IPme	delay	Calculation.

for Example

MUIC, FFH

->7T.

Loop DCR C

when C=0 Ham DT Twhen Cf O Hun TT.

JNZ Loop

10/1T

This Loop will Esercute Ontil value of claccours

Zero.

Today = To + TL

To = delay outside the loop.

TL = delay of the Loop.

TL = (TIL × N) - 3)T

Ly

TStatus Inside

TStatus Inside

· volny -3? lecauser Pn JNZ total Do. & T-States Required Cului C = 0 Hum 10 & where C to them 7T States are Senger So -3 for the Gop.

· That means loop will be ruing for 255 himes.

· Outside Loop is only I estruction.

Hun TO = 7 T States

TIL = 147 Status

TL = ((14 x 255)-3) = 3567T

Suppose 
$$F = 2MH_3$$

$$F = 1 = 0.5 \text{ MS}$$

$$1MH_3 = 10^{-6}$$

Total time required is = 1787MS. for Executing this? Second.

- (1) Now we can see we have taken more. passible value FF. Then also we are getting only 17.87 pas
- If we want to calculate time delay in case of fine. Single Register then we use highester bain

Pelay Using a Register Pair - 0001

Note: DCX instruction does not affect ZF. A = FF

LXIB, 100001.10.T

LOD TO = 10 T

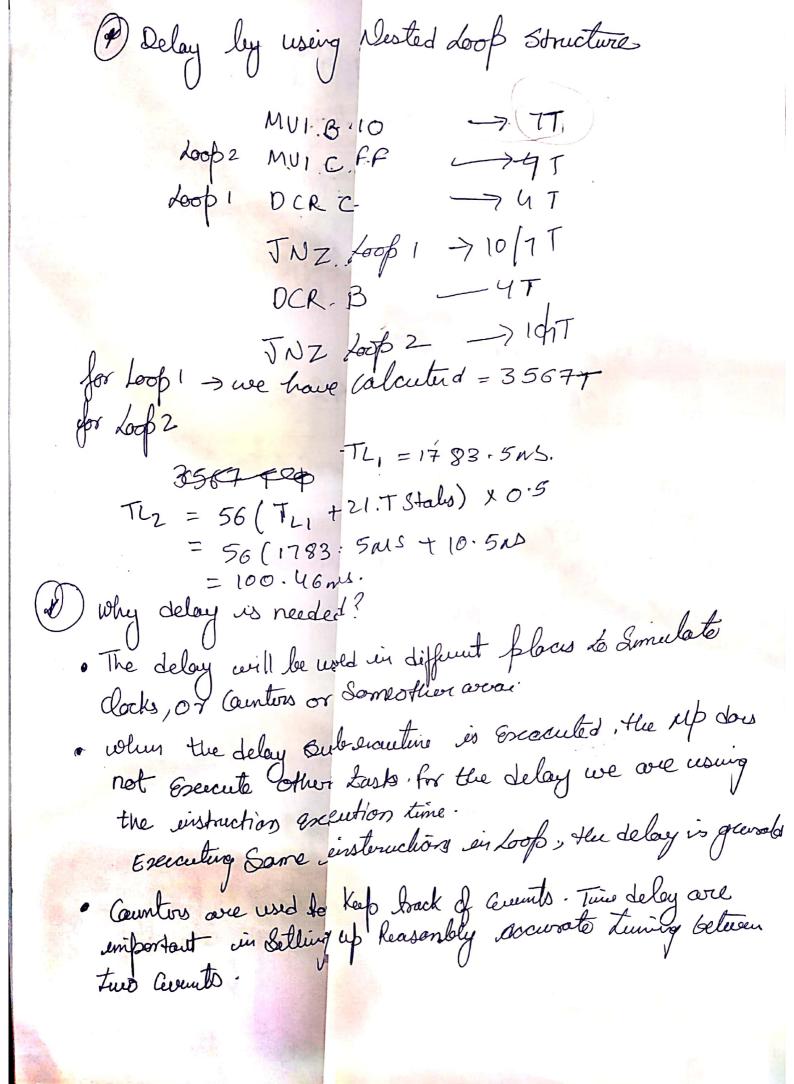
MOU A, C > 4. T 2001 0 = 98301T

TNZ Loop 3Z 10T

TNZ Loop 3Z 10T

AC= D, (Y=0)

To = 0001111 (A=0F)



The don't go we man high thing.

The don't go we man high is fleth

The dosp will goon "hyputhing.

ORA B = 0 FF.

ORA B = 0 FF.

To = 10 T

To = 10 T

The = 24 x 4096) - 3) T = 9830 1 T

The = 24 x 4096) - 3) T = 9830 1 T

The = 298311 x 05 =

(1) Arithmetic & Agaic Operations (7) drithmetic and dravic quadries.

Case by projected andorta Can not be projected or date. 6 Nemery Course Signals ( Special Orbert Signals brush Englas ( Tok) Town) (5) memory Instruction are used (5) special Instructions are lie In, as Care the fourforth ondorth Can not be perfored of data. A A A A Control each latis Sloved in a munusy becalion, , and this access of munusy done Dr. Aiff. loc (2) Eleit addrasting. . We know the 40 uses had to access date, and lode which are Difforme the I/O Moppes & Monory (4) tan address 256 Locations I/o morphed I/O SX XD (1) 1/0 wheated 1/0 Ly menory illythong that is RAM & ROM As testors Momeny Suttenfeeing. · we can buyonn lead & waspination. Memory Interpress more Decodus Mondormin Regime can coloured 64 K becahan 1/0 heated as memory 16 68 addressing memory mapped I/0

(2) Runimmy address Diel of 8085 are connected to decoder-sectoret of decader is connected to CE'soluich anable menory (dip. ) yourse control Dignal. It will enable output byfur. 10 Determine 8085 address line which are Convided to the memory clip by using formula advocations. WR -> Data is coming My to memory 8 > 8ize of Register Cach
8 > 8ize of Register Cach
graup of Registers = Numory memory Capacity. (2) Have to interfere to with neway · Erasable Prograble Mewory A<sub>0</sub>-A<sub>11</sub> = Heste × 1024 Sign Keguster > 8 6:+ }

