0

accent agration extraction be one med to accent the further and for 110 operations for 160 operation

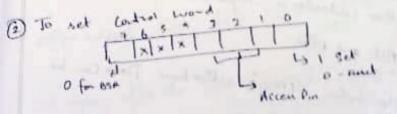
any port to any segutes and to more values and vice vena

() The nito has the will be to The entro will be active high

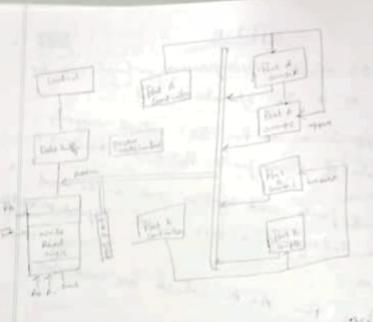
running happer 1 1 10 mapped 10

to do at address are use to 1 & but I to but addressed

(The can be processed from (Only Its and out can be from Port to Accordate



Pant - B 1.18255 in a transprocessor which can be uned as a Ilo operations aid. (1) 8255 is a 40 Pir Ic which majorly comute of Time porte Port A, Port 6, Port c (.) All 3 ports work together and can be und when interfacing a 8000 with injust on output (.) It has Pin Ao, A. which are used for selecting ports O O CWA (1) 8755 also was RB and WE pure which are set to active low to perform read and write to from fort and to port respectively. (1.8255 has a sevel for which lets in to sent all the previous configurations



Different modes and table in 8251

(., Hode O Both Port A and Port B are considered to be two & but Ports and Port C is considered to be a 2 independent front

() All the provis can so set to Expent or outful

(.) Outpute are latched and Properte are not

10 No Handalule | Tiderright capability

@ 2 clips of 32 K × 8 FOM a clups of 32+ × 8 FAM

Food to FFFF Dooo to DEFFE Ron 1 x 2 E0000 to EFFFF PAH 1 A 2 PAR 3 x 1

The common address one Aia, Ais, Air, Aib, other are ind for clip relation and Aig - A, will b und blechon in AOM

FOU PAN SA 42

Stating 1101 0000 0000 0000 0000 End : 1101 (111 1111 1111) 1111

clube relection the are Air, Air, Air, Air

Segment cs f: mt fld x fld Y **Path** fadd st (1) fot sum End segment () what happen in we are allowing value for variably x and y as 10 21 and 12 13 as we declared DN for y and y :1 can have neal nucleu and Entegers we are loading & into Atack, 10 it will () In Code segment take the prosition ST(0) () Then we load y into stock which take STFO) pulling x to ST(1) (1) Then when we add \$T(1), it adds \$T(1) to \$T(0) =) In ST(0), ST(0) + ST(0) is About

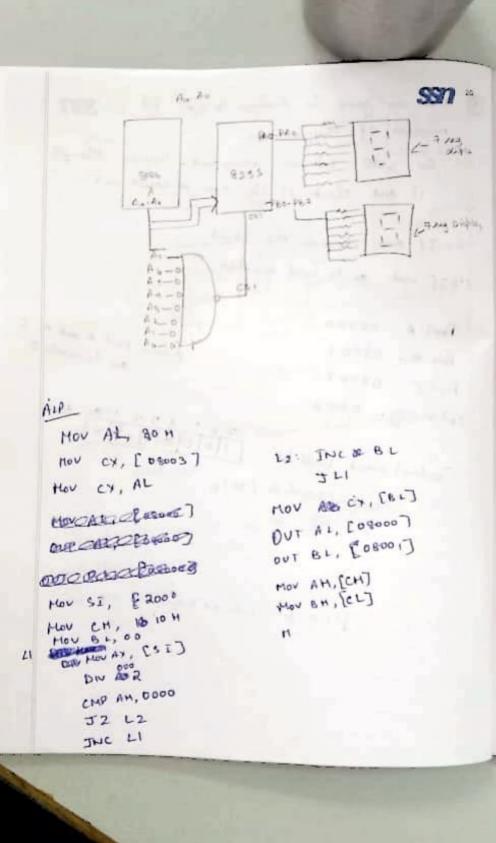
10 Ix in the index synter

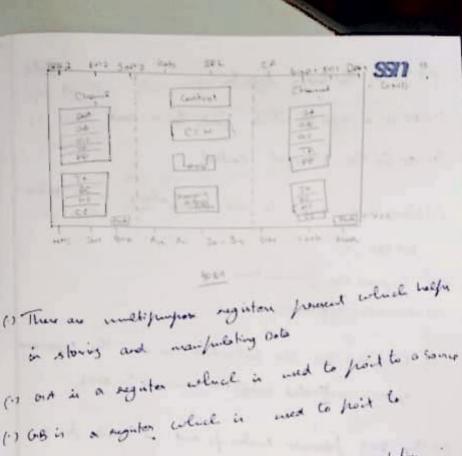
- () He is a register which point to a rank
 - (1) cc in the channel control
 - (.) When we want to me 8026 along with 8089
- () Increase the June time
- () in crease effectioning
 - (1) Every time an Ito instruction comes, the coprocessor good in activated using our command in 8081
- 10 The goes procure waker up and it wale for a request
- (1) Once the segunt arrives, 2004 felchen the segment and homen: +
 - (1) Once it profound the sequent, it rende a signer to evake up the main foremen.

