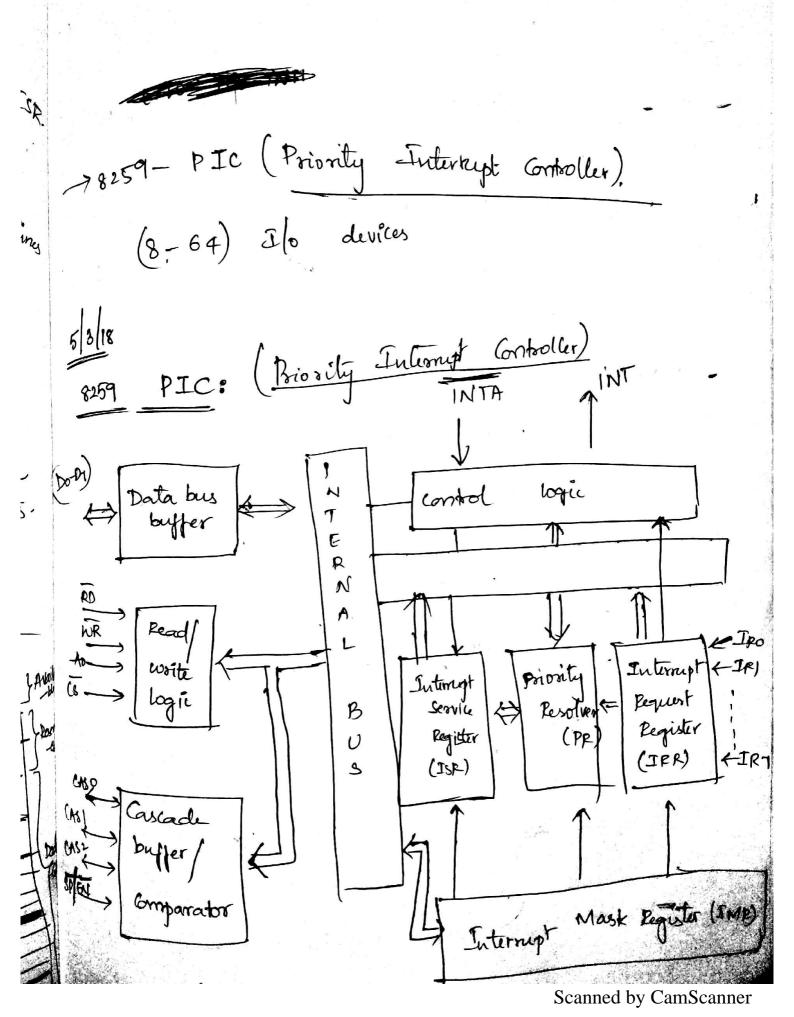
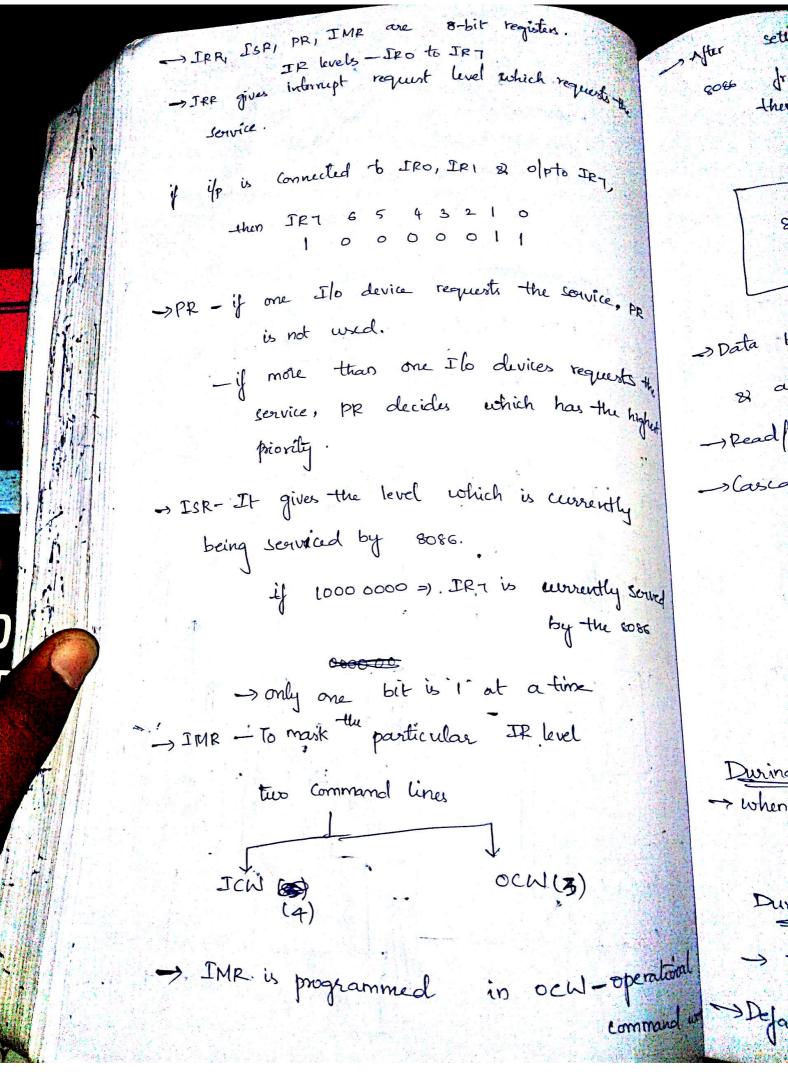
- INTI - Low Ariority.





