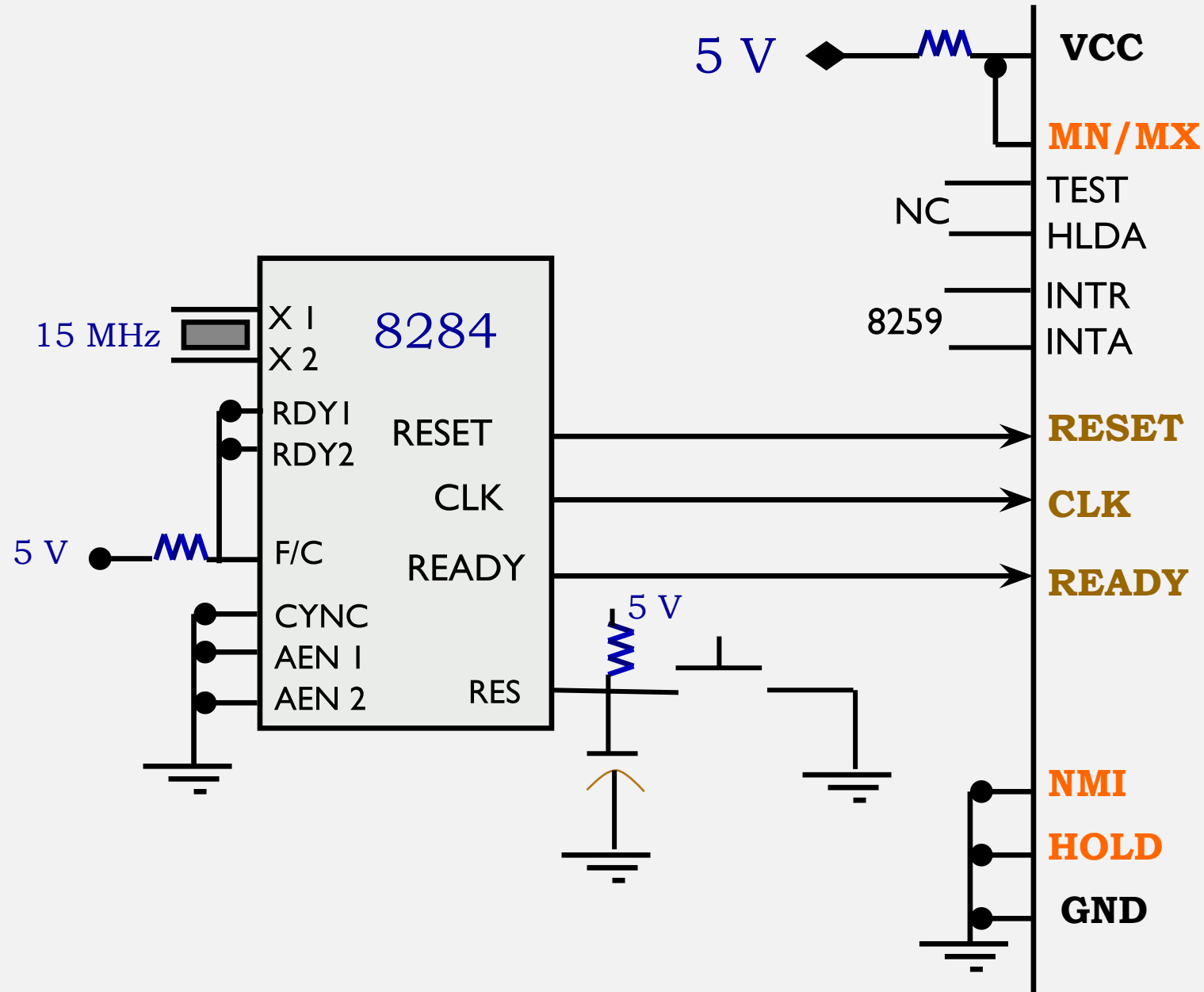
