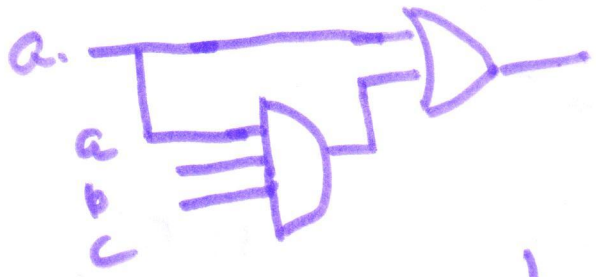
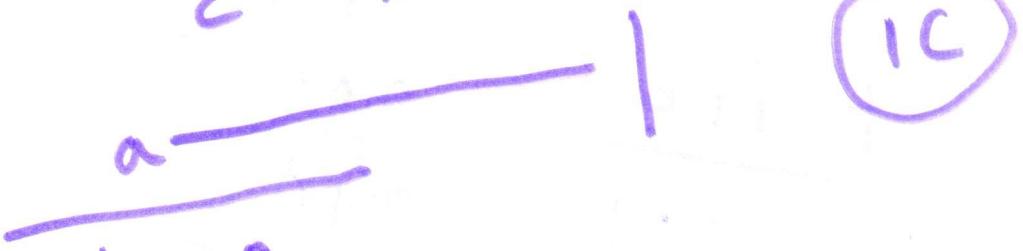
$a + abc = a$?:

$1 + x = 1$

$a(1 + bc) = a.$





1 → 0

0 → 1

if the number is true then add +1

12 → 0 01100 → 6-bit 13

0 01101

1 10010

+1

1 10011

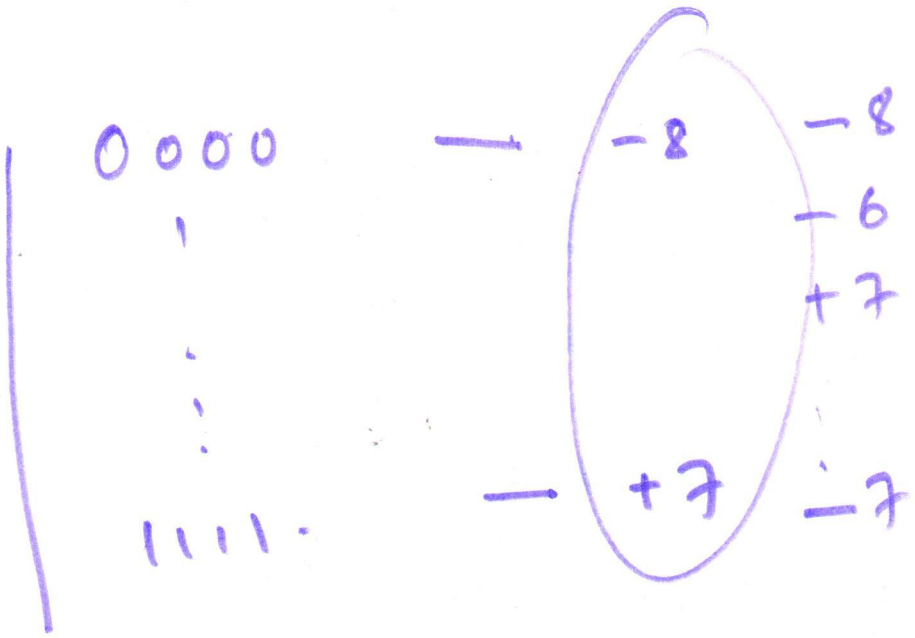
−12.

1 00011

+1

1 10100

→ Dont Flip till first 1 and then flip



0000	→	−8	−8
⋮			−6
			+7
⋮			⋮
1111	→	+7	−7

+7 −8

6	0110	0110
2	+ 1101	− 0010
	1 0011	0100
	1	
	0100	

1. Uniqueness.
2. Addition is simple.
3. Conversion is less costly.
4. Symmetric around +ve and −ve numbers.