After setting—the priority. In (request) is sent to 4086 from 8259 through INT 6.

Then 8086 sends INTA (acknowledge) to 8259 the INTERESTRATE INTER PR Data bus buffer -> Sends data b/w 8086 & 8259 ts the & also used to sen check the status of 8086. highest - Read Noute logic -> TS=0. sascade buffer / comparator > 3 Ilo Cascade lines CASO, CASI, CASI SP./EN = Active low ilpls. Sp=0 =) slave mode is enabled.
(Single mode)

EN =0 = 8259 is operated in Master mode.
(Cascade mode) served 86 >> 8259 is interrupted with 8086 from 8 devices During I(1st_clk cycle):

when it is sorviung, particular Isk bit is 1 & Corresponding IRR bit is o'. . it gives the type of interrupt in 8086. and word Default; IRO-Migh priority & IR7-bu priority.

Moder for Briefly,

1. July Nested mode (or) Default mode:

IR 0 - high priority

IR 7- low priority.

d Specific Rotation mode:

Any one of the IR level can be specified by assigning the low priority. Hence, the priorities of other IR levels get fixed in cyclic order.

Ex: If low priority is assigned to IR2, other priorities are as shown below (i.e., Cyclic order).

	IRT	IR6	IP6	IR4	IR3	JPs	Del	Teo
į	4	; 3	2	(-	l tigh priorit	7	E POID	priority

3. Automatic Rotation mode:

IR3
IR2
IR1
IR0
IR7
IR6
IR5— high grionty.

4. Genalt Fully Nested

8086 -8259-Master

each Slave have Here; IP

EK!

