* Addentify lang uses a machine fust operate for each lew-land machine fust operate for a perater fust operate for each each least lang etc. * Michanonic is an alexandethine fust operate for machine long appearants. * Assembly lang appearants for the symbolic operands. * Assembly lang usually has I statement per machine long appearants. * Assembly lang usually has I statement per machine long appearants. * Assembly lang usually has I statement per machine long appearants for machine lang assembly language assembly lan
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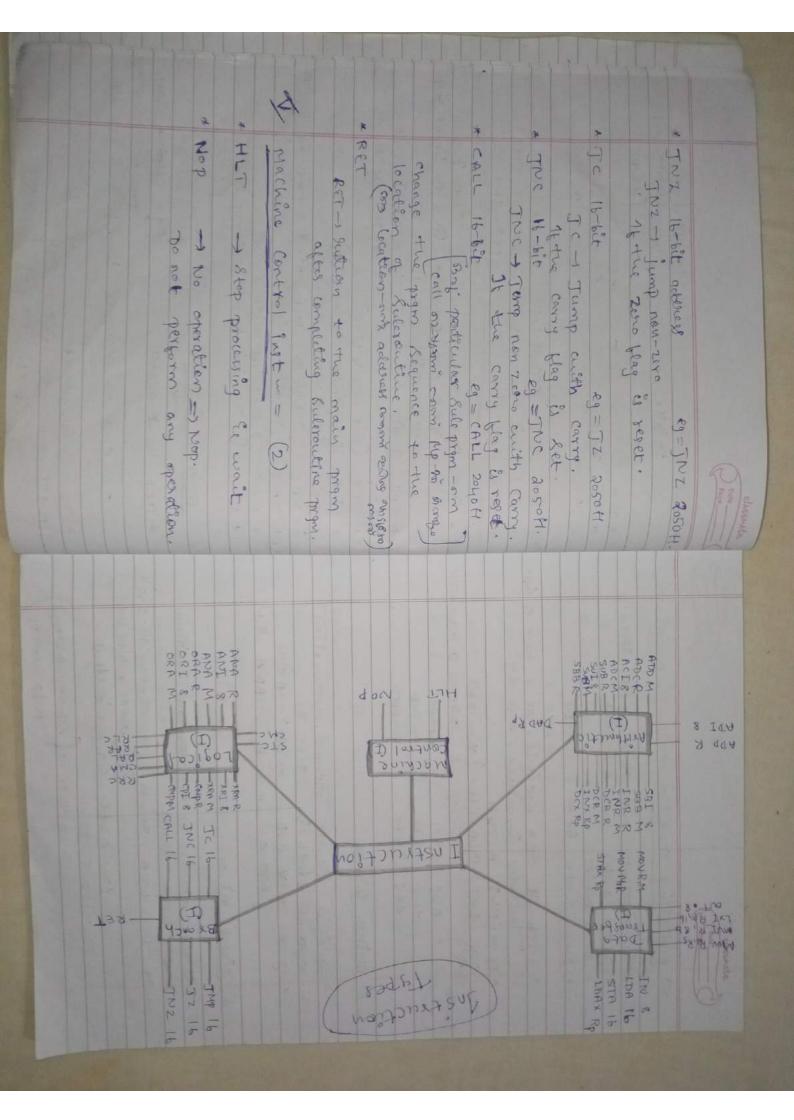
	STA BOOCH. IN OZH OUT OIH	* There are different the clother charge operated upon ma no instructions of the operand to explicitly specified the explicitly specified with are restricted instruction are shyte long.	matsignificate may be to as not sort sort to as not sort to sort to as not sort t
	* eg - ANA B MOV A B ADD B SUB D	These one different techniques by which the clated address of the darks to be operated upon may be specified in an instance techniques - A. mode. I types. I types. I the prand techniques - A. mode. I there is the prand of his which the oldresing in which the oldresing in which the oldresing in which the oldresing in which the oldres. All help are shyte long.	sess is started in the form things integers - sate word to a suspected to as LSB (bast 56) suspected to as MSB. Made of soss =
* SOB M = Sutract.	* MON A, M = Mous co	* Inst. Specifies a (E) pais which contains the remory aclowed concerted alat a By located. ANA B = AND Co	* LDA 8000H * STA 8000H * ADD B
= Sutract HELLE form ACC.	whose address is in H & (B) to Acc. = Add the contact of an boother whose	# operand is specified * operand is specified is inst. itself * part a extress an 8-bit Quantity a 16-bit Quantity a 16-bit Quantity A 18-50 H. AD 1 38H. SO1 38H.	= Transfy the contents is mannery location search to Acc = Stories the contents of Acc in rumory location search. = Pead 8-bit data from port with address 52H to Acc = output 8-bit data from Acc to port with address of H.

