

SODA VENDING MACHINE

1. SELECT YOUR DRINK

DRINK 1

DRINK 2

DRINK 3



2. CHOOSE YOUR SIZE

SMALL
₹5

MEDIUM
₹10

LARGE
₹15



NOT AVAILABLE



DISPENSE

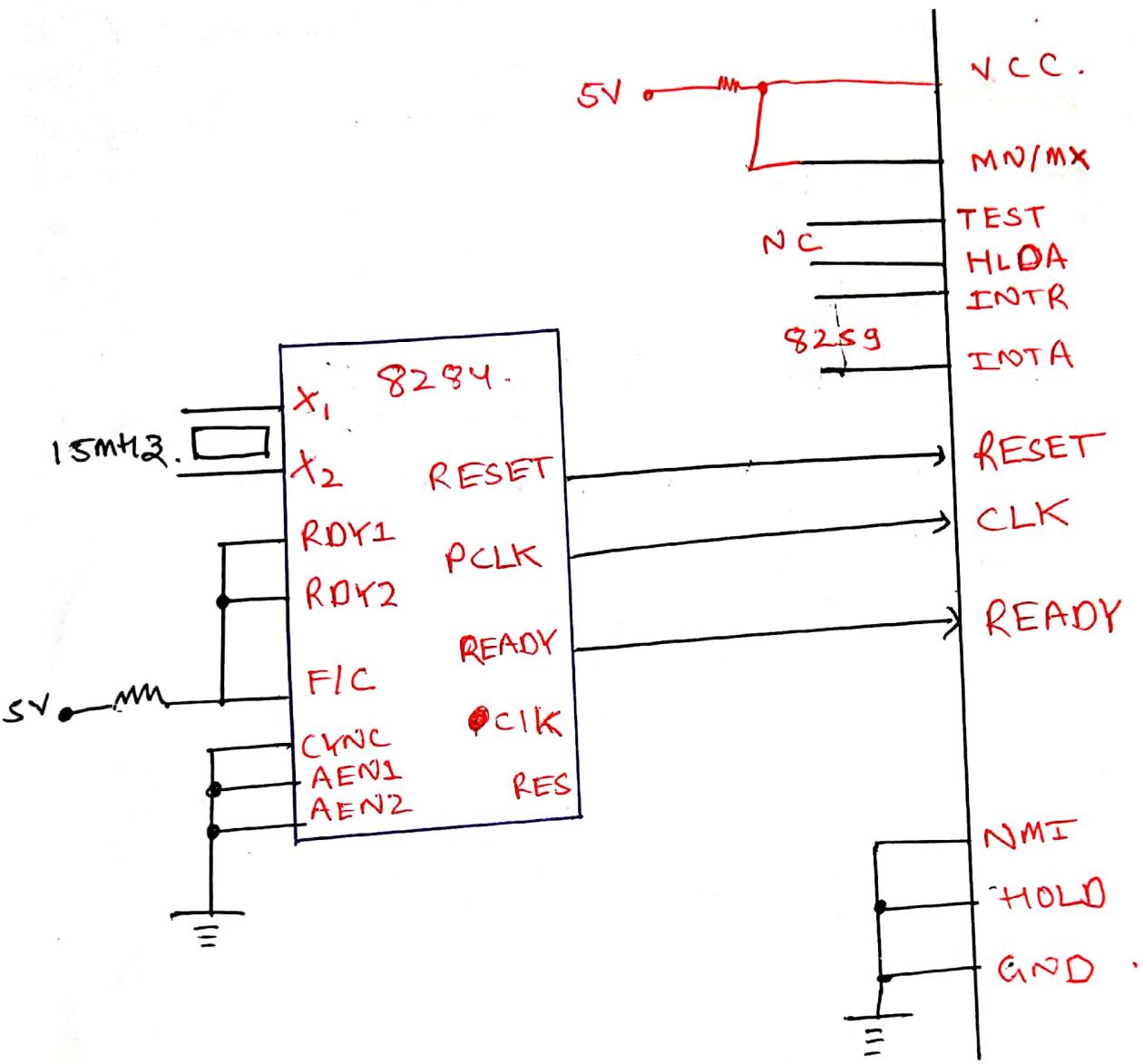


INSERT COINS
(₹5 COINS ONLY)

