

CS 33 MIDTERM

1. \times signed shly
 \downarrow
 100
 $\leftarrow -1$
 no

1000
 1111
 MAX-INT
01111111
 7F
 $-1 \rightarrow 1111111111$
 no.

11. $I = a/4$
 $F = a^{\wedge} \left(\begin{array}{c} 1000000000 \\ 0111111111 \\ (1111111111) \end{array} \right)$
 $\Sigma \sim a$ (over compiler?)

H: $a > 731$
 LMB
 100
 11111111
 11111110
 00000001
 reg $\rightarrow 1$

B: $a = 1101$
 $b = 0100$
 $\begin{array}{c} 1001 \\ 1011 \\ \boxed{1001} \end{array}$
 $\begin{array}{c} 1001 \\ 0110 \\ 0100 \\ 1101 \text{ (a)} \end{array}$

$A_1 \rightarrow$

C: $8a - a \cdot 7a$

10: 1010
 20: 10100