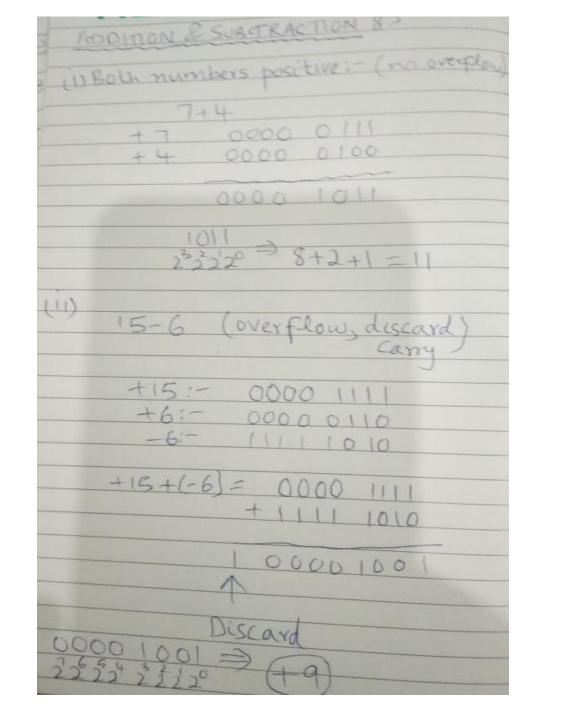


2'S COMPLIMENT 82 +18 = 00010010 2's compliment; 2765 2 3 3 2 2 2 -128 UNSIGNED NUMBERS (>) 0->2

SIGNED NUMBERS 83



(iii) 16-24 (no overflow) +16 - 0001 0000 +241- 0001 1000 -24. 1110 1000 +16+24): 0001 0000 + 1110 1000 1111 1000 3 25 24 23 3 2 20 -128 + 32 > +120 (IV) Both numbers negative: (overflow, discard larry) -5-9 +5:- 0000 0101 -5:- 1111 1011 +9: 0000 1001 -9:- 1111

-5+(9)- 11(1 1011 0111 0010 1111 Discard 1111 0010 25524 23322° -128 +1114 Second Way 32 -(5+9) =) 000000101 Jaking 2's compliment 11110010 141