Data	Transfer	frank	-	♥ unacademy
mov Rd	Re-			
Addressing r Addressing r No. of byte Description - copied to Eg - mov B: 20	Rs - Rd node - Resist a - 1 byte - Here cor	tu addre	ning mode sigista Ri	_uill_be_
B = 20 (= 30 Aftu ex Flags- Not				
mov R.		,		
Operation - Addressing r No. of byt Description in street	node-Indi es-1 byte - The cont on HI pa	tect ad	drusing mo IL whose be copied	addiens
Eg- mov B=20	K'W		t affected	•
H = 40 L = 00 4000 = 11)			
Afta ex	euton 10.		Samuel	hy CamScanner

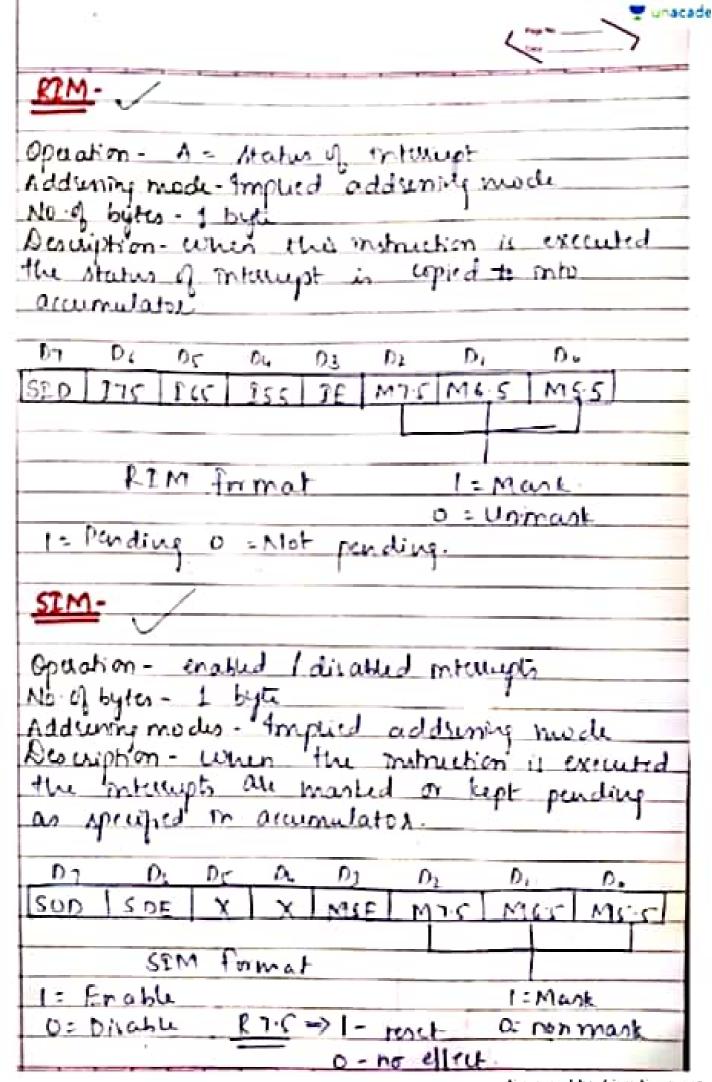
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LXI Rp, Pata L16 bit data 1-	macade
Doughim - Dala -> fo	
Operation - Data -> Pp Addressing mode - Immediate addressing mode	
Had sening mode infinitellate actusing mode	
No. of parts - 2 parts	
No-of bytes- 3 bytes Description- mov immediate 16 bit data	to the
register pair.	
Eg- LXI H , 20 30	
H=50	
1=70	
After execution.	
After execution	
L=30	- 3
LDA Address -	
Spriation- (Addsen) -> A	
Addressing mode - Discet addressing mode	
No. of huter - 3 butes	
Description- load the accumulates from	the
Addrening mode - Discet addrening mode No of bytes - 3 bytes Description - Load the accumulator from address given with methods	
Eg- LDA 4000= 2. Flags- Not affected.	
Eg- LDA 4000=20 Flags- Not affected.	
Alte excubion	
A - 20	
4000 = 20 After execution A = 20	

FULD Haasen-	_ unacodemy
Opuation - (Addsen) ->	· · · · · · · · · · · · · · · · · · ·
Addsening mode - Aires	
Month history 2 to the	
Designation - 3 bytes	
supron-wad the	contents of the address to
registed Land conte	contents of the address to
arts	
Eg- LHLD 3001 7	lags - not affected.
4 = 30	C. 2001
3001 = 33	
3002 = 44	1000 - 100
	Crock Co
SHLD Addsen-	N: 20
	•
Operation - L-> (Addies) H→ CAdsen +1)
Addressing mode - Disect	addiening mode
No of bytes - 3	, , , , , , , , , , , , , , , , , , ,
Description- these conte	of the addies+1
address and content	1 H to addis+1
Eg- SHLD 5000	
J H = 60	W1 : 30 2 U
L=70	
5000 = 50	11 - 3
5001 = 40	
Alter execution	400
50.00 = 70	10
5001 = 40	4000
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* 8085 has 74 basic instructions. Tol- unacodemy unstructions can be executed.

Assithmetic Crowner:

(1) ADC: Add Register to Accomplator with early operate operand ADC Reg (R)

Namey (M)

- It is a layer instruction.

- Addressing mode in Register Addressing Mode.

The contents of the operand (negister armemory)

and the carry flag are added to the contents of

the accumulator of the result in place in the.

accumulator.

[A] ([A]+[R]+[c] .
[A]. (CS]+[A].

(i) ADD: Add Register to Accumulatori.

ADD Reg. 1. [A] ([A]+[R].

Mumory. [A] ([A]+[C4L)).

-> 9+ is 1 byte instruction.

-o Addressing mode is Register Addressing Moder
-o The content of the operand (sugster ormemory)
One added to the contents of the accumulation
and the sesset is stored in the accumulation.

* ADI: Add Immediate to Accumulator unacademy operate operat ADI: Story [A] + [date] - 0 91 is 2 byte. accumulator and the result is placed with accommente Addressing mode is Immediate addressing mode.

* ACI: > Add Immediate to Accommulator withcomy opude operand. ACI data

8-bit [A] - [A] + [dak]+ [carry].

~ c 9till 2-byte.

are added to the contents of the accumulator of and the result is stored in the

- · Addussing mode is immediate

* DAD: Add Register Poir to H& L Registers.

[HL]+[H]+[TP] DAD Ray pour

* It is a 1-byterinstruction.

* The 16 bet contents of the specified origination poir are added to the content of the negative I the sum is Saved in the HL register. The content of the source vegista pair are not alfred. * Addrewing mode is Register Addrewing Mode.

*Decimal-Adjust Accumulator: DAA --

- 9tim 1 byte instruction.

- The constant contents of the accumulator are changed from abinary ratue to two 4-bit binary anded desimal (Baco) digite. This is the only Chronety Bort Analleino mm pout withmetiun to perform the binary to BCD concernion.

🕎 unacadem

* DCR: Decrement Source by 1.

DCR Reg (Register addressing mode). Memory (Register vindinect addressing mode).

- o 9 tive 1 byte instruction.

-o The contents of the designated register/memory is dissemented by 1 and the visual are stored in some place. If the operand is a memory location it is epocified by the controls of HLougiston pair.

* DCX: Decrement Register Poir by 1. abroge abroard

Dex Ballbar

-091 is 1-byte instruction.

-o The content of the specified ugister pair are decremented by 1. This instruction views the content of two regation at 16- bit number

- Addressing mode in Register adisect.