1/2/18

8259 PIC:

Tend of Interrupt

I Non-Specific E

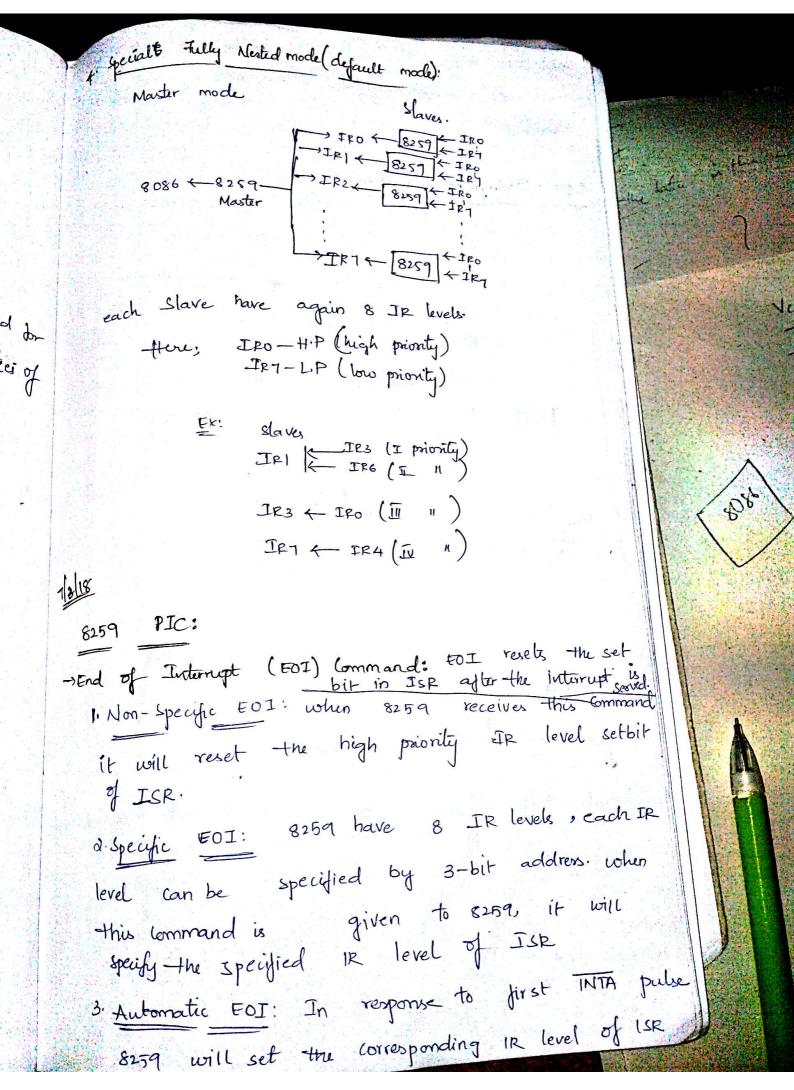
it will reset

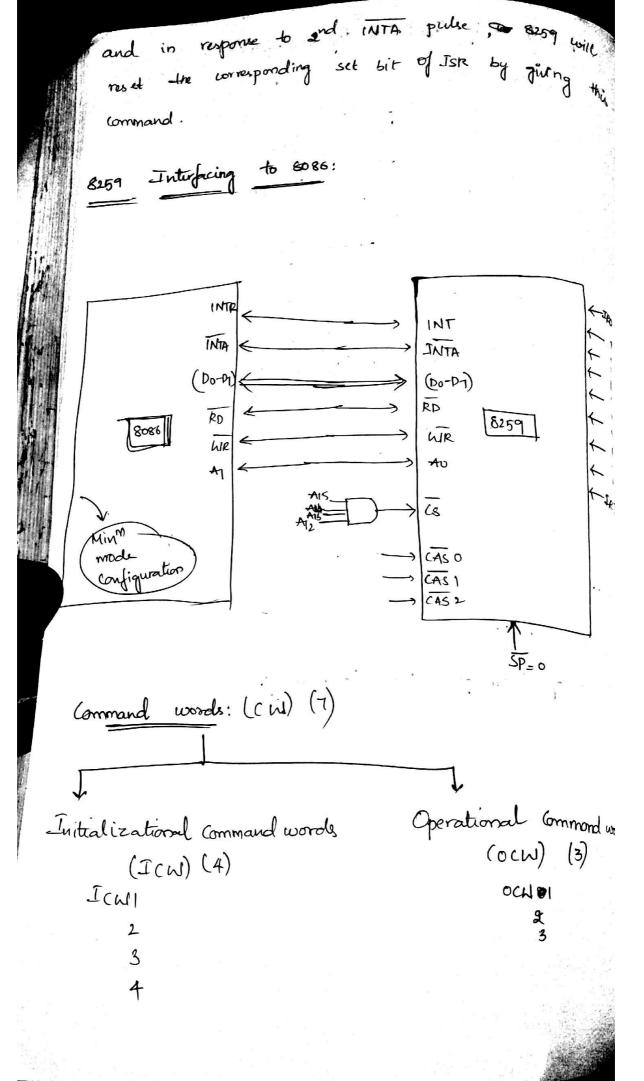
of ISR.

