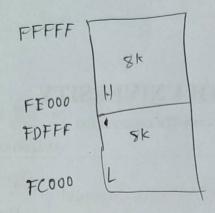
## CSE 331/L-20/02.05.2024/

Ze 138 > D-MUX for interacing RAM

PLA => Programable Logic Array

As used for even on odd.



Ao - A12 > Alneady used

Configure Given, find out the address limit configure address limit on according to address limit configure the circuit.

Configuration may change in mun output on mun enable and input pin.

PLA = 16 LA

Fon LED, 0 = 0n 1 = 0ff

Dot = Fined Cross = Programable

PROM ⇒ AND fixed

OR Programable

PAL => AND Programable

OR fined

PLA => Both Programable => No Limitation

\*

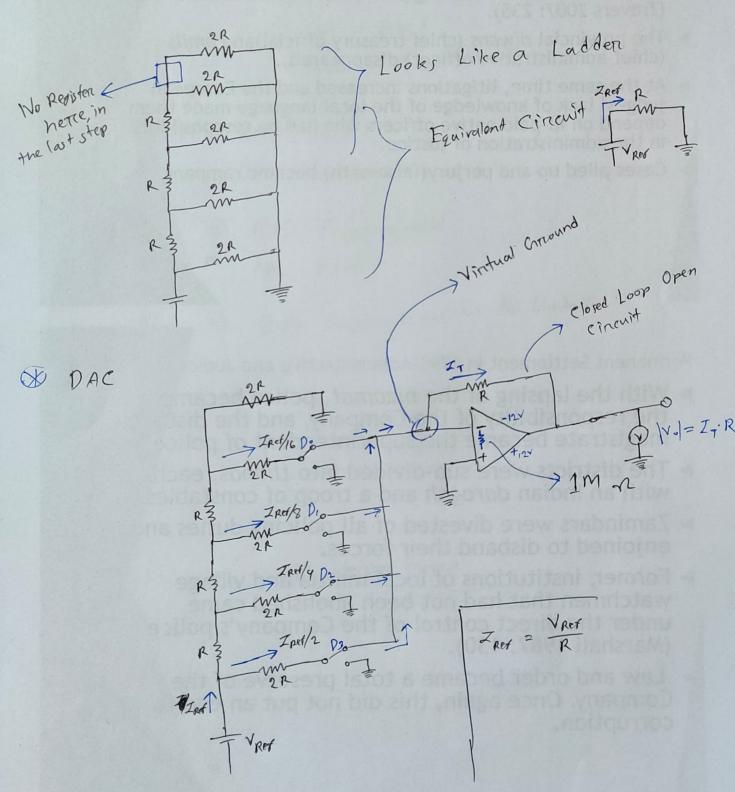
2-21/04.05.2029

Midferm Fram

## CSE 331/L-22/09.05.2024/

\* DAC > Digital to Analogue Conventer.

@ R-2R Ladden Cincuit



Dets say, Digital Input, total 
$$9x$$

$$p_3 = D_2 = D, = D_0 = 1 \Rightarrow \text{means switch is on}$$

$$I_{T} = \frac{Z_{pef}}{2} + \frac{Z_{pef}}{4} + \frac{Z_{pef}}{9} + \frac{Z_{pef}}{16}$$

$$= \frac{I_{nef}}{18} \left( 8 + 4 + 2 + 1 \right)$$

$$= \frac{V_{nef}}{R \times 16} \left( 8 + 4 + 2 + 1 \right)$$

> Number of digital input, n then, NRO (+124 m)

=) We can extend on reduce

as our wish.

= Vpar. Pr (8+4+2+1)

fon,

$$D_2 D_2 D_1 D_0$$

$$| 1 | 1 | \Rightarrow | V_0 | = \frac{V_{Ref}}{2^4} \cdot \frac{R'}{R} (15)$$

$$0001 \Rightarrow |V_0| = \frac{V_{Ref}}{2^{4}} \cdot \frac{R}{R} (1) \Rightarrow 5 + ep \text{ Size Volt} = (1)$$

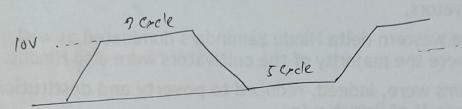
C> Possible when R'= R

Vpef = 16V

=) if Vpet is fined then we can adjust R' & R to make it AV.

To we learn, how to set step up voltage by manipulating the circuit. But in our internal system we can easily do it by changing our Assembly Code.

Duestion Patterni



Write down the code. Usé step up voltage as IV.

> some changes and hint

L1:

CMP AL, OAH
JNL L2

L2: Mov (x, 3 delay by runing a loop

L3! decreasing pand.

1=27

Slide-Page-22

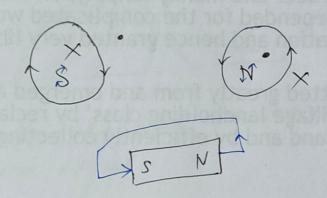
Ly: again delay

JE LI.

3 Steppen Moton

Hene step size = 200° in reality, = 1.80° on close to 1.10°





+ Losses Z

\$ 3.8

for clock-wise = ROL for anti-clock-wise = ROR

mittal value = 54 57 52 5,

mittal value = 54 57 52 5,

policy forward bias 0.74 need

Liev

M

E

MA

policy

Quiz-2 Upto this make-up enam

Nent 18.052024 Online class