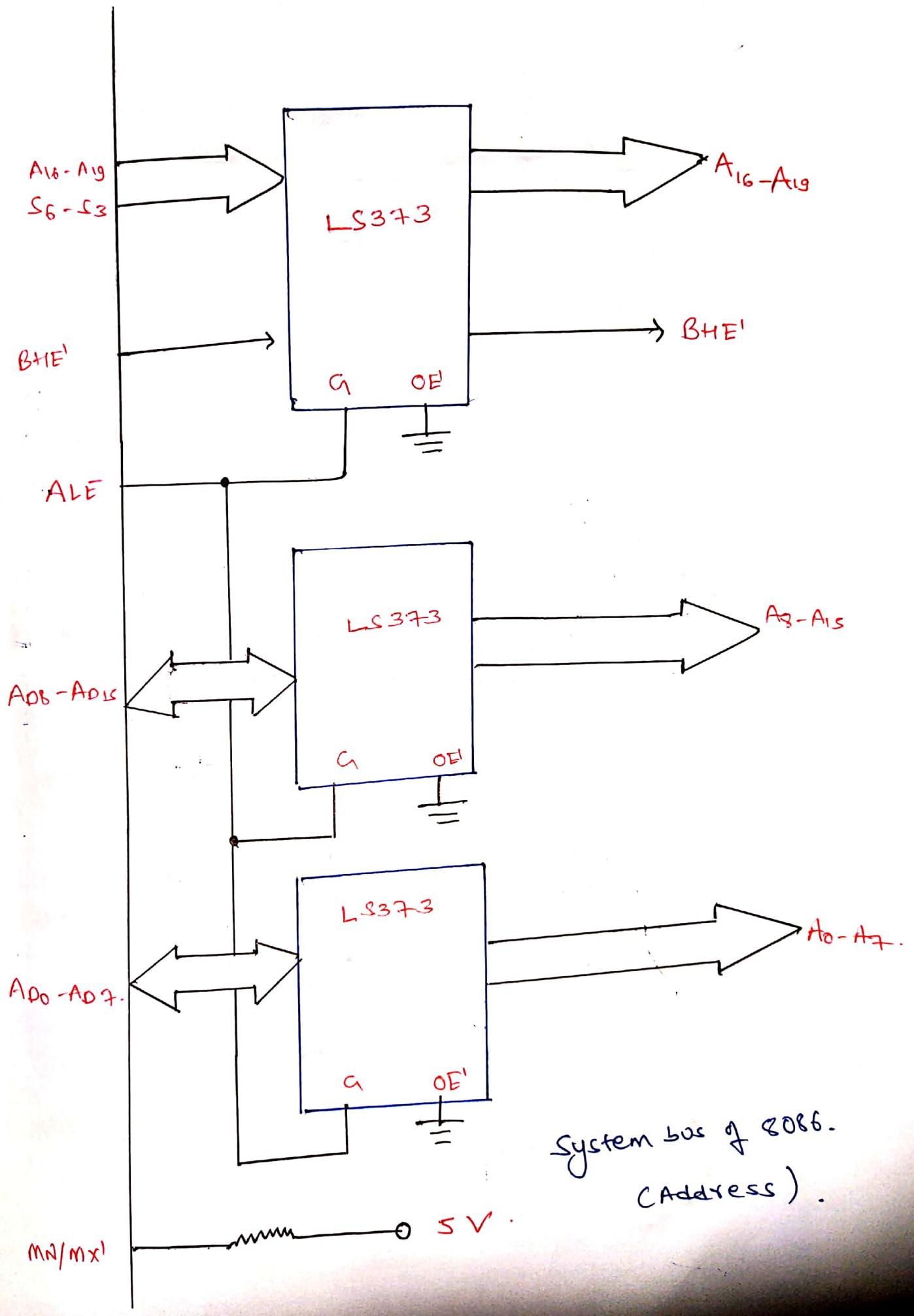
DRINK 1

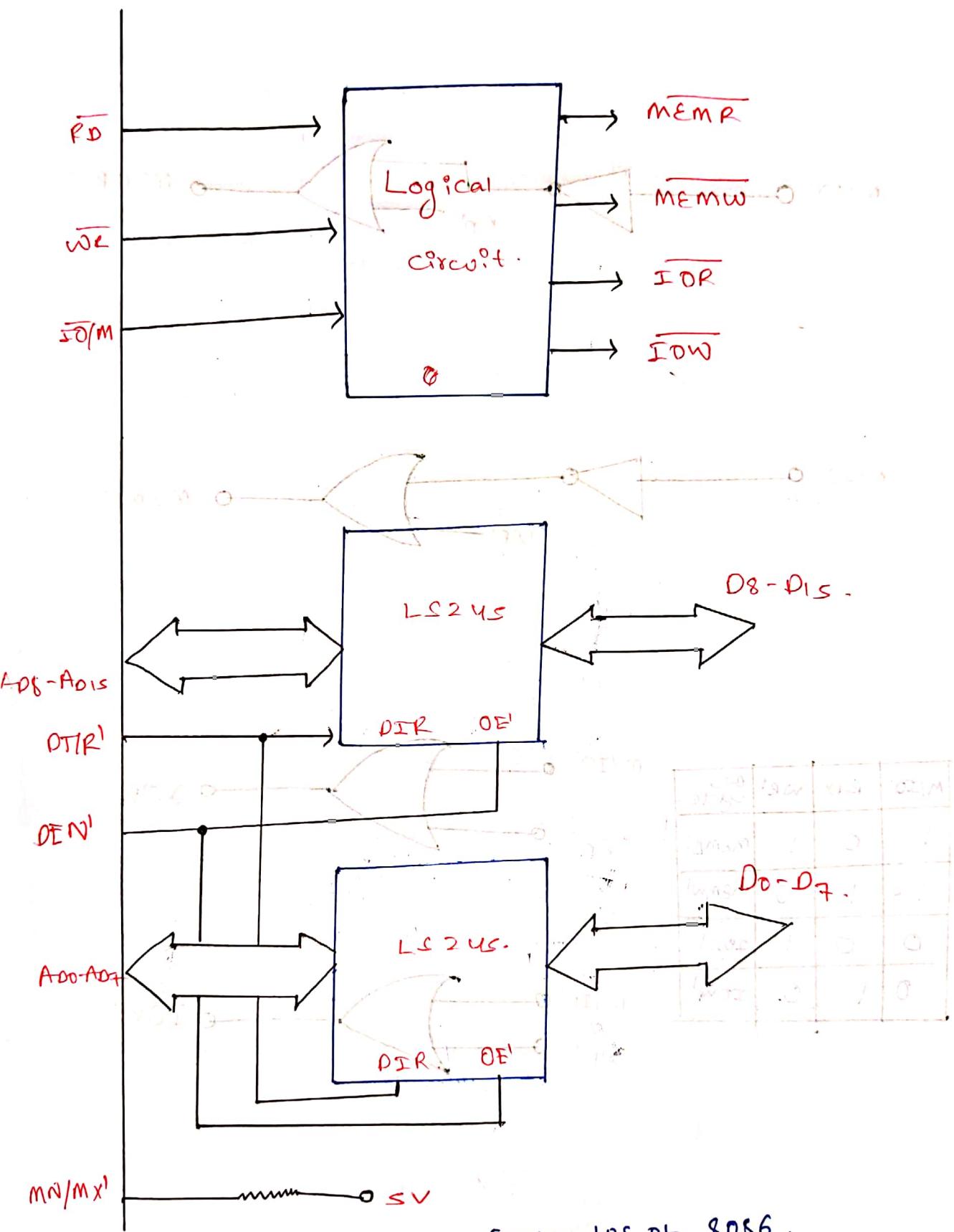
DRINK 2

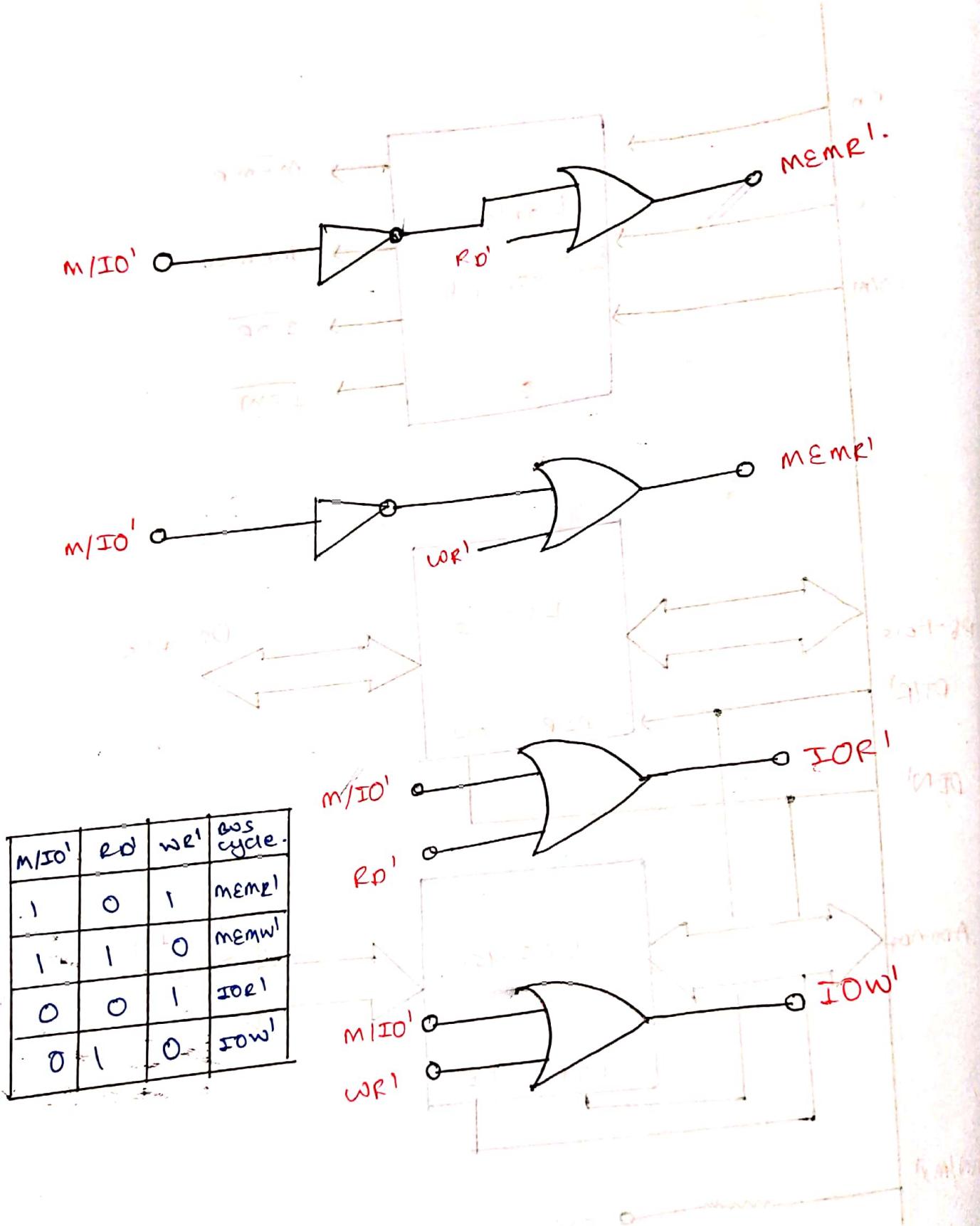
DRINK 3



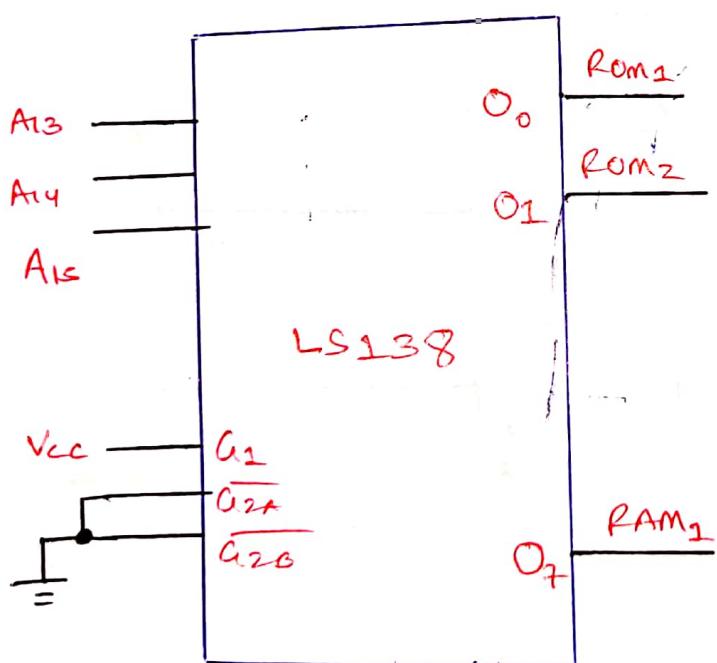
8086 INPUTS



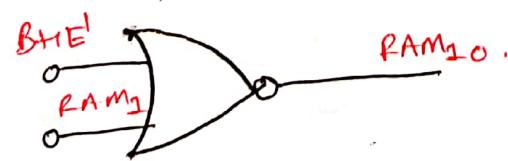
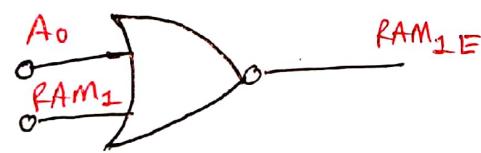
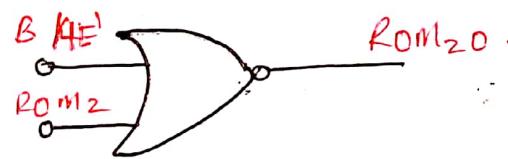
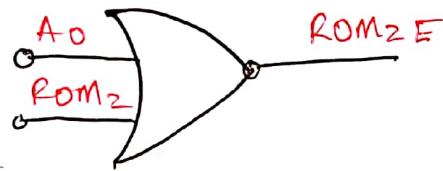
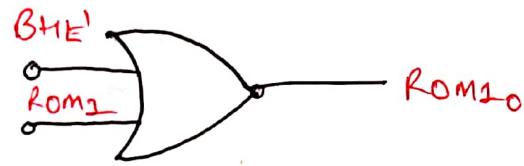
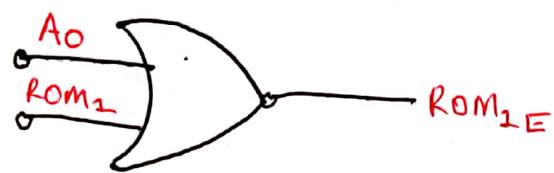




