03815602417	
Poryansh Ringhal morns	
Poryansh Ringhal PAGENO: DATE: 1 120	
MPMC	
Assignment	
(	
MUL B, 82H	
Mov A, B	
Mov C, A	
NVI-0,37 HONELLE	
OUT PORT	
THIT I WAR TO THE TOTAL OF THE	444
0/p - 824 Aur	
6 SUBA DE LA BOSTE	
DCRB (xx/xx/x/x/x/x/	
INRR	
LINESUL OFFICE LINE WITH THE	
With Commence of the control of the	
The state of the s	
1114 2-	
SUPP A B 5 Z CY	
TOG XXO 1/9 COULOO NAMO MAS	
any-3	
Del-B	
3 - 00 H	
0000000	
	-1

MUI.A, BYTEI ORA A JPOUTPRT XRA A

Address of output Port =

: OUT F2H HLT and zero will be displayed at pout Fig.

BYTE 1=92H PORT FZH =7 = 00 AND

MVI A, BYTE!

ORA A

JM DUTPRT

PIC TUO

HLT

OUTPRI : CMA

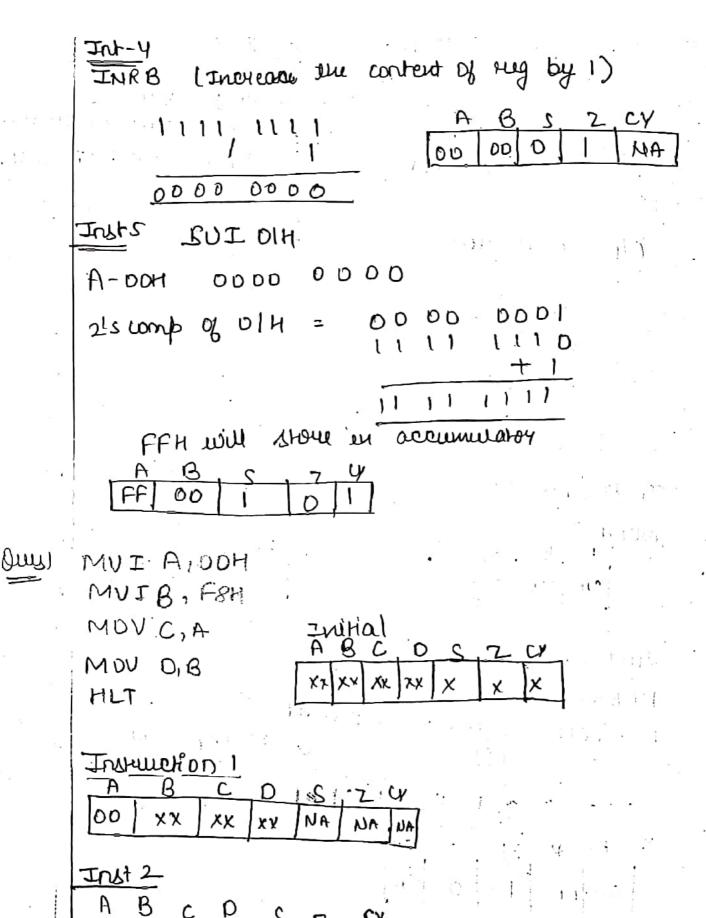
410 19A 410 TUC

HLT

Get data

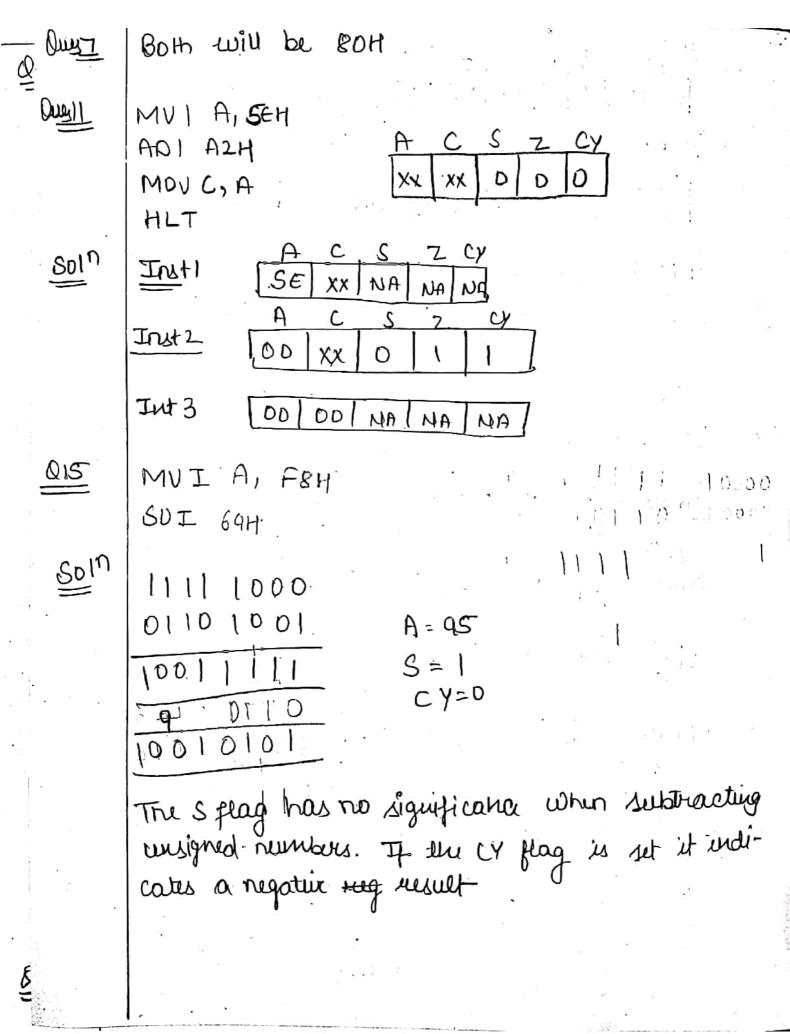
find 2's complement

This mouther displays the absolute value imagniture of Byte1.



00

NA



"11 Move &F to A: MVI A, 8FH ADI 72H 11 ADD 8F and 72 JC. DISPLAY 11 Jumped to Display as carry OUT PORTI HLT 11 xor acc. data A A A X : YAJAUC 1000 1111 OUT PORT I 1119, HLT 100000001  $\Pi$ OUTPUT at Pout 1 DOH MVIA, BYTE! MOU B, A SUI 50H JL DELE TE MOU AIB SUI ROH JC DISPLAY XRA A OUTPORTI In this, all byters from HLIT SOH to 7FH will be displayed

