## CSE 331/1-18/25.04.2824/

ALE = Address Latch Enable

@ in Latch, G = chock Pulse 1 OE = 0, active ALE = Clock Pulse 1 for data make ALE = deactivate

& Buffer:

a= Data Frable pin = DEN = 0 for enable DIR = Duta tranvier = DT/R / Receive microprocesson microprocesson

will transfer

- Address is generated by ALV, that's why there is no incomming address data.
- How many buffer and latches IC used and why? describe. 888
- Draw the simplified diagram of fully buffered 8086 & 8088.

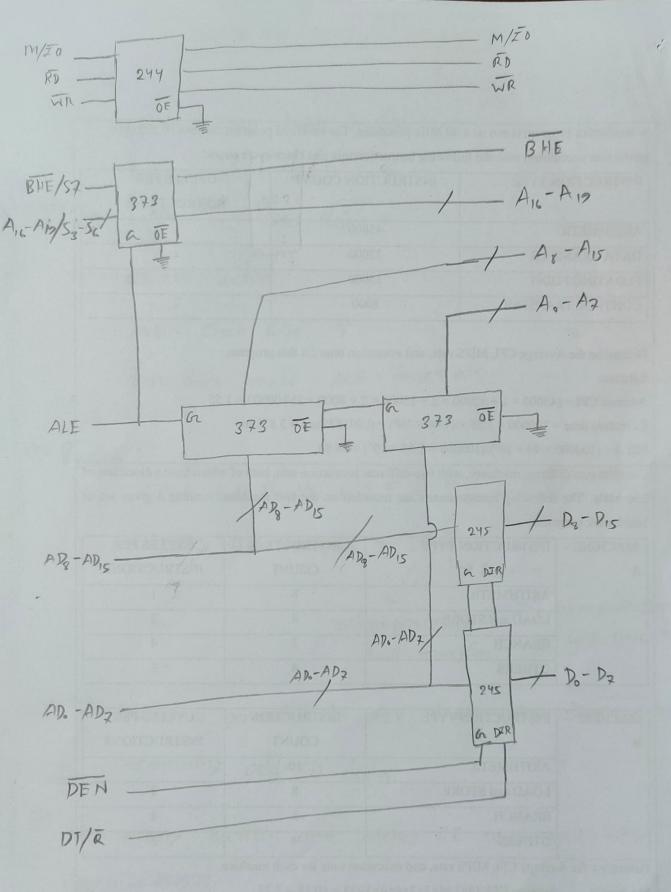
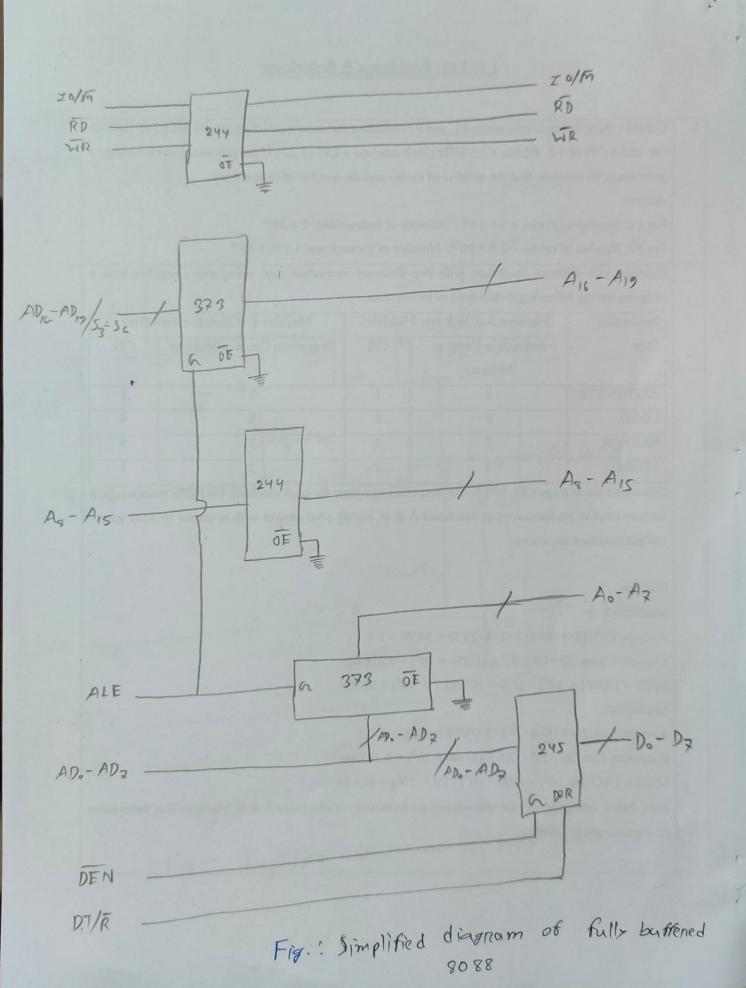


Fig.: Simplified diagram of fully buffered 8086



- => Clock Generator ZC
- => Three output
  - Reset
  - Ready

EFI = Enterinal Priequency input

Reset Block:

De clock Block!

\* Ready Block!

RPY1 = 1

AEN1 = 0

AEN1 = 0

Sync.

Sync.

ASYNC = 1 = 1 = single edge single pulse

30, then p. flip. flop alneads 1

= two edge one pulse

one pulse

8084 2C and explain.

Draw simplified write and read bus cycle for 8086/8888 and explain in brief. \*\*\*

164 > Shirt Registen

Tw = 2-7 => 200- 1400 ns man wait

NAND=0; CLR =) activate, all pin 0 0000000 NAND=1; elR = Deactivate 100000 Pen CLK 1111111

OR = 0; Ready = 0

OR = 1; Ready = 1

Wait state generation timing of the cincuit.

> Draw & Emplain in bruief about input and output.

How sup output changing.