1-2	s Flag Register
<b>→</b> ·	fiag register contains the status
	of the current result.
-9	Control faces los mun bomplens
$\rightarrow$	Conditional flags → Trap flag (TF)  Conditional flags → Interrupt flag (IF)  Control flags → Directional flag (DF)
-> (	Control flags → Directional flag (DF)
$\langle i \rangle$	Sign flag (SF) (2) Overtion 7 lag (OF)
(3)	carry flag ((F) (A) Zero flag (2F)
(5)	Parity flag (PF) (6) Auxiliary flag (AF)
	nibble = 4bit SF gives you the byte = 8bit MSB=1 SF=1 rd mg byte = 8bit MSB=0 SF=0
-	unsigned number of indicates then
	FFFFI 1 000 Oin a signed number
	1/gone out ofrange

CF =1; when there is a b carry out of MSB. 11110 PF = depending how many I's are there inside the result. For odd number of 1's, PF=0 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.

Suppose, your prollinumber pola zulare crichtel score is always of the coment result: ones Dursigned number 28 = 256 combination Here is no bit for sign. So, if MSB = SF does for si unsigned number. ! I Myone out of range

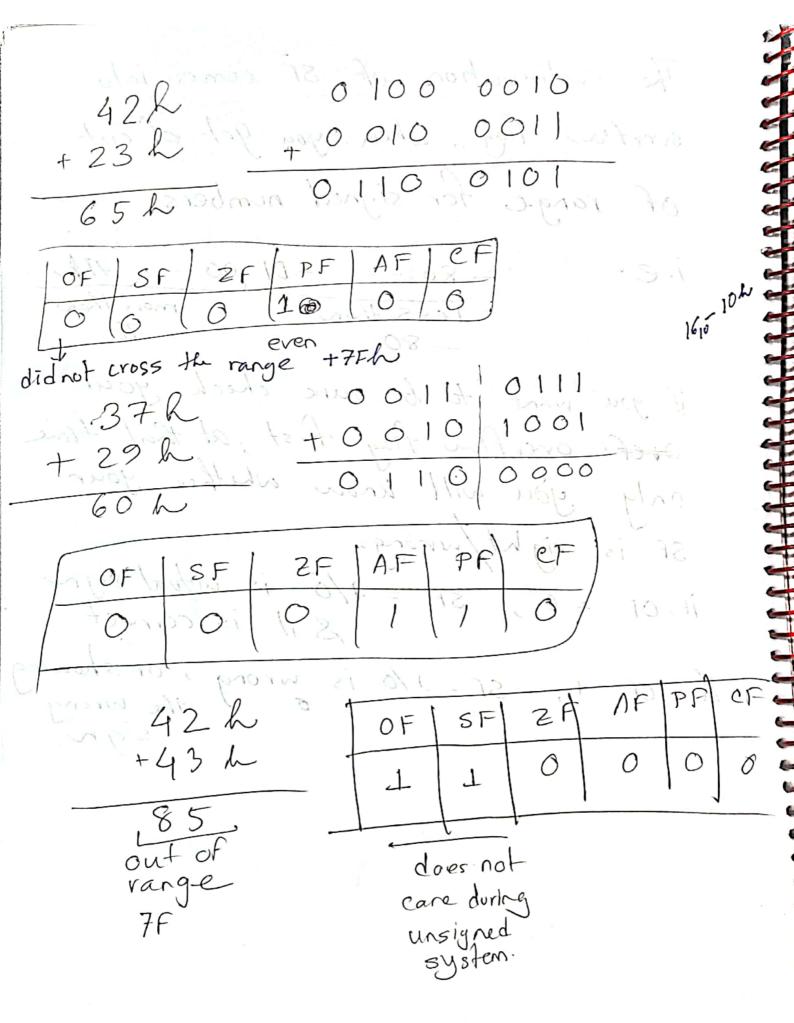
I signed numbers in suitagent I -> can be either positive / negative. -) we cannot put '-' in-front of number like we do in our paper. MP wont understand we use (MSB) as sign bit -> 28 = 256 combination will be -128 -16 - +127 -80 -OI) (OO -

I negative side modernin bongs 21\_80-7F-7E1-0-01-00113 3d 000 1000 Coblon System tid nois so (sim) since they are all two menings noitonidos a magnitudes. numbers al 7 D convert it to the number al 7 D to to 15 always 01 11 1101 is always stored in 2's complement form SF = MSD is not always mentioned by of-, (i-e when there willibe overflow)

The continuation of SF comes into overflow frag, when you get of out of range for signed numbers -80 -- - DI 00 -- 7Th i.e. if you want to be sure cheek yourno over over from frago first, at that time only you will know whether your SF is right/wrong.

SF = 1/0 is actual sign

if, OF = 0, SF = 1/0 is correct is wrong, or showing the wrong sign. Harloff = 1/3 SF = 1/0 don soub.



ITF = 1; single step. -changed by the programmer for controlling the process of single stepping in embedded system 日IF=1; Atomic State hard time embedded system. IF=0 - air bag should be deployed disable string instruction copy/paste. DF = 04 Lauto decremented 47 30% de cremented since both the 0010 - 12h → J001 + ABL 0000 → II 100 avestion range. wrong - cDh -40h 0010 0.101 22 -7D6 +232 SF=1, since it is within OF=O, ou 11101x AF=O PF = 0 ZF=0 CF=0

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