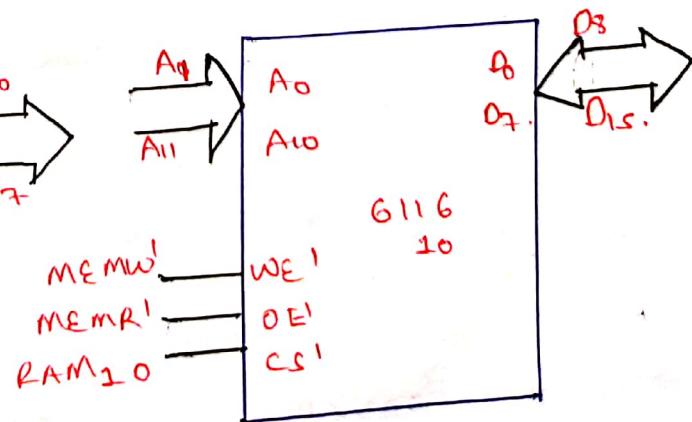
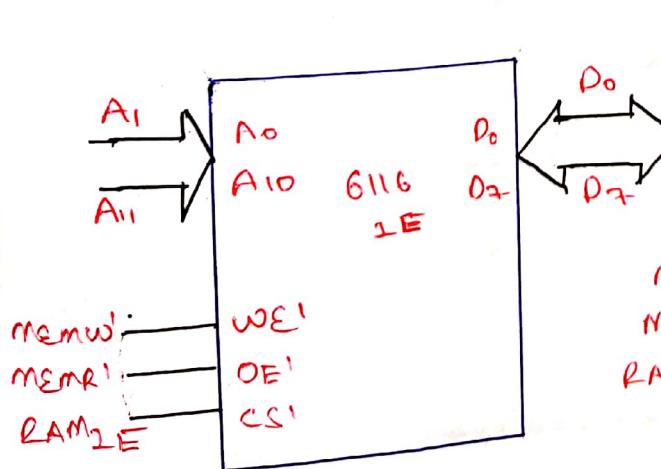
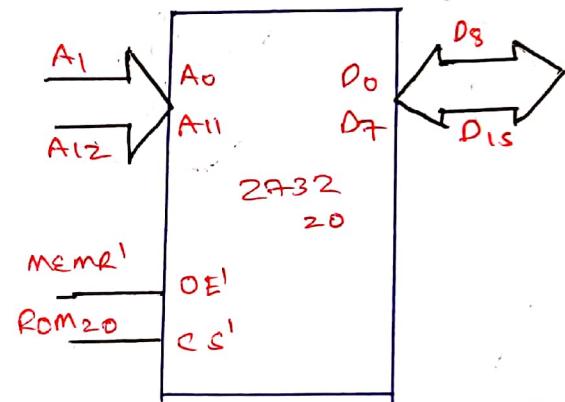
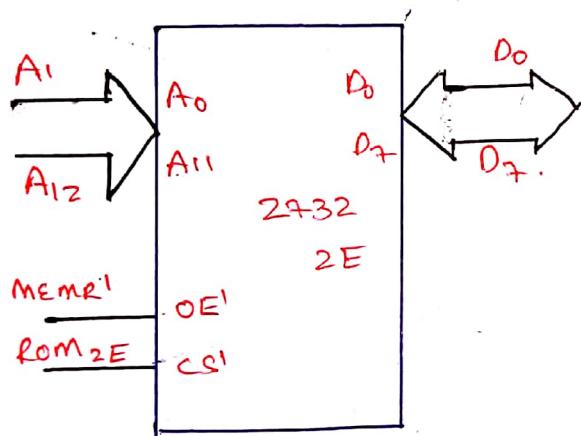
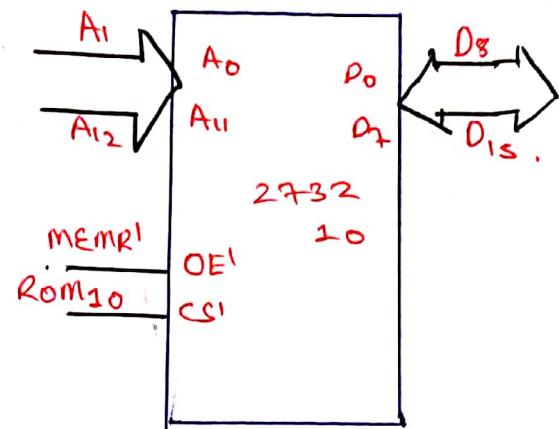
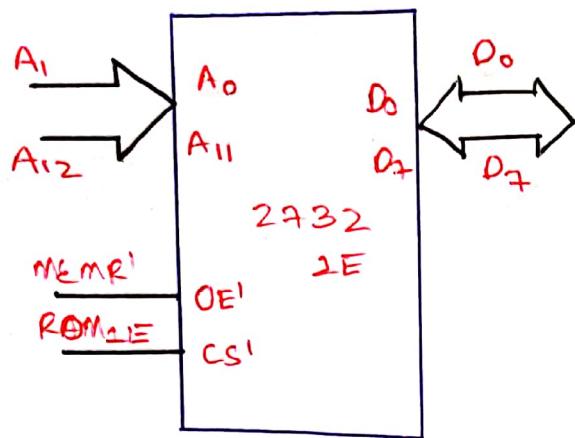
Logical circuit.



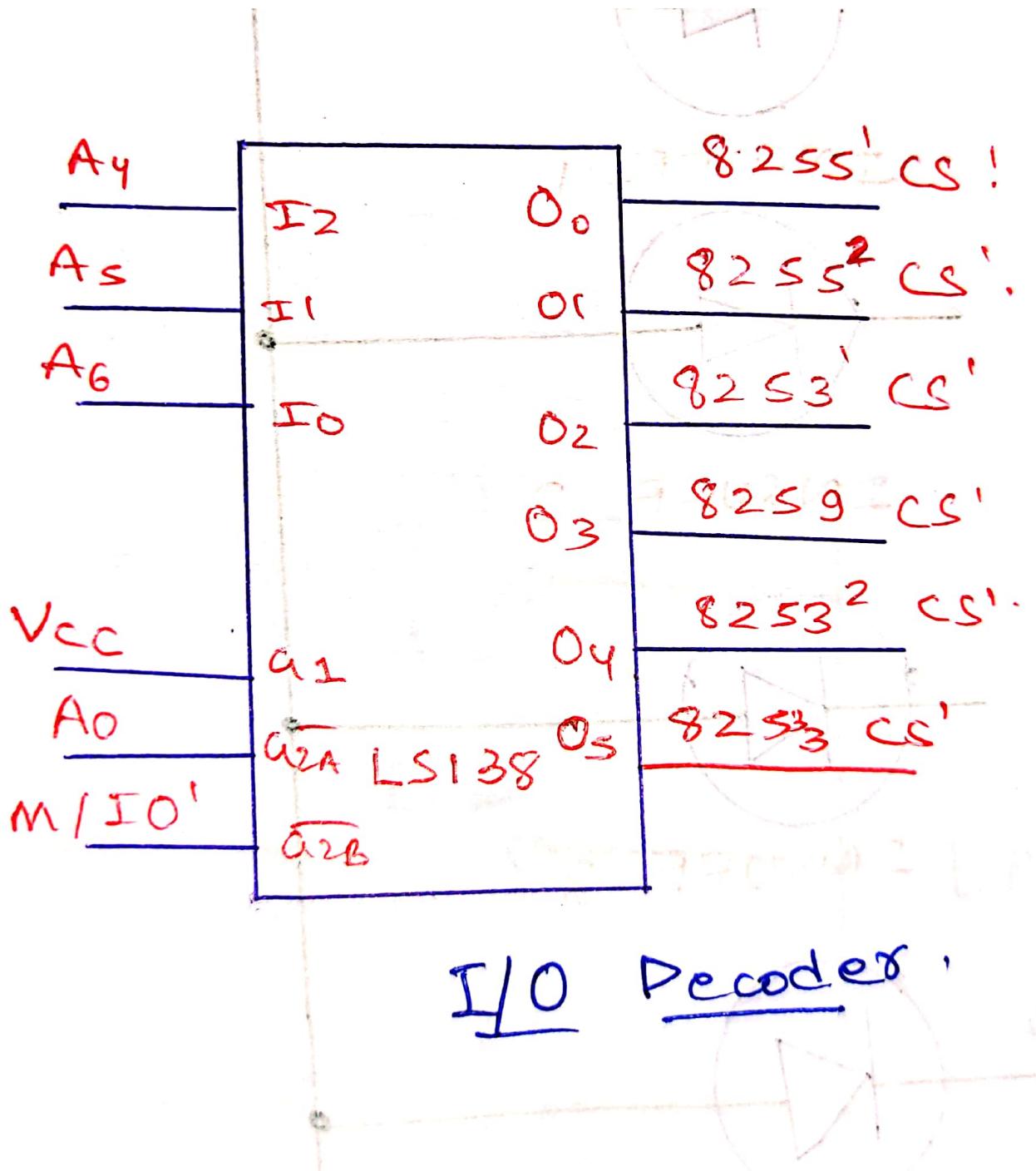
MEMORY DECODER.