1 we are going to Analyze 16 eight bit 5517 numbers : f they are even So well take an array and travers through it and clock if its even on coast well (, If even increase the count (1) If not go to rend number Arran Port & aid A. C Bort 4 DE000 are in mode D Port B: 08001 Port C = 0800 2 ental reg. 08003 10000000x Control word will be (80) H control word is - 19 Tal Tal P.T. o for code and Diagram

15 To sader to change Harry rapped I to To respect I to the Values of Jone A. A. a should be charged from a 20 bit to 10 bit

gunclinique with same clock, sendy and and pin (1) The Ra | GT can be used to goe 9h Bu moster ark tray (1) The 3029 states control of Bures when suggest is granted.



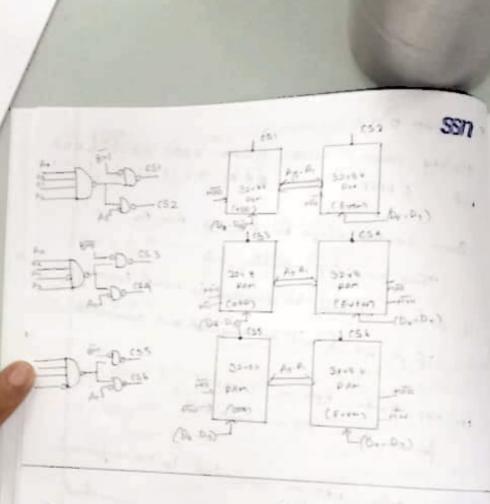


() be in a register which pouts to a translation table

() TP is a the Tark proude

() PP in the pometo pomber

10 Come All this time, some word be calle, SSM " It will be executing it sore tout water in parelle 1) then when the sees in done, does waite and gets the output from 3089. 2025 QN B.P. Illiney



I masm code for soon addition

Assume Code Segment CS Data Segment OS

Code Segment DS

N Daw 10-21

y Daw 12-13

Em segment

Value stored in SST (1) Then we 3T(0) to sux toto flay 图: Sadd ST(1) TOTAL gum = ST(0) = x+1/. Part.C @ 3089 in an so pin microprocessor which Can be used to facilitate 310 operation (.) When a cou has to perform an I to operation it has to stop ass the enewting operations and do To 12 Intend of that we we an additional which taker of Thoop, so that in the mean time the main process can continue it Encution.

For PAH 3 A 4 0000 0000 0000 0000 6601 1111 1111 1111 1110 glating : E0000 1110 End Effit Barre common clips are Air, Air, Air, Air there are clip relection buts If A: is I it will be consoled to mano in wind if A , is it will be negled and consided. For odd Barber, BAE in consider for even Bento Ao in Come Hod For pore, only tien is consisted to the conferment But find pan for MED and the are conveiled (-) All the conferente share the same Date Bur. (Do-D+) for even Dally and (De-Do) for odd Banks

Mode 1 Handstake Copyaliti (.. Port A and But & are construed " to be a redeficient injut or output pronts 1. 2 Bits of Port c in allocated to each Port A and Port B for harderbuiling (-> The remaining 2 buts of a can be und for I of (.) In this mode value of Part of in control word be und can be dent can betain they will be undertake Mode 2 Bidactioner Operations (.) Port A and B are animed to be 2 Independent TIO ports (.2 5 bits of c in allocated to A for Administrate (.) & bits of c can be ned by Port & for hardshalo on even can be und as I to pront (1) Port A Can be und for an both input and output Port Heat can be in Port A, Port B, Port C Hode Port A, Port B 1 Port A. 2

- Buy Por of ever
 - () When goes in down with the exembion of an interview, it makes its Bury Pur active high

This will make the Test for describerates the

- (B) MOV AL. 20

 ADDOUT CONTINE ESS. AL 30

 MOV AL, OFF

 PLOV AL, OFF

 PLOV AL, OFF

 DUT CONTINE ESS. AL 30

 DUT CONTINE ESS. AL 30
 - So after executing snipped i, all the porte well to need the needled and will be copied practa

After maket two. Port cuill be anigned value

But again after the less supplet 3, the horte area nestelled and c well be set to engle Port

Final Status Air C will Payed Port

Cloudy lengths tong

Coprocess both work for the same cle peser.

- () Ba Both than procured and copreced further felch them own further and encute
- () Both forcuses we the Lame adden and date Bus

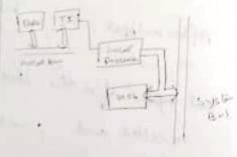
honey conjust

be at b

the commence have then

fetch than produced from the reprective Burns and create and finally where the same system.

Bus with main Process



To set PC7 : Pur ar 111 Control word . Oxxxx x 11111 Value = (OF) The Ovs controller on Manimum mode in supposible In Han Mode Status pur Sp. 3., 52 will provide the necessary values to furction. S. S. S. THIA 310 Pand 0 10 110 wash neared my felch 100 How west Pund 001 new winds 110 111 Pauve The Bus controller in regrowible to produce ALE and DEN Only when OEN in active how, Date can be written of sead.

(