HVIZ A CCH | Find which interrupts available

SIM Find serial data Date is control over Do - Do , of it is I they significant else urvalid.

2 Do-De indicate whether interrupt marked or available of Dy It is an extra provision to use RSTAGE flip flop.

Do is a control bit over D7. 12 D7 es a serval data to be toansmitted. 1 for the execution of falling instruction, and 11 available RST 6.5/5.5 A Schual data toansmitted, (1) MUI, A, CCH AT SIM g af content of A is 4BH in above enchuba. 0000 1011 RST 6.5, 515

RIM Read unterrupt mask	
RIM - 1B, 1,4 -> Read Intern	ept Hask.
RIM - 10, 19  It is a multipur poso instruction of pending intes secure sevial data through	hien used to know rupts & also to L SID Jeen.
RIM V Status V A	
) Valid for RST7.5, RST 6.5 of the interripts is doaded after the execution of RIM.	20100
D7 D6 Ps D4	D3 D2 P1 P0
SID 27 I6 IS	16   75   5   5
Serial Status of ending Interrupt	if 1 > heasked 0 > available.
epidata. Tending Internit	Intompt Enable F/F
	1 - Internets enabled (for EI
	0) " disabled (For D
RIM [IC]	

=) D3 indicates whether interripts enabled or divable =) D0-D2 // whether interripts marked or available -) D4-D6 undicates status of pending interripts -) D7 is sevial data received.
After the execution of RIM, the content of accumulation is $LC$ . Find,  (1) intorrupts marked = Roff.5  2) n avoidable = RS.5, RST 6.5  3) 12 pending = RS.5  4) Serial data reclided. = O
D B8 H
9) Serial — 9  1) Interrup marked — 0  2) , available — 7.5,6.5,5.5  3) , pendry 5.5,6.5
Special Instructions  LDA 16 but address - 36,
LHID 16 bit Address - 3 Load Fil pair but about with data present at 16 bit address (2 Bytes data)

ECOOH : LHLD GOODH ECOCH ECOTH F0024 E600H 24 1001 P FRRRIR -> 5 m/c 43333 -> 167 stales SHLD 16 bit Address -> 3B, 5, 16 Store the content of HL pair direct at 16 bit address Cg F8000: SHLD F000H ; if [HL] -) ABCD H. - FBOOH E802 # BOODSH FOODA 18 CO1H AB FOOLAT HIL TE8034 AB CC FRRNN -SM/c 4 83 83 -> 16t.

, towarching instruction Leava 67 delle SCHZ - 1 Byte 1 19 6 Load PC with HL content PCHL is known as I byte unconditional jump. 9. 10fo:LXI. By loff H 10F3 MOV AgEL 10F4 : PCILL A [FF] STOFF : HLT Reguster - Reguster addressing mode -> PCML. SPHL-189196 - Data Townsfer, Register addressing Copy the content of HL pair to Stack points lg. LXI SPg DODOEH 1X1 H, 8000H SPAHL 80 -A PUSH A ->SP->DOOOH N POP D HLT What is value of sport & data at 7ffH after Execution. 1 (800H) Execution. DAD Rp 1B, 81,10 Add the content of Register pair to HL pair.

formulates is unchanged too the enstruction.

Frank is stored in HZ pain.

Frank is carry out of 11 1 Rould is carry out of 16 buts carry flag is flags are unchanged. DADB DAD I + Kulhply dy &. DAD P FLOOH: DADB F100 B> Bus idde foof FFIL Press BC & HL add not directly but using accu mulator. XCHG 18,1,4. Exchange the contents of DE &HL liquiter pairs

> Data towarsfer unstructor + Data Townsfer XTHL - 1B, 5, 16 Exchange the data present at 70p of seace (2) Rounted by SP With HL content eg. Diso: XTHL DYOOH dep SP -> E-9014 Before Vater FRRNO -> 5m/c. 43383 -> 167 DAA 1Bg1gH De amal adjust accumulator after addition.

This is the only instruction which works with the status of auxiliary carry flag in BCD converts 8 bit data present in accumulator into & two 4 bit BCD no it used after adolption.