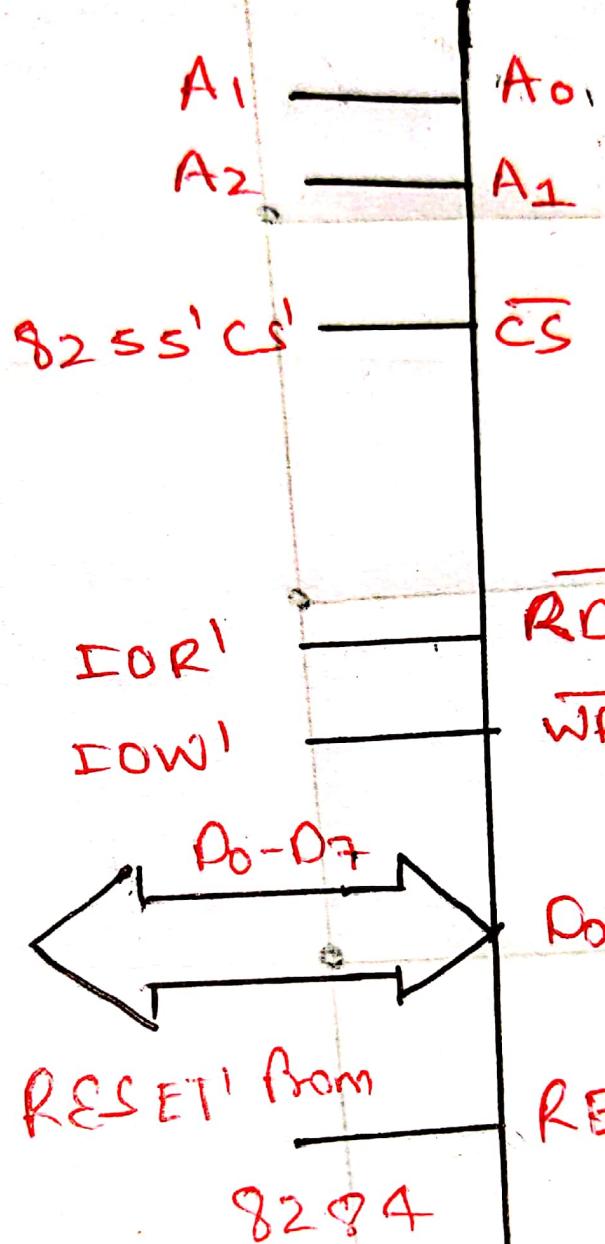


Decoding logic for I^MEM INTERFACE

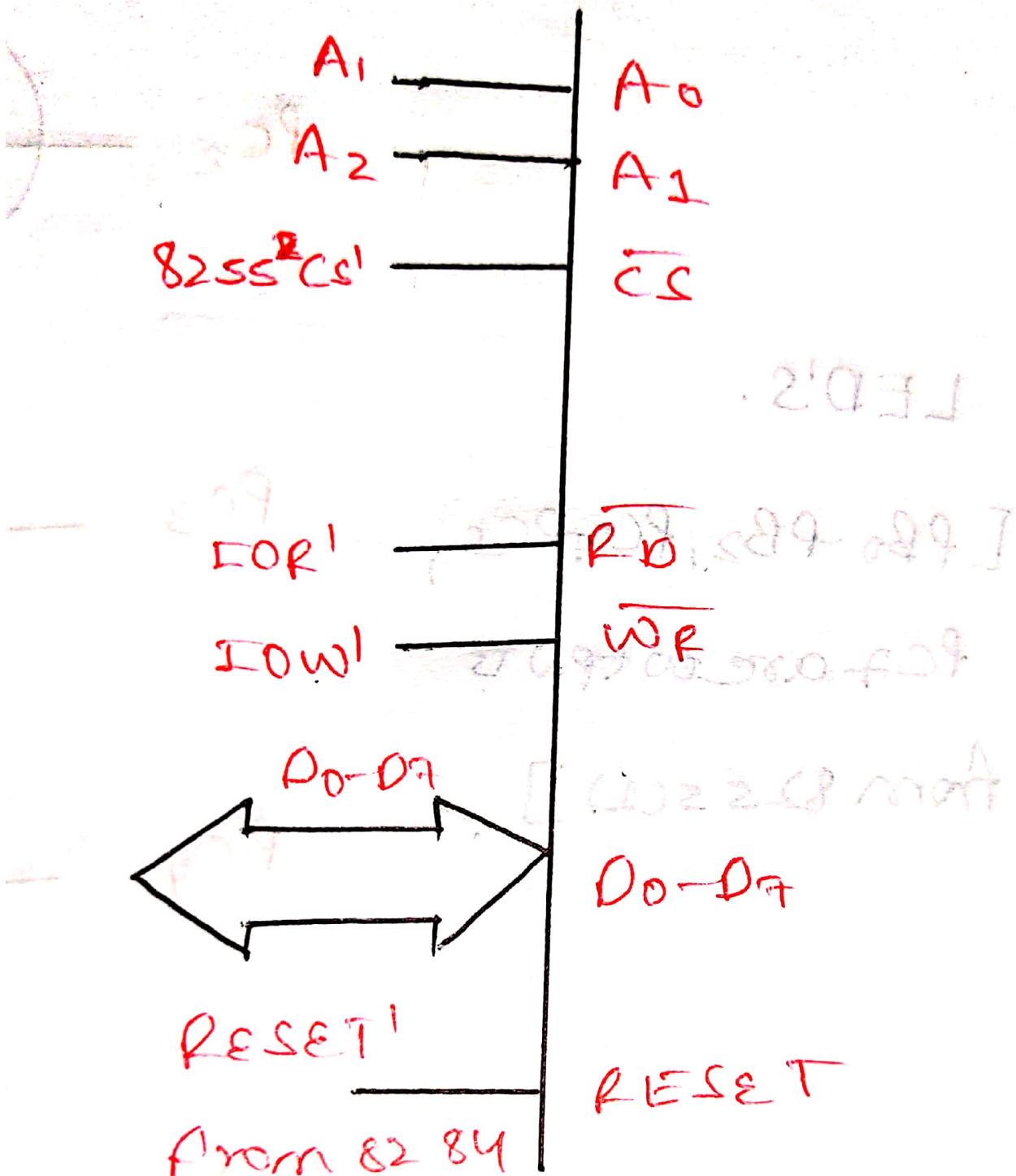


Memory interfacing.

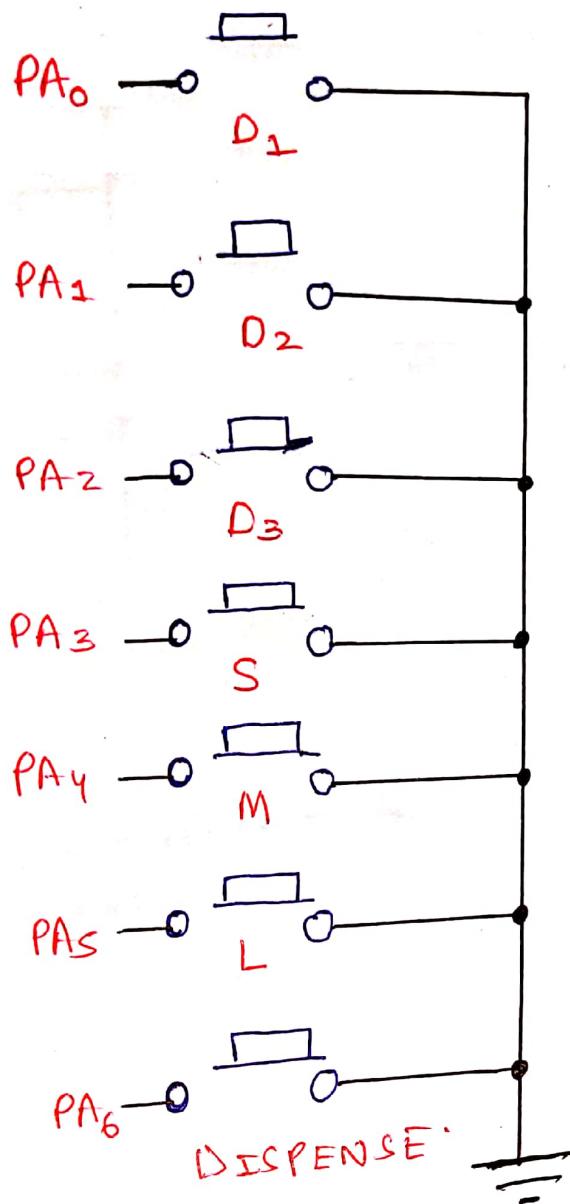




8255C1 Interface to
the processor.