OUT PORTZ.

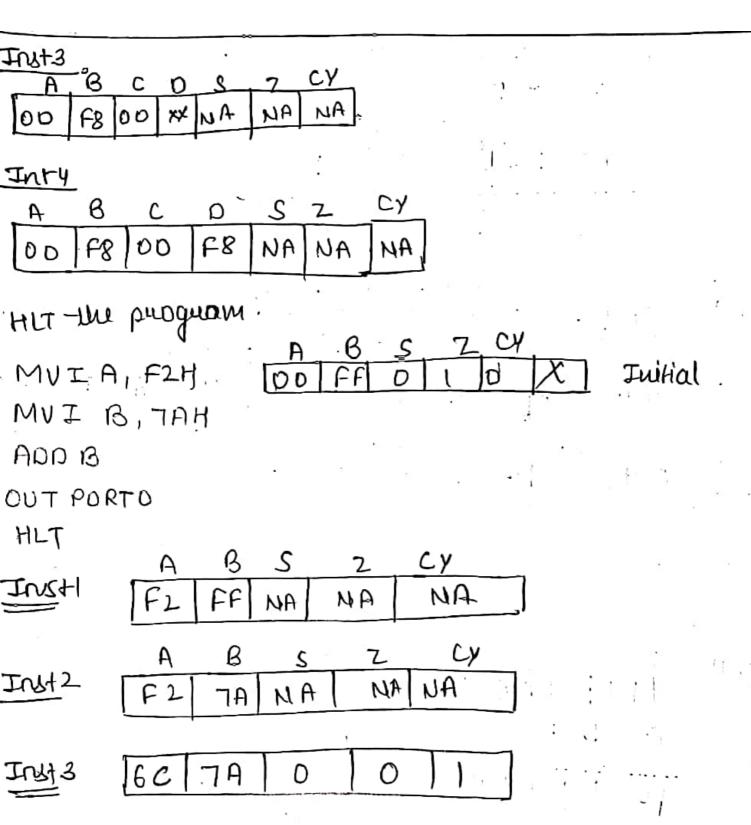
MOV A,B

HLT

OUT PORT2

The enstruction XRA A clears the accumulator, 020 and flag status is: CY = 0, Z=1 MVI A, A9H MUI BISTH ADA B OR A A Instruction ADDB sets the CY flag, but the ensulation ORAA rust the CY flag A = 00 S = 0 Z=1 CY=0 LLUSZY XRA A MVI BIYAH SUI 4FH ANA B HLT Itant NA NAINA 4A 00 Int & Inst 3 UA Int 4 ·4A 16 D

Scanned with CamScanner



(a) clear accumulator

SUB A

(b) add 47 (use (A-D I instruction)

Subtract 924

(d) add 644

display the moult after subtracting 92H 19) after adding 644

SUB A

ADIYTH

SUI 92H

OUT PORTO

ADI 64H

DUT PORTI

474 0100

0110 1110 2 comp =

1011 0101 = BSH[BOWLOW Plags (CY) is not to inclicate

0 0 0 0 0 0 0 0 64H =

regive results]

= 19HE Borrow Flag is 00011001

deleter, by CY of the resulte ]

(PORTO) = BSH & (PORTI) = 19H.

If a number is adder before cleaning the acc. its Hesust will include the desidual content of accumulator