

# Amscier to the a - 02(1)

中心

MOV AL, 10 H

MOV BL, 02 H

MOV CL, EF H

SAR BL, 02

ADD BLEL

SHR AL,02

Rel el, 02

Som: AL - 10 H

- 1111 0000

BL = 02 H

- 0000 0010

CL = EFH

= 1110 1111

SAR BL,02

A- 196

10 - 100 1

A = 1460

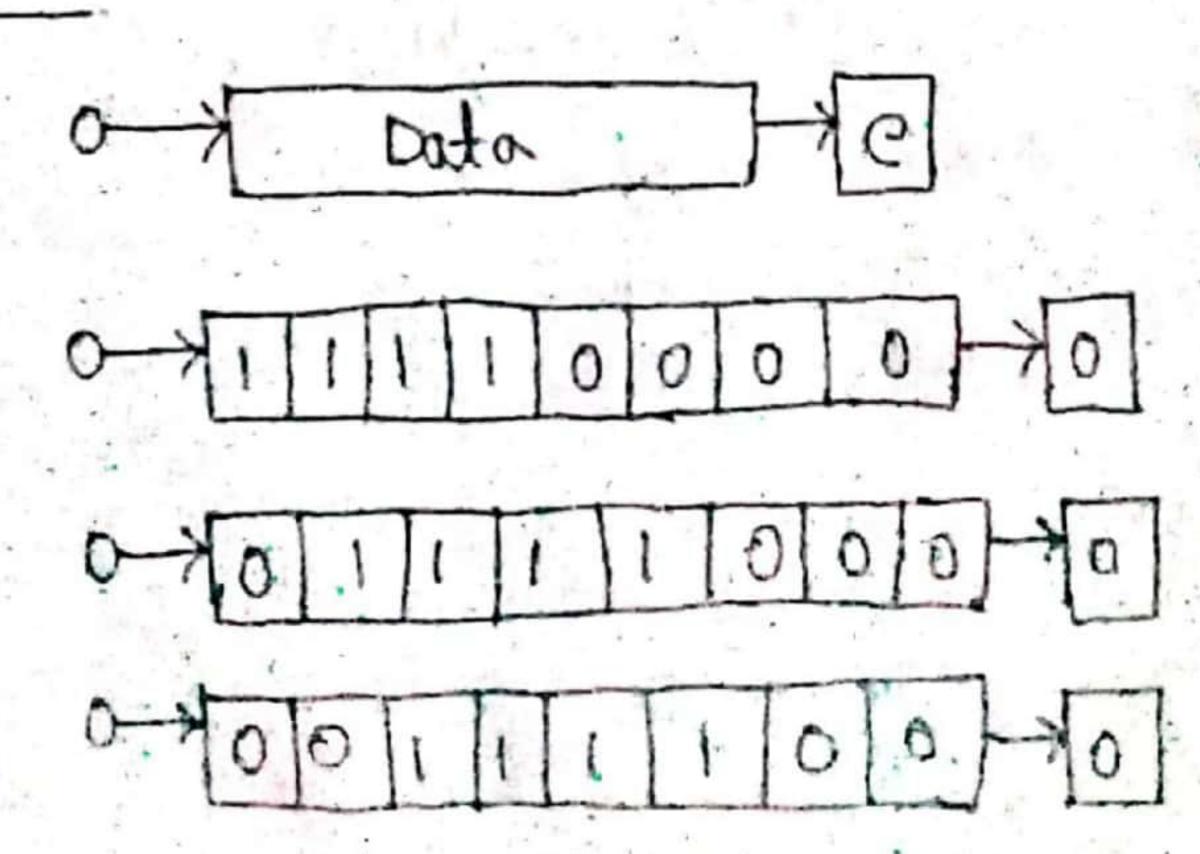
10 2 3 15 5

是 # \$1750

# 40000000

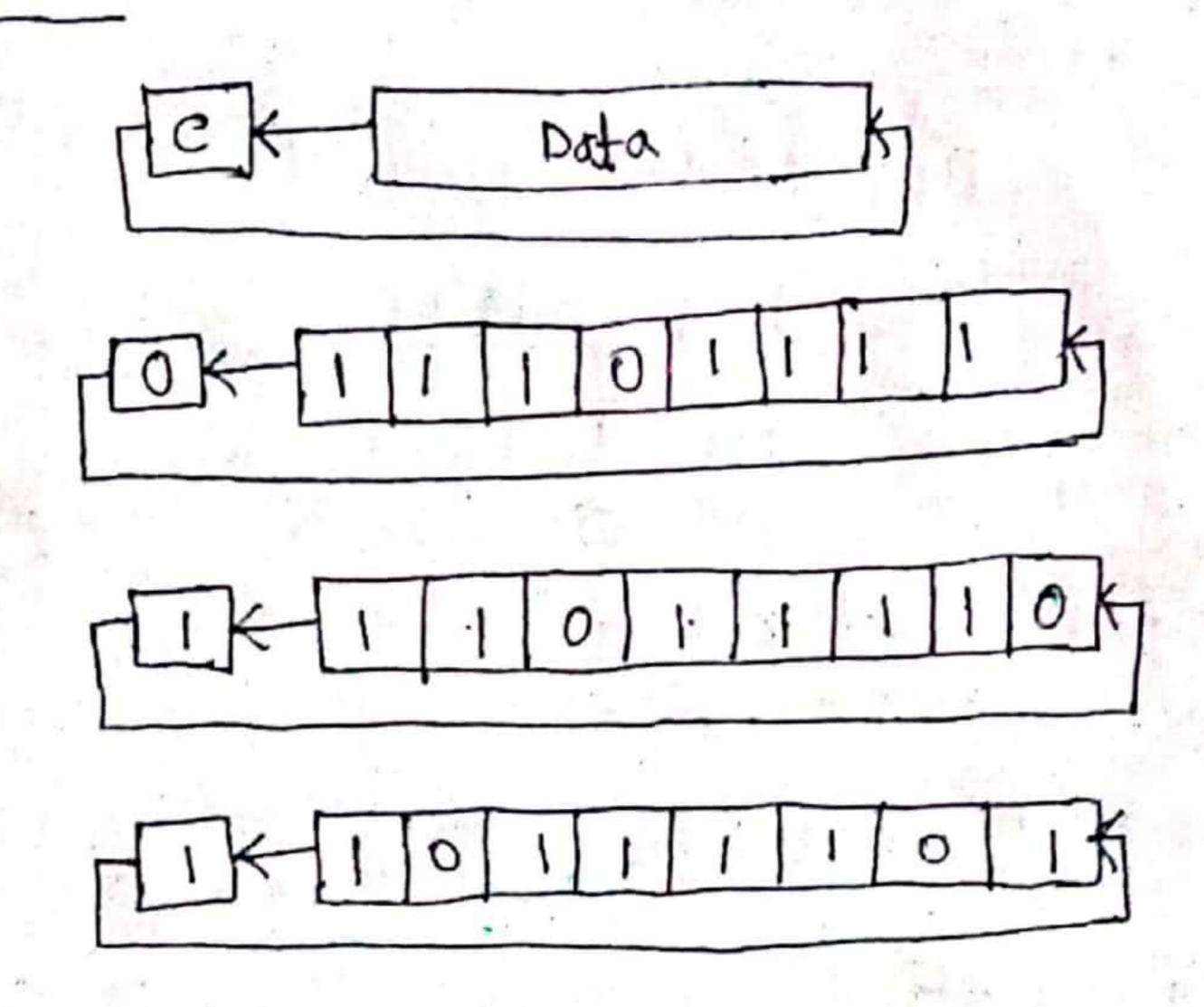
# ADD BL, CL

#### SHR AL,02



# AL= 0011 1100