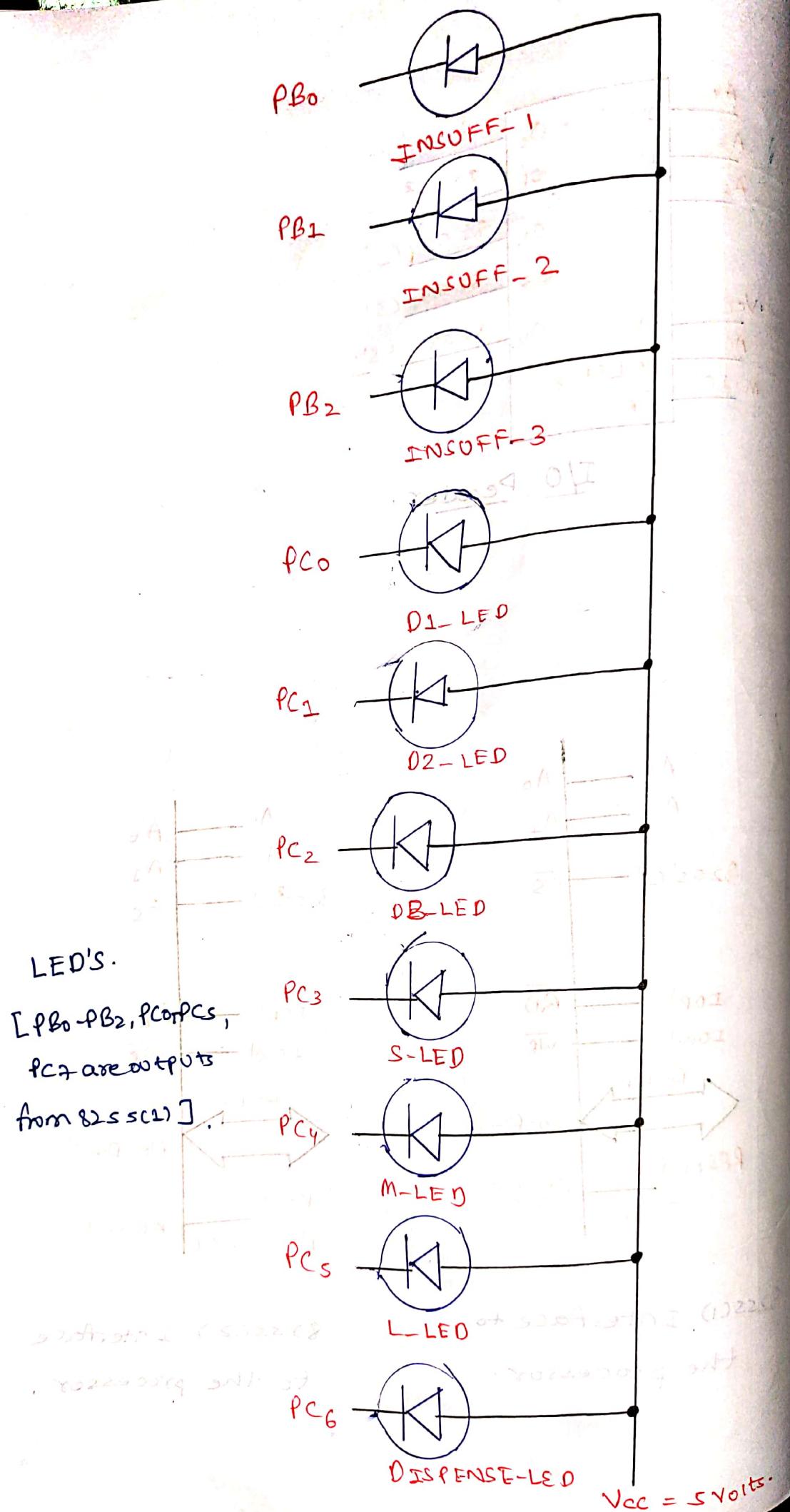


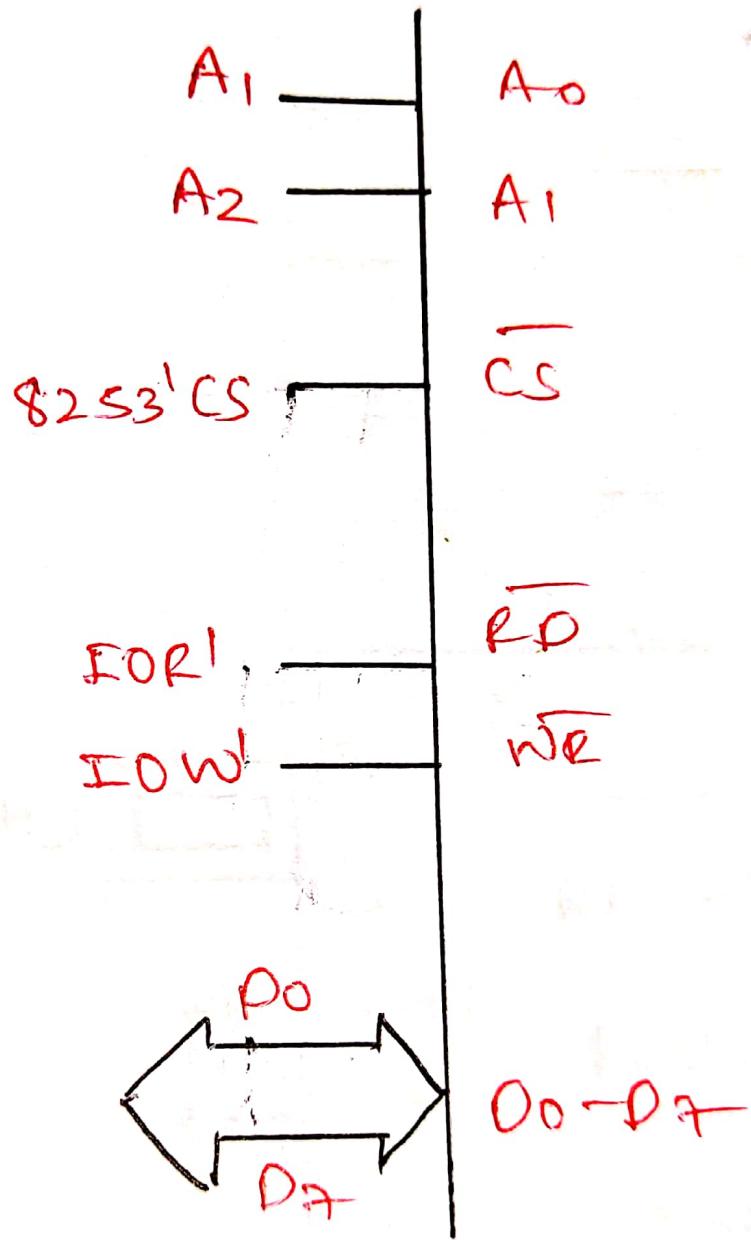
82SSC2) Interface
 to the processor.



