit = char - 48

int = int x 10 + digit

is flag == 1

yes

int = ! int

int = int + 1

no

MASKptr = 1st MASK address
count = 15

is count < 0

no

Load MASK
digit = int AND MASK

is digit == 0

yes

Print "0"

no

Print "1"

MASKptr = MASKptr + 1
count = count -1

yes

End

Note: This flow chart assumes the user only enters a "-" first, if at all, and then only 0-9, ended with an "enter" key.