* Inst- is a binary pattern entough twowy	=> In8Exuction Rot =	South = complement the control of ACC.	RRC = Rotate the lantity of ACC	RLC = Rotate the contrato of ACC		explicitly by it is implied -) I A make	extende dees not kneither an hove the	in the instant it is implied.	& Firth B	cherendy (9	(5) Implicit Adobusing =	the contrits of ALC.	ANI 21 H = AND data 21 H with	SUI 38H = Suletract .	A ADI RAH II Add John 38H to ACC	TXI HI SISOH = Load HL	and they explored they to the to the	tolk M = stevent to the lantity in measuring		Change of the Ch
* MUT R. 8-6% data and a B. 4TH.	Sown to (2) always at	404	transfer int = (1)	N N	b) R = 8-6it (8).	* Notations used in 8085 for instr>	eg + ADD 2,3, 2503 and operand.	b) operand - data to be operated.		a) optode = operation to be performed.	* Each light - has 2 parts:	e) Machine control 1496	of Branch into	O Logical		tapes)	* 8085 wes 246 Combetonation & Reprise 74 int	1 239 30	* & sir No can him son that specific ().	- 4 B - 18 b. 2.	

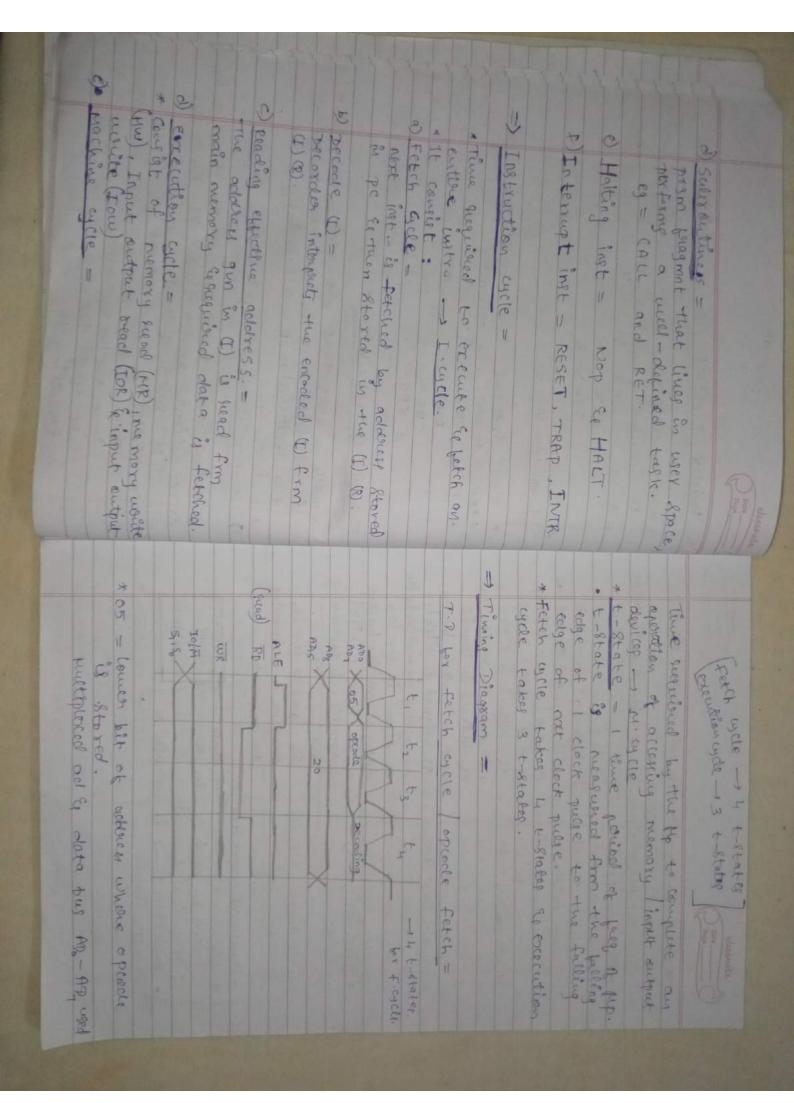
A MOV M. R. = Registers = Reg	* COT 8 bit = eg = COT OIH ** COT 8 bit = eg = COT OIH ** IN 8-bit = eg = IN OTH. ** IN 8-bit = eg = IN OTH. ** Pread data byte from port & stove it is a cit. ** LPA (L-bit = eg = IN A gason. ** LPA (L-bit = eg = LDA gason. ** LPA (L-bit = eg = LDA gason. ** LPA (L-bit = eg = LDA gason. ** STA (L-bit = eg = LDA gason. ** STA (L-bit = eg = STA 2010t. ** STAX Rp. = eg = STAX D ** STAX Rp. = eg = STAX D ** STAX Rp. = eg = STAX D ** STAX Rp. = eg = STAX D
SOR * MOV R. M =	The bit eg = LXI