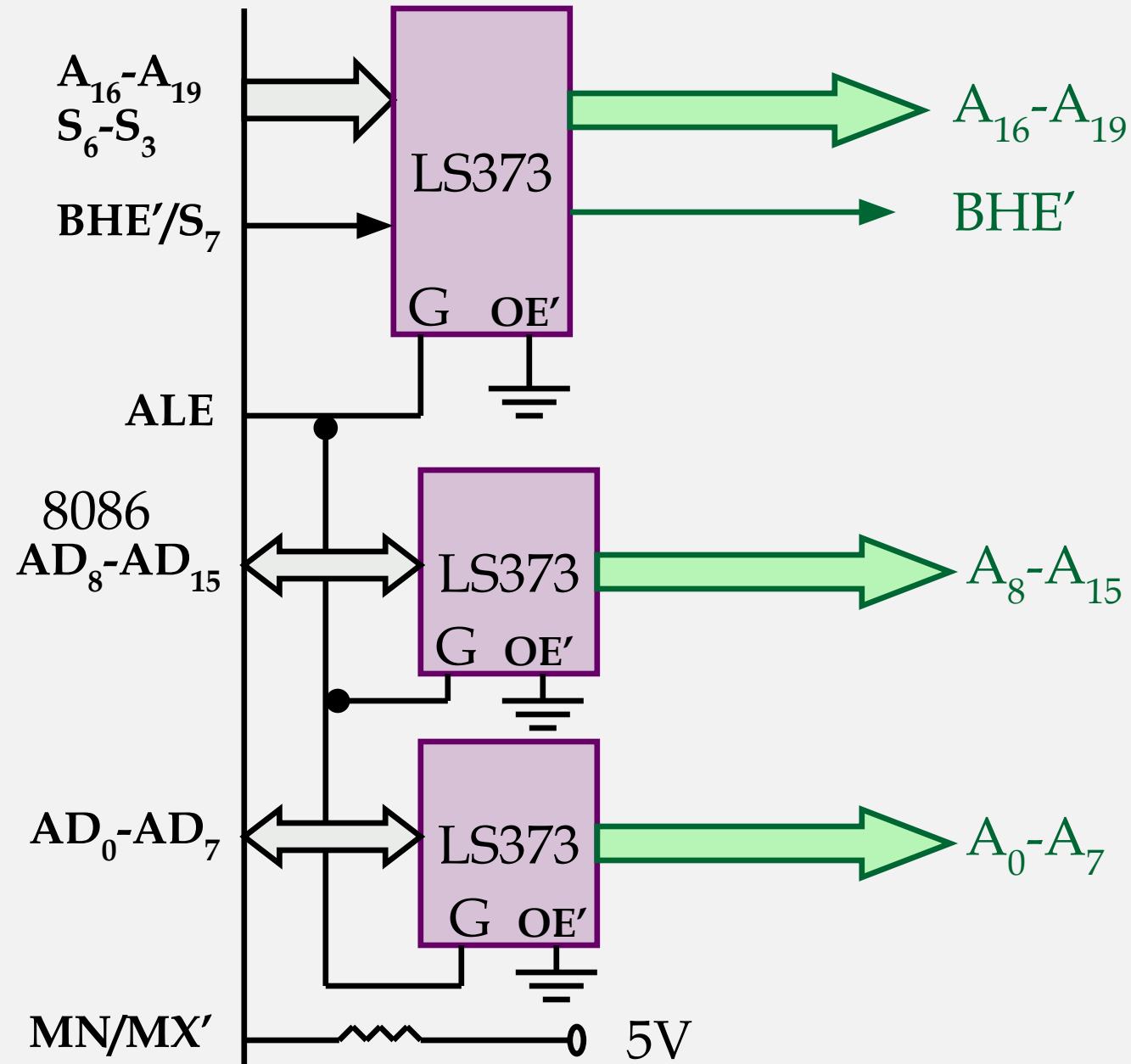


Elevator Control System

