

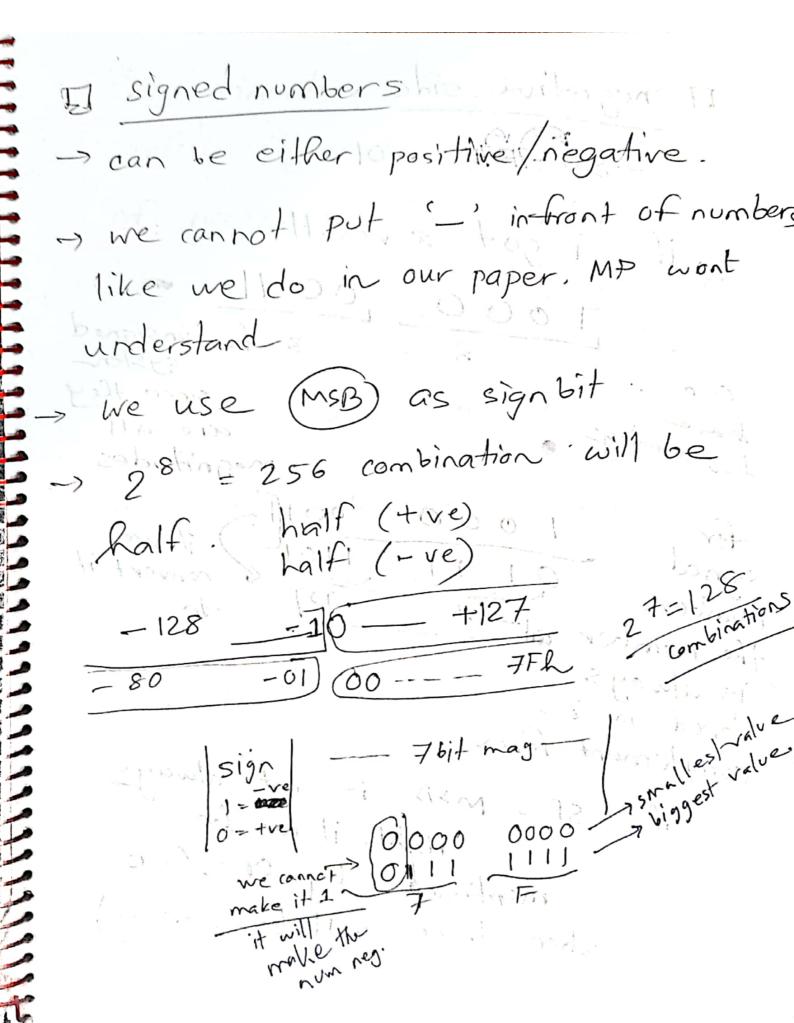
Id Flag Register
-> flag register contains the status
of the current result.
and food
-> conditional flags -> Trap flag (TF)
-> Conditional flags -> Trap flag (TF) -> Conditional flags -> Interrupt flag (IF) -> Control flags -> Directional flag (DF)
Sign flag (SF) (2) Overtices (lag (0))
(3) carry flag (CF) (4) Zero flag (ZF)
(5) Parity frag (PF) (6) Auxiliary frag (AF)
nibble = 4 bit SF gives you the msrs = 1 SF = 1 rd reget msrs = 0 SF = 0
unsigned number of indicates there
FFFFI DOOD in a signed number
(gone out ofrange)
· ·

Suppose, your prollinumber political zulor éviduel score is always Sero. Hosan + varior of 40 Dursigned number 2 post 10 minos :-8 bit magnitude

8 bit magnitude

28 = 256 combinato

Ooh FFR her Here isi no bit for sign. So, if MSB = SF does not apply
for si unsigned number. signed number 0000 0000 F