be ferther.	The stand of stands of the sta	4) 16- bit (R) - wheel for storing the instructionally being being becauted.	Cott position	In zero. Auxiliary party articles to the control of party party articles to the party party articles to the party party party party articles to the party pa	$\frac{\partial}{\partial x} \frac{\partial}{\partial x} = 8 - 6 i t $	Depte p. Ko = 2 (R) A = * Acc * Exput & a. & legic operation. * Exput autput operation.	Set 1 Beyst-0. Chassante
20	(B) (B) (C) (C) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	* SUI 8-6°LE eg = SUB B. COO.	* ADC M. eg =	* A Training	* ADD M. Aclas contact of a number of a nu	R Ret	Construction of the second of

(Jrs Jung zoro to 16 per adams of set.	
aldress	logically AND 8-bit data with contout
* JMP 16-6st address to Specifical memory.	* ANI 8-68t Contat of A. I more shall data
	* ANA R logically AND the cantot of @
A RPC " Right wid	Til Logical lugto = (19)
(Rotation)	in HL. of HL
A CMC Camplement Acc	add to DAD Re Poulele and eg = DAD B.
M. M. Carry (lea)	* DCX Rp G = DCX 8.
uged	persent 16-6it alata
combare the count of 10 with contact of A.	*INX RP (BEC+1)
* XRT 8-bit / eg = XRA M.	16 per de
TOBY TRA R) (ACCUMSTURE -OR) P3 - TRAB	
* ORA NORA NORA NORA NORA NORA NORA NORA	6
P	M HI DOIS CONTO + 1.
* ANA M lastally AND COALL of M with contact of A.	* INR R Eg = INR D.
	Ry - tagistas pars.



alaccada
in) Register Inclinate (A) - \$ Rp
* runnery additions awhere the operand located
& specifical by the contat of the
200 M P.
STRX B
5) Implicit (A) =
* operate specifics the adolphos of mexand.
antu ontocke
O Z O
STC
=) progra Coutral Instr
x martine code that are used in martine
in alternation toms by usex to command
the processor act accordingly.
6 types -
a) (ambase (I) = crop K, s R2
b) Unconclutional Branch (I) = Jomp LZ, MON R3
c) conclitional Branch W = BE R. R. L.
BE - Branch 16 Equal.
BE Choose of the city of all the balance
not equal the prom will continue
(prescripting the nost and to



	the execution that a self format time is represented	operation a performing operation a performing operation a performing	De de	The signal for multiplined and by data bug cuttle be used as class of bug ad bug law olata bug ad bug as been octive = 16 8 foned a bound of high I med bug ad bug be used as class of bug being be used as class bug being being being being bug olata bug being	Hao = higher bit of and where openson A stored. A solution of and where openson
+ Access through a cred	nemory locations is the data is transposed b/3 rup is input/autput devices. * Achonessing syntax. is	* smut foutput dovices	* Hove processon places the address on the address of the lines from the address the lines from the address the data from the address the address from the addr	* sols executes the memory find cycle to shed the contact of this memory Rom.	=> Miniory Read & white
The adoles of sox	specific input/output ports Antouressing Synta is	(2) I (2 types) (2) I (0 mapped I (0.) (peripheral mapped I (0.)	1	Ross executes the money with the state the machine cycle to state the data luto data memory.	machine cycle -