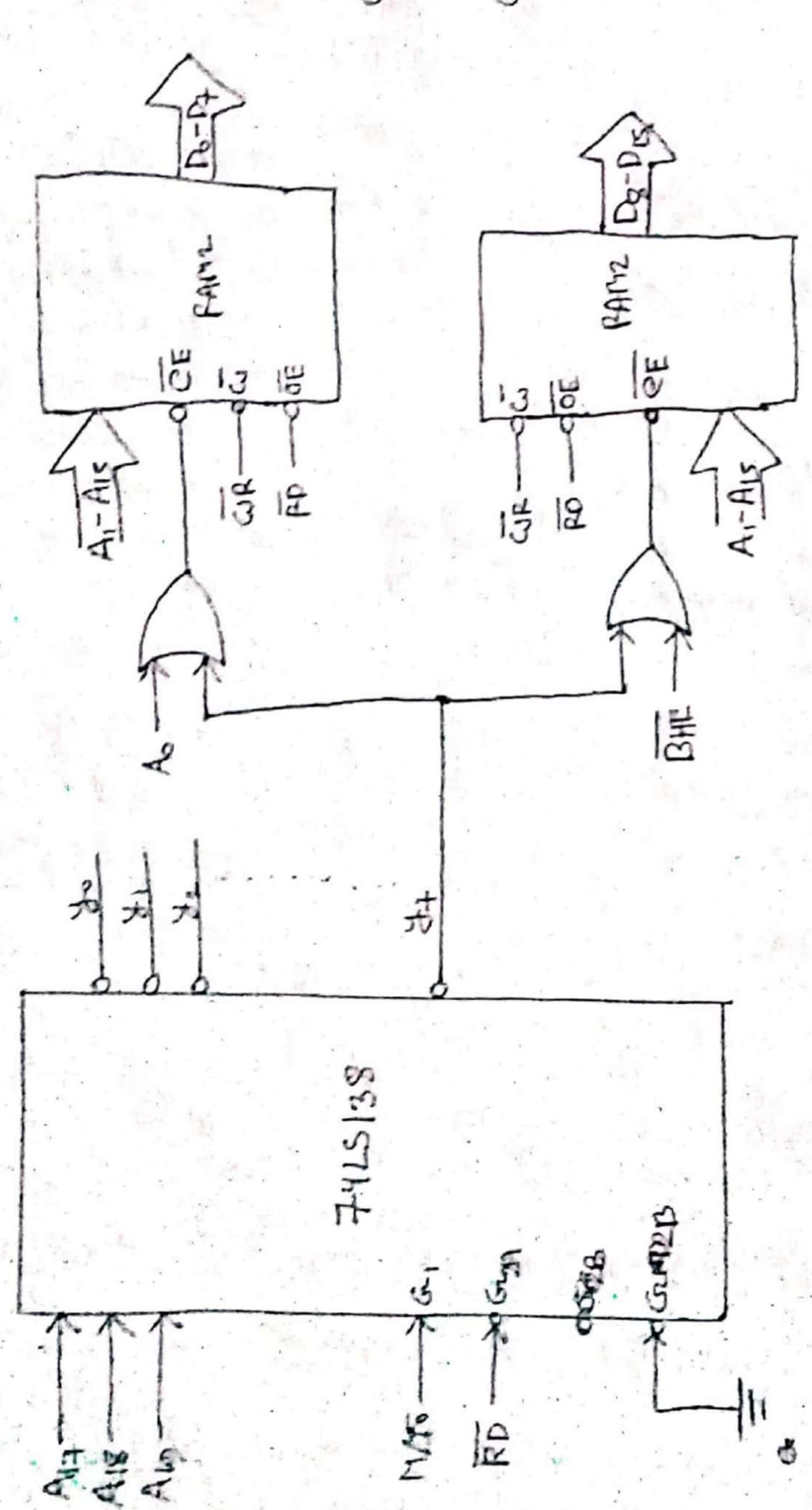
# Rel CL,02



Flogs!- 
$$e \rightarrow 1$$
  $P \rightarrow 1$   $A \rightarrow 0$   $S \rightarrow 1$   $Z \rightarrow 0$   $0 \rightarrow 0$ 

Answer to the & no-04 (6)