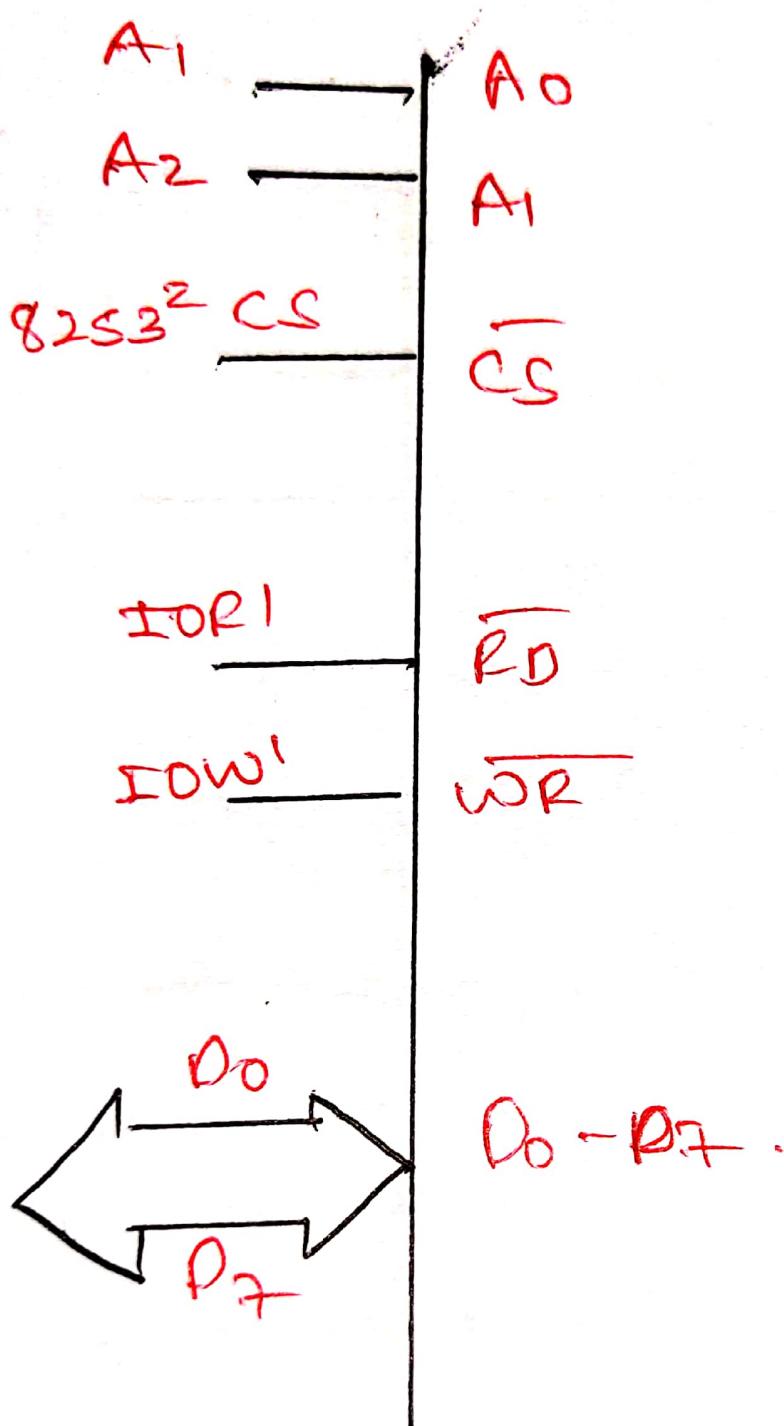
Switches

[$PA_0 - PA_6$ are inputs to
8255(1)].