A) 03 (total 3 nun) Store 3040 H. (03-) 3040H) (05) 3041 H 14-) tombook 5 C/8 3043 H. 2nd	
2) (total 3 num) store 3040 H	M 797 H
A) 03 (60 FOLT 3 NUM) Store 3040 H	Mey 1 2000H (land 16-bit 1-data to H)
A) 03 (total 3 non) store 3040 H.	-111
A) 03 (total 3 non) store 3040 H.	HCS. A IVM @ IV
	(574 -> store Accide 2000H) (mov I colater >2 to Milanto
Lo	HLTH
-1 3042 H	STA STATE
X 05 -1 3041H (assualling moths	Sport and MUI A. FILL Sways 8 -> 0101 0010
The Rosting of an array of no-	11000 H 446 29H
	rumory locations some H with
	1) Store the bi-
アコーアー	11
TOX H 2001. CLERADOM SONTHIA	- programy -
Z	
INY	prism -> Assembles.
MOU ALM	machine opcocles extino a training natione
A) LXI H, 2000 H	be translated futs the second much
300 H Sc plate + out with in Milace	that contains musmanis miles
3) Add the centat of	* Referre excepting an A land man that
and read	the Le Bush or a wallians with a fall
S7 H 2200H	buch any to the machine opendes.
ADD & - Desilon aperation	Conservation cooled (polled A. lang)
MUI B HOH	by En where a spirit of the train.
Store MUI A 20 H.	* instead of using marking operates divertin
*DI 8-60	a peculiar dequence to ale the spelific top
A) bes add thing - VAD B	they a det of instructions on the
a) Addit	
The Control of the Co	- Assembly lang =
Distribute distribute	

HLT	
	Company out of I shall
SHLD 2505 H : SHOTE GOLD ATT OPERATE	M
	(aspe) (NX H.
"H" -1 higher by the of and own	MOU A M
with carry.	TXI TXI TXI TXI
ADC H. Add William hate of and man	
	I
+.	
The part to	
L' (B) Contains laures butter	
ADD L : Add (pulls byte of and no-	HUT STORE BILL OF SCORE WATER
the use of	-
100	-
May ALE with lawer bute of 15t no.	HOD M. Add 1st County
3 H	N X X
(Control of HUDain (1 DE passe)	M CHET IST OFFERAN
XCFICH - Exchange.	TVT
3 CH GH , Save 1 16 18 18 10 m DE	
	0010 100 11010010 (D2H)
LHLD 2501H ; met 1st 16-bet now in HID!	001100
	1001
CC 1 2505 H	851 2503 H - 199 H +39 H = D2H.
+ SA	2582 H -> 39H.
11 - 2501 H SA - 2501 H	250 H - 199H
	t now (99H & 39H)
0	
	CMP M (A-M)
MOU N. A	# 180 = W
	MOU A.M. A=05 0 0 0503
	5x xx 1 1x1 H, 3041 H) 0 3042 306
	Soul T. C.
	Control of the contro
THE RESIDENCE OF THE PARTY OF T	

10) find 2's complement of 16. A) find 2's complement of 16. A) 1's ollo toll 69.+ LDA 2501 H CMA ADI 101 H. 1 Add 1 in the home Hereila HILT MAN A.M. MAN A.M. MAN A.M. THE ATTERNATION OF COUNTY Algoria Panala Toc Attern has occurred in the Previous May an-(a) the processor checks the County May Ma an-(a) has occurred in the Previous Las occurred	OSH 8 H 1 001 H 1
A) find i's complement of 76H. A) 2501H - 969H (10010110) 1's complement = 69H (0110 1001). 1DA 2501H : Great the non 110 ACC. CMA STA 2502H : Stage 851 in 2052H HLT:	0 0 -

MOV A, M STA 2503 H HLT.