level can be this lommand specify the 3

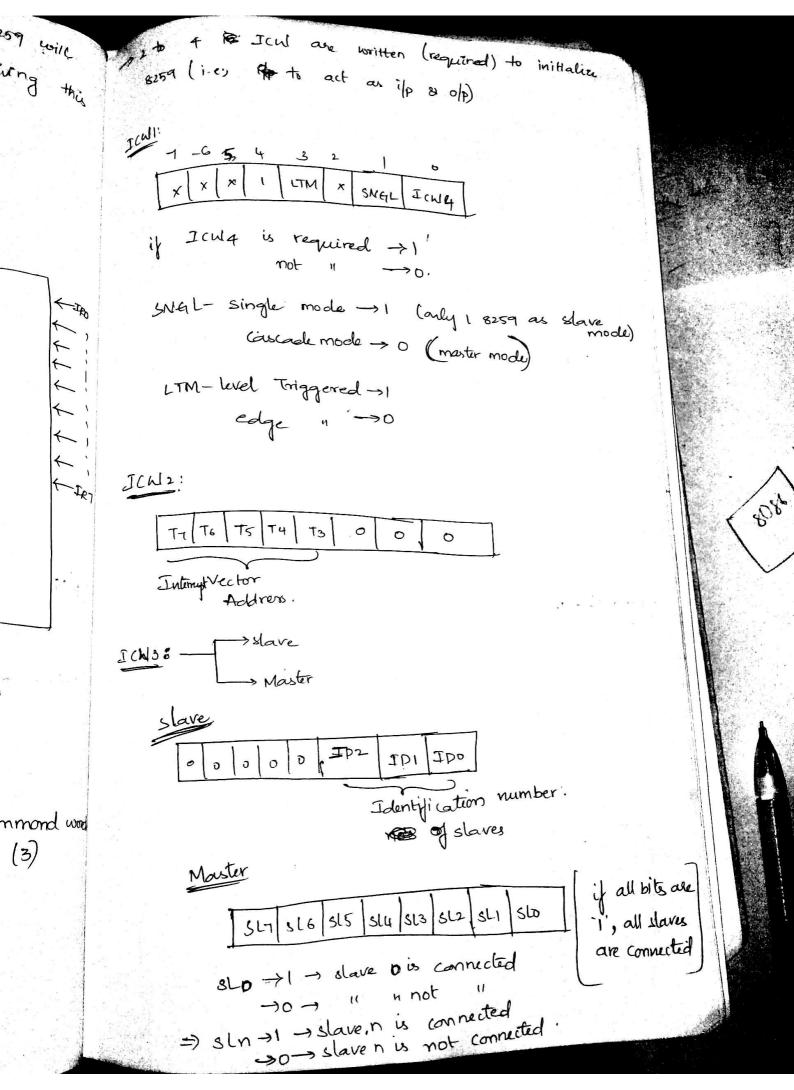
3. Automatic =

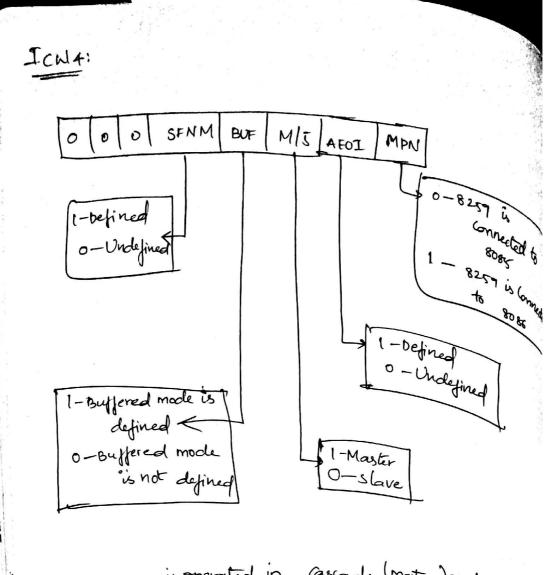
Scanned by CamScanner



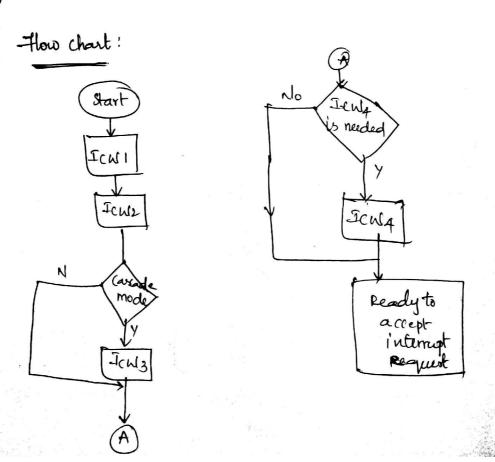


Scanned by CamScanner





-> if 8259 is operated in Cascade (master) mode;
AFOI is required.



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ochlist is programmed to mark the particular IR level

M1 M6 M5 M4 M3 M2 M1 M0

My -> 1 -> IR7 is masked 0 -> IR7 is not masked.

Mn → 1 → IRn is marked.

O → IRn is not-marked.

p/3/17

MA Gentroller (8257)