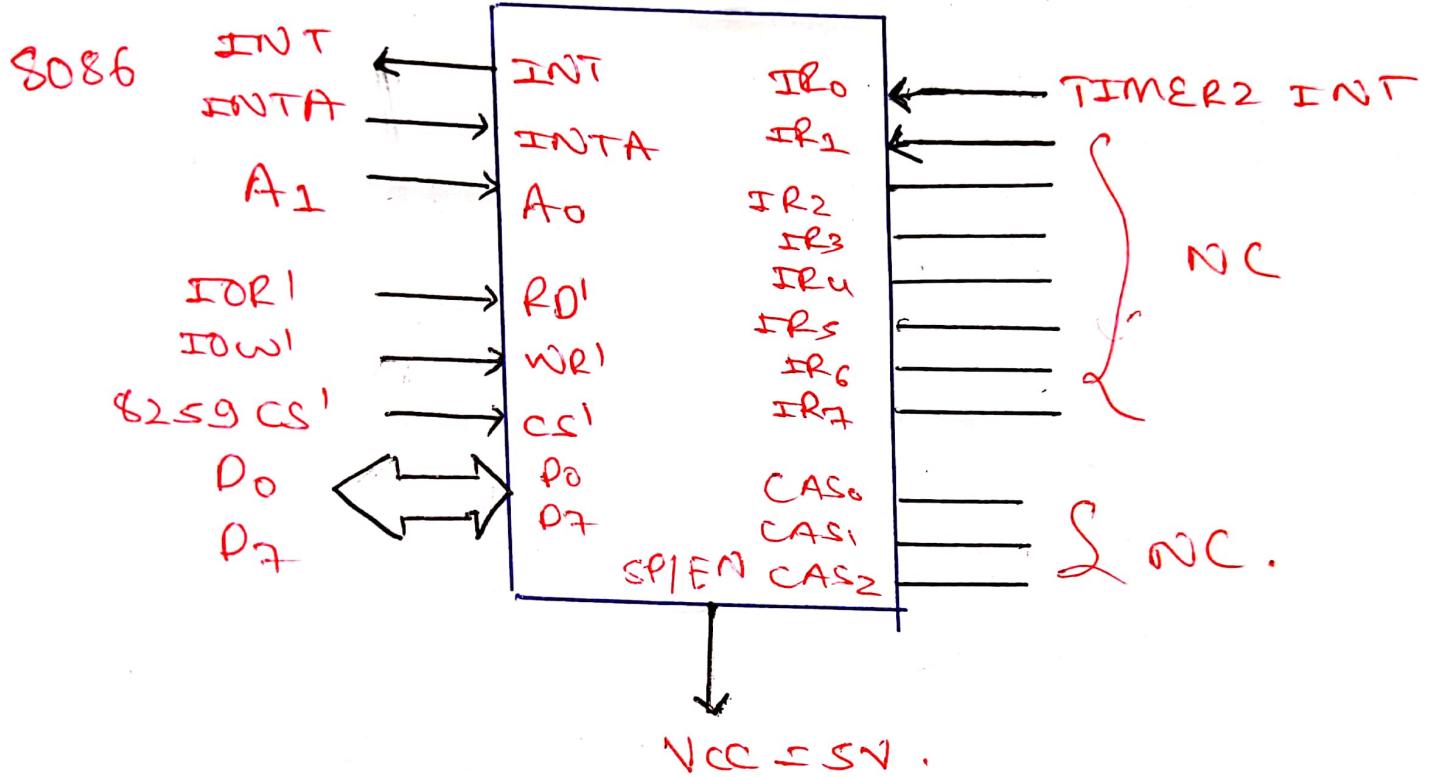




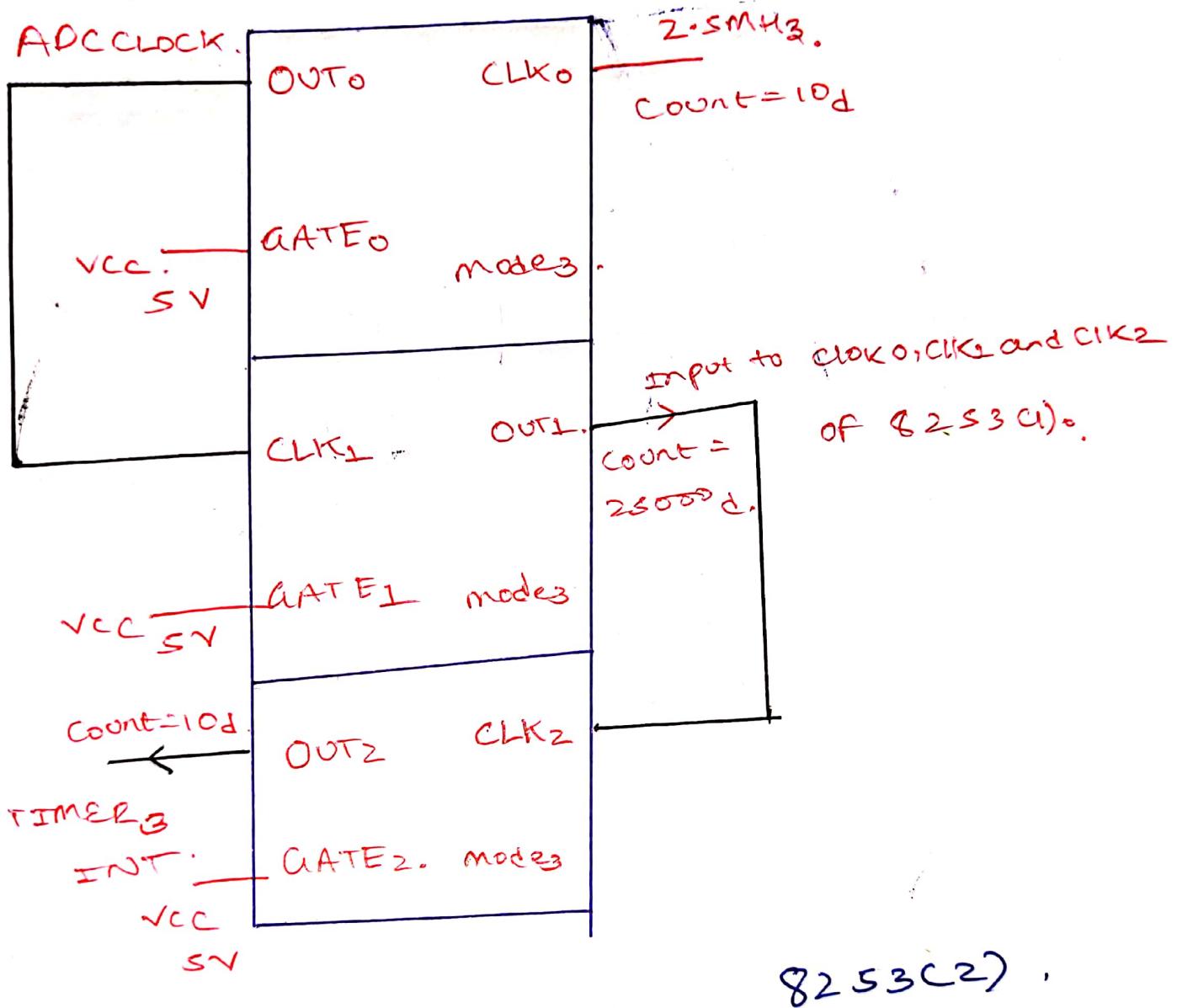
8253(1) Interface to the
processor

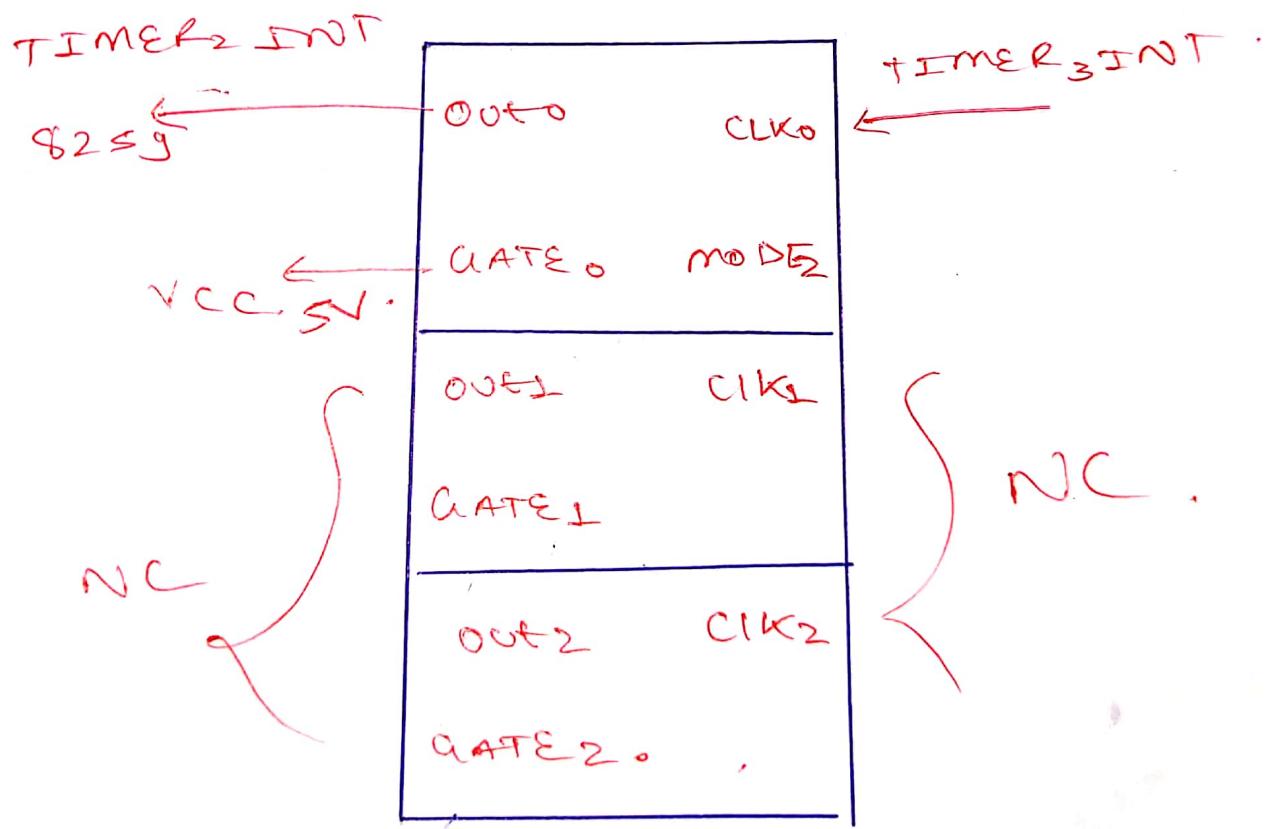


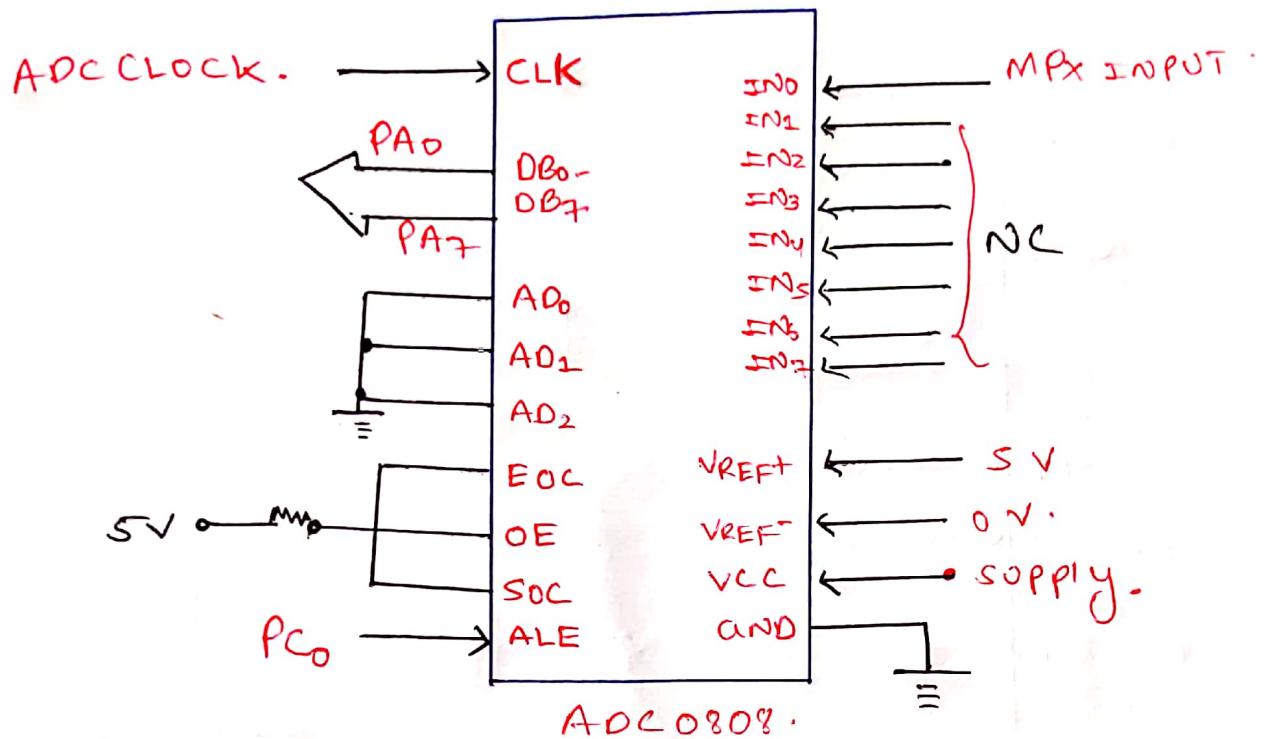
8253 CS Interface to the
 6259 C2 processor .