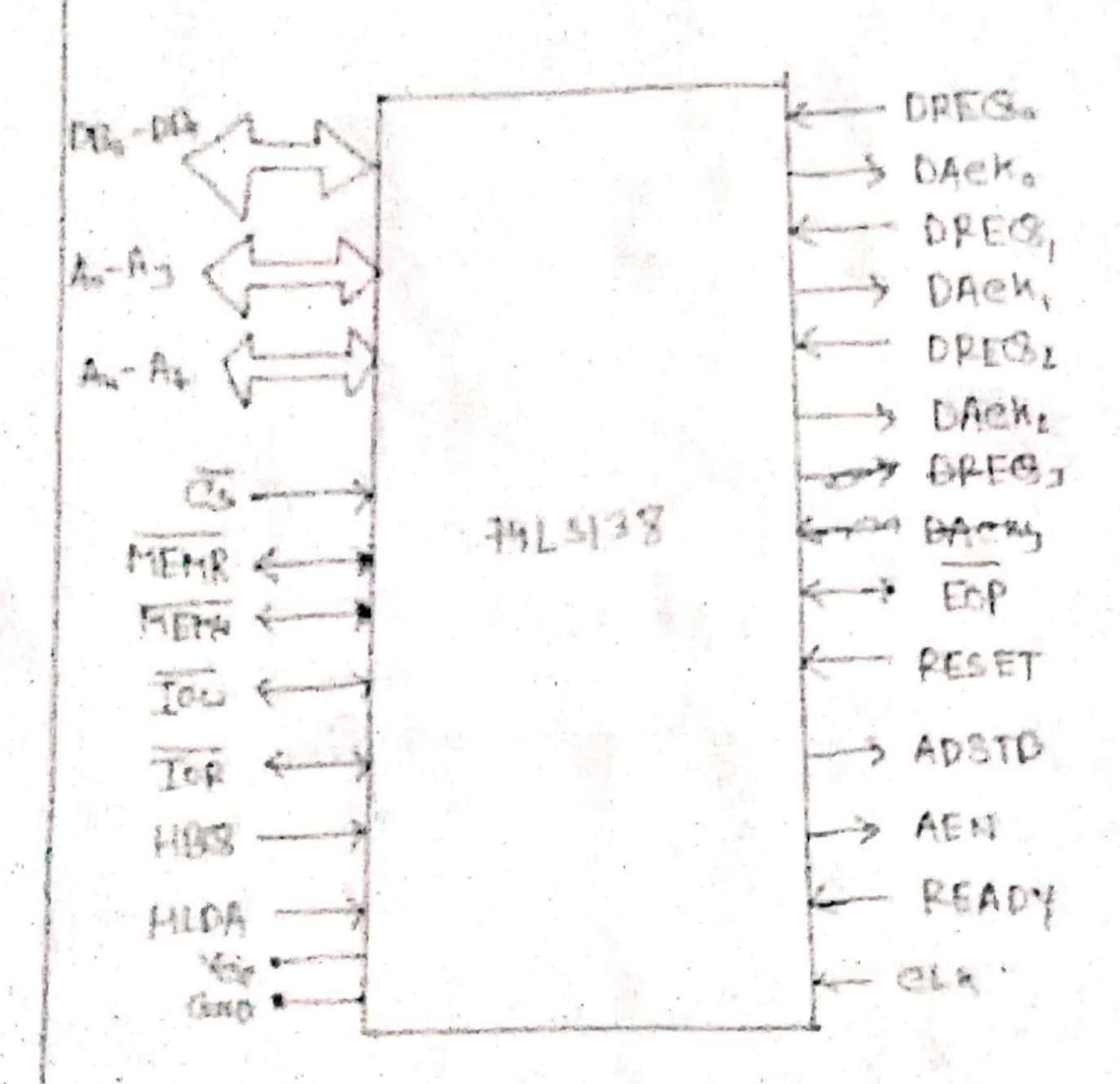
RAM Address decoding using 7418138. Microfrocesson.



Scanned with Camscanner

#### Annuary In the Conner of the

Ding Controller to Outras.



# Distriction

As-Azi Thomas one of the in the case side.

As-Azi Thomas data theoreter for the side.

As-Azi Thomas also of the in the historic-foliar

ES -> Ebscade style.

MEMP -> Memory Pead. It had to tomster data down Memory to I/o device.

MEMW > Memory wolfe. It had strongler data
from Ilo device to memory.

Tow > Inderrupt coalte. It had townster data
from memory to I/o device.

TOP -> Indescript Read. It had townster data
from I/o device to menory.

# Amscier do the gno- 05 (a)

Difference between Computer and Microcontroller a other below.

Combrifes	Micro-Conbrober
1. Contains CPU	1. Comhains CPU.
2. It has RAM	2. It hars SRAM.
3. It has sevial	3. It has only
and Brobbel Port.	Serial Bort.
4. Compains Rom.	4. Compains EPROM.
5. An Andried device and visions dyres of	5. Only antonia
file. 6 It God high Reson	6. H. Out Jan Projes

Scanned with CamScanner

# Amswer to the 3mo-01(a)

Difference between 80186 and 8086 micro-Brocessor.

### Intel 8086

- y year of introduction 19978.
- -> 16 bit Mp
- -) Data Bus width of 8086 is 16- lif.
- -> 1 MB moda Memost.
- -> upons clock cycle time.
- -> Other interrupt include more reglister and attitional instructions.

### Fatel 80186

- > year of indoodnotten 1982
  - -> 16-bit of Mp upgrated version of 8086.
- 1 MB Main Memory.
  - -> Contained special Hardwise like Brogonmubble Contained special Hardwise like Brogonmubble Controller etc.
  - > Never used in the Pe

#### Answer to the ano- 02 (a)

Segment reglister:

- the code wed by a Mp.
- Os (dota segment): a section of memory that contains most data used by a Program.
- → ES (Extra Segmant): an additional data segment
  that Is used by some of string instruction
  to hold.

  → SS (Stock segmant): desires the area of
- menony used for the stack.

Scanned with CamScanner