8085 Vectored Interrupts 3-	For vectored interrupts, up	
will know the address from where thein	terrupts are coming & Their	
SL. No. Intersiept. Call	1 acation. Corresponding	
	Stating address	
	024H.] of 18R.	
2. RST7.5 003CH		
3. RST6:5 0034 H.		
4. RST 5.5 00	2CH.)	
The state of the s		
To Associate a second	ALL DATAGE G.C.C.C	
Trap has highest priority, follo	owed by KSITDIOSIS	
and INTR. However TRAP has	Tower proving	
Signal used for DMA.		
Priority. Imput. Pin	Mask Vector location	
RST D CLR Q	DO3CH	
(Fage Level) Reset - 10	The state of the s	
RSTA'S Interrept Recognised:	- 1 2	
1/2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/		
Thousand of the part of the pa	0034н.	
Od too (d) 16.5		
(Level Triggered)	→ 0530H	
RST LOCTOR STALL	002C H	
(Level Triggered)	7028H	
The training of the state of th	10 10 Days Tonday	
TRAP.	002411	
(Edgetrig.) (EI - SQ	170020H	
Amy Internept Recognited P	N 1 Get RST 70018 H	
50 TO THE STATE OF	from y colott	
Trees the second of the est in the	Hardware 1008#	
Truth Table SR F/F.	A CONTRACTOR OF THE PARTY OF TH	
5-Randa MIRISA	only one non-vectored	
EI DI Reset interrupt as up does not know it's ISR location		
The corr	esponding address Cold from	
1011 67 148 1141	HALNACITO	
Undefined WILL BE ACTIVE		
1 1 Undefined WILL BI	E ACTIVATED.	
	Scanned with CamScanner	

· software Interrupts RST 0, 1. 2, 3, 4, 56, 7. [There are combegenerated] · Hardware Interrupts RST 7. 5. 5. 5. 5. TRAP, INTR [These are generated] externally by peripher		
RST 7.5, 6.5 85.5 ->		
These are maskable interrupts and enabled under program control with two instruction: EI & SIM.		
SIM > (SET INTERRUPT MASK)		
Sonial of politics of the solition of data latch Solition of the solition of		
Three different functions of SIM instruction >		
Det the mask for RST 7.5, 6.5, S. S. interoupts. This instruction reads the content of the accumulator and enable / clisables the interrupts according to the content of Ac. Bit D3 is a control bit and should = 1 for bits Do, D, & D2 to be effective. Logic o' on Do Di and D2 will enable the corresponding interrupts & logic 15 will disable the interrupts. B 2nd function is posset RST 7.5 flip flop. D4 bit is Contil bit for RST 7.5, If D4 = 1, RST 7.5 is reset. This is used to override (or ignore) RST 7.5 without servicing it.		
The third function is to implement serial I/O. Bit D7 and D6 of the accumulator are used for serial I/O & donot effect interrupts. Bit D6 = mables the serial I/O and bit D7 is used to transmit (output) bits. HOS IAN		
MAP to enable all the interrupts in an 8085 system.		
Ans. Instruction Comment 2 AC Cooleen		
MVI A, O8H ; Load bit pattern to enable RST75,65255.		

* RIM interscept loads the AC	1010-	
de dealent read to De lacesta	1100-	
SIM - HE COMETA	11107-	
WAP to reset the 7-5 interrupt.	1110	
Instruction -		
MVI A. 18 H.; Set D4=1. SIM ; Reset 75 interrupt flip flop.		
SIM) Keset 7 2 Taterropt flet	Flop.	
Dealing Interrepts -	7.8:	
Pending Interrepts -	ins when one interrest	
16000 1910 Severily interrupt units, content the interrupt		
projuest is being served, other interrupt projuests may occur and remain -		
pending, 8085 has an additionalinetruction called RIM (Read Interrupt Mark)		
to sense these Donding interrupts.		
RIM is one byte instruction 2 used for following functions-		
To read interrupt Masks! This instruction loads the		
accumulator with 8 bits indicating the current status of the interrupt		
movaks.	Da DE and De identiky	
(b) To Wentify pending interrupts, Bits	14308 4016 50	
the pending interropts.	in ugad for this purbose.	
To receive serial data. Bit D7	b take for my	
7 6 5 4 3 12	1.00	
SID 17.5 TES IS IE MAS I	46.5 MS-5	
	"JInterrupt Masks:	
To large the state of the state	= Masked.	
Serial ile data bit. 1= Pending	1.= Enabled.	
1 54 dares = 341; 2/19500 111 - 1 1/20 2 5 4 43, ex		
Prote: Accuming les is comploting an RST 75 int	erripot requists Check	
to see if RST6.5 is pending. If it is pendin	a enable PST 65 with	
out affecting any other interrupts; otherwise, or	etiern to main prog	
out affecting any other later of the	0	
Ane Trebuction: Comment	LON TO OD . +	
Ans. Instruction: Comment.		
May & A . Save Mark inform	2.705	
ANI 20H j Check Whether RST	XXDXX	
and the same of th	0 000000	
	0: nation	
molecular to the man of the more of the set	o bistoria in this	
74	ling, return to moun from 2	
NEXT: MOV A, B , Get bit Pattern; Rs-	U 1	
ANI ODH) Enables RST 6.5 E		
ORI OBH I Enable SIM by	setting D3=111 nor c	
SIM	(interrupt service Routine) of 605	
JMP SERV I Dump to ISK		