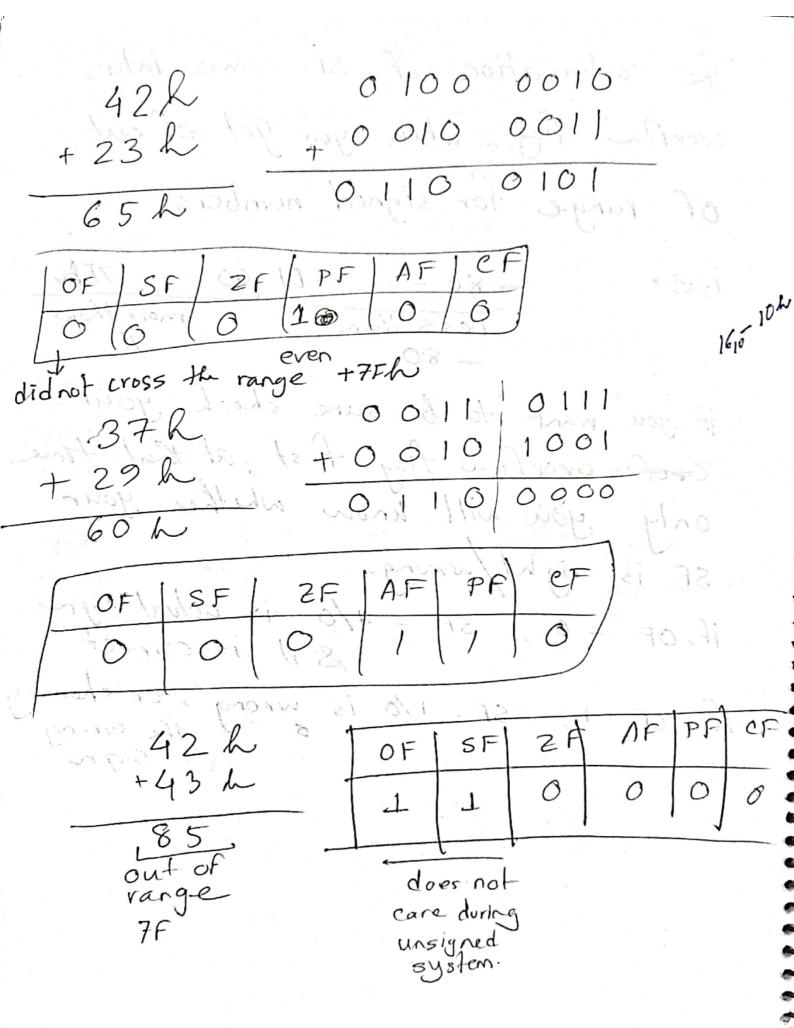


I regative side admin bongs - 1-80-7F-7E -01 milio si Josef an i got a resultino 1000 00011 3 h unsigned system can · tid note an (dam) since they are all two mayings magnitudes. 10000 0011 signed 0111 11011
numbers
the number al 7 for D) Convert it is always stored in 2's complement form coffic SF = MSD is not always right, it can be by of -; (i-e will be overflow) when there

The continuation of SF comes into overflow frag , when you get of out of range for signed numbers. i.e. -80 -- - 101,00 -- 75h Tess than more than 7F - 80 The sure check yournois over over from frago first, at that Home only you will know whether your SF is right/wrong. if, OF = 0, SF = 2/0 is actual sign wrong, or showing

the wrong

sign. SF = 1/0 10 Harlof - 1/15 6 0 9 0 0 1 1 lon' anoh a grade oras timpend



ITF = 1; single step. -changed by the programmer for controlling the process of single stepping in embedded system Atomic State hard time embedded system. IF=0 - air bag should be deployed disable string instruction copy/paste. DF = OA auto docremented de cremented since both the 0010 - 12h → J001 ## Numbers are out 0000 wrong ! - cDh -40h 0010 (D.10! 22 -7DW SF=1, since it is within ou 1110 1x AF= O PF=0 ZF=0 CF=0

CF =1; when there is a b carry out of MSB. 211110 900 0.100 C PF = depending Row many I's are there inside the result. For odd number of 1's, PF=0 for ever  $\frac{1}{1}$ ,  $\frac{1}{1}$ ,  $\frac{1}{1}$ I AF = Auxiliary carry Flag when there is a carry from the lower half nibble to upper half nibble. 2 2f = tells you; & whether your result zero or not. Result = 0000 2F=1