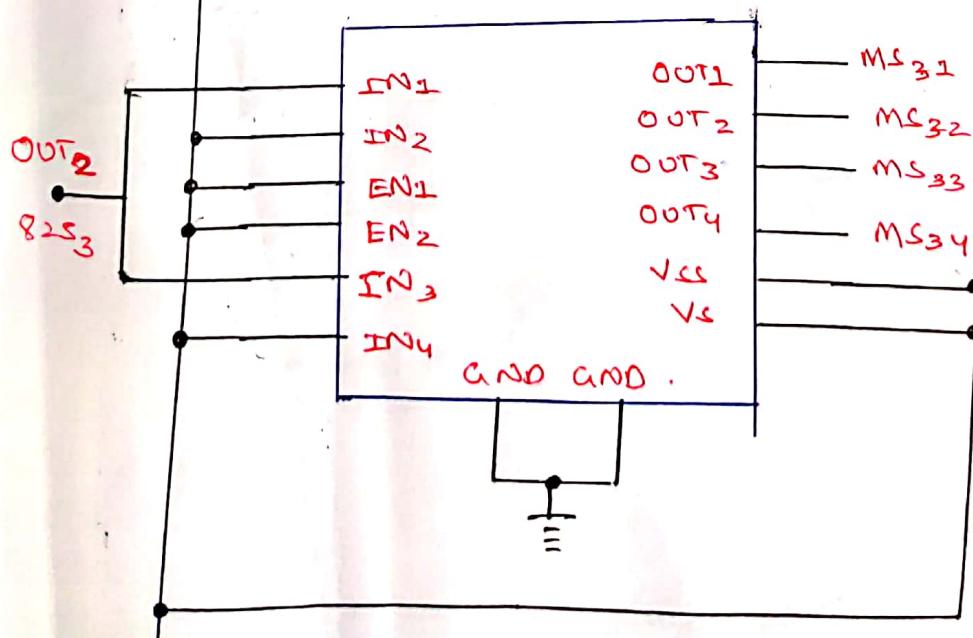
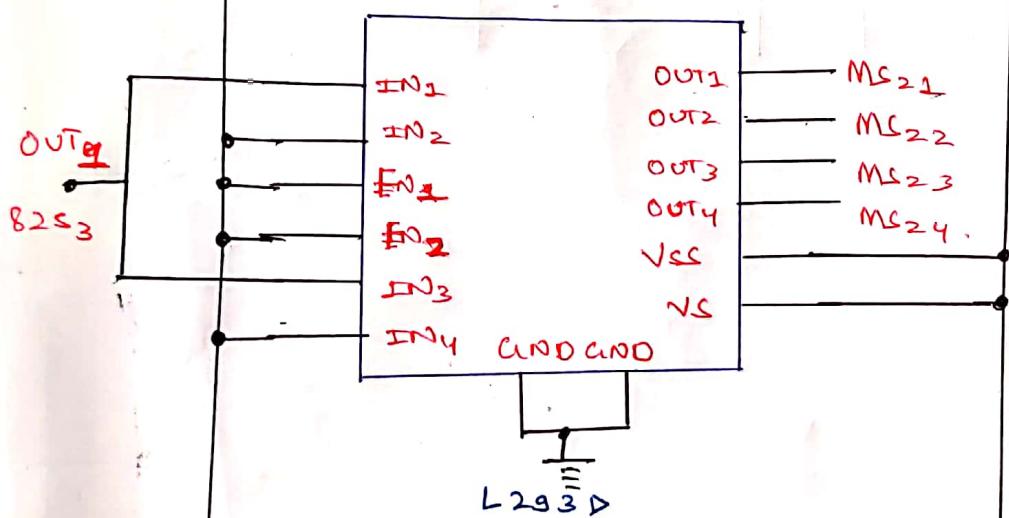
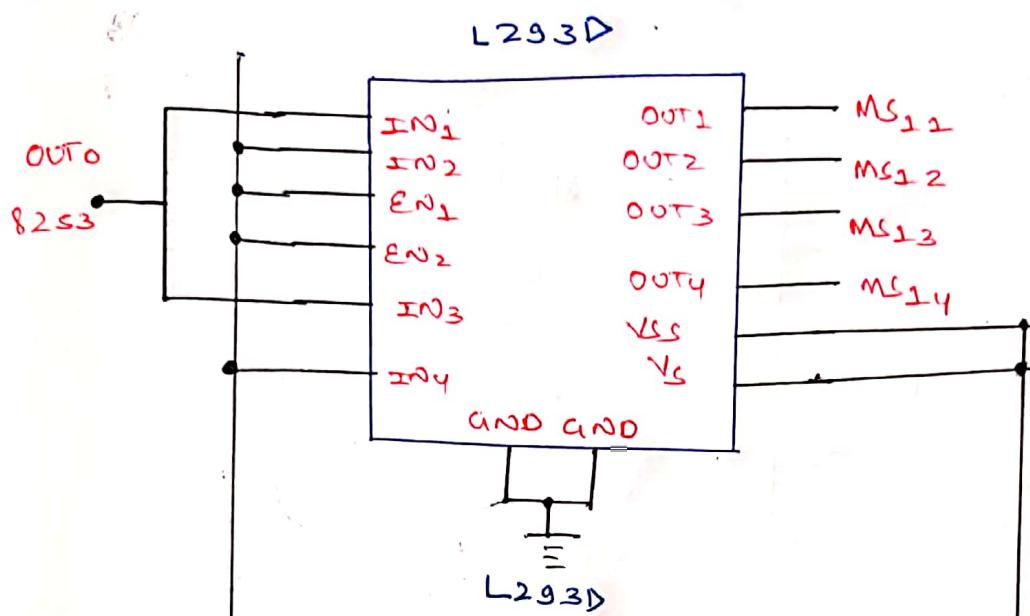
8259





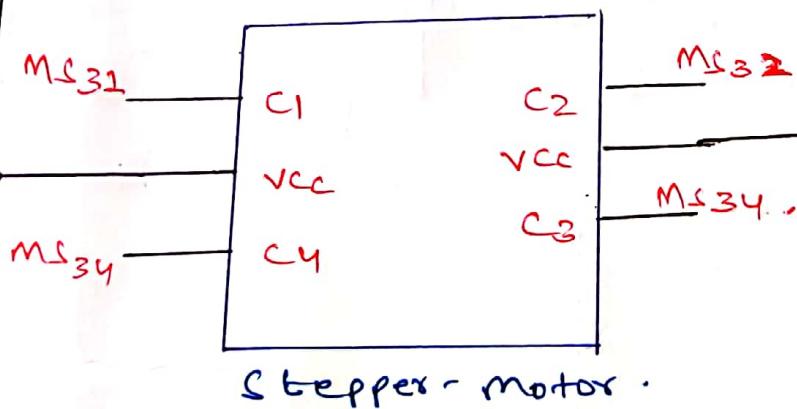
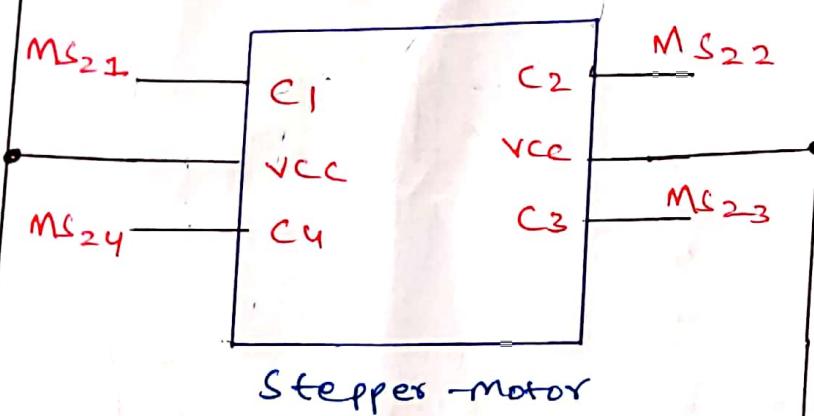
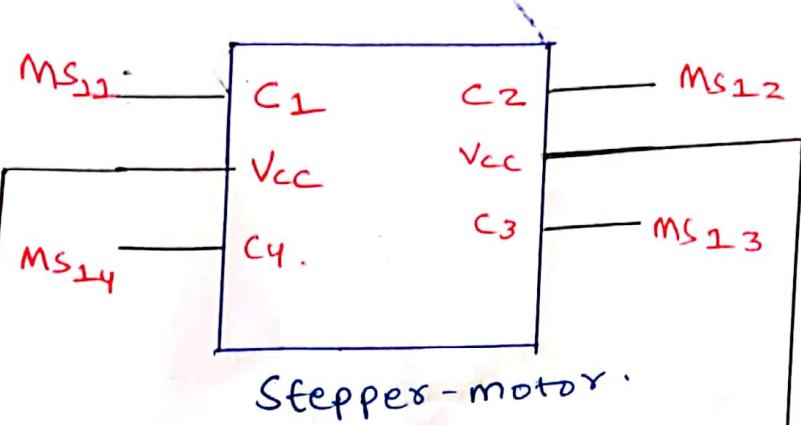


(PA₀-PA₇ and PC₀ are ports
from 8255(2)) ,

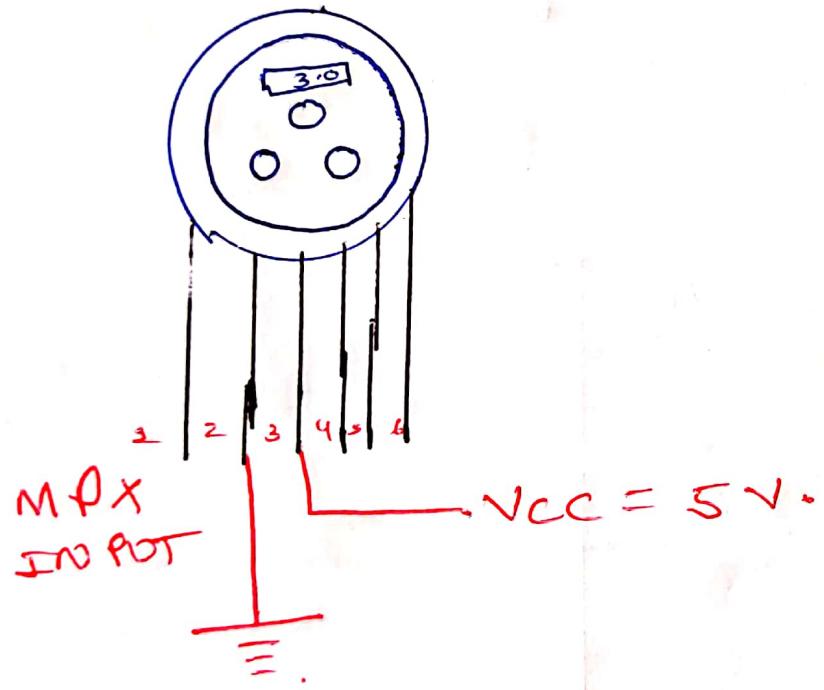


V_{CC} = 10V.

(Motor drivers)
OUT0, OUT1, OUT2
are outputs from
82S3 (1).



$V_{CC} = 10V$. (Unipolar stepper motors
to dispense the
drinks).



MPX4250. (Pressure sensor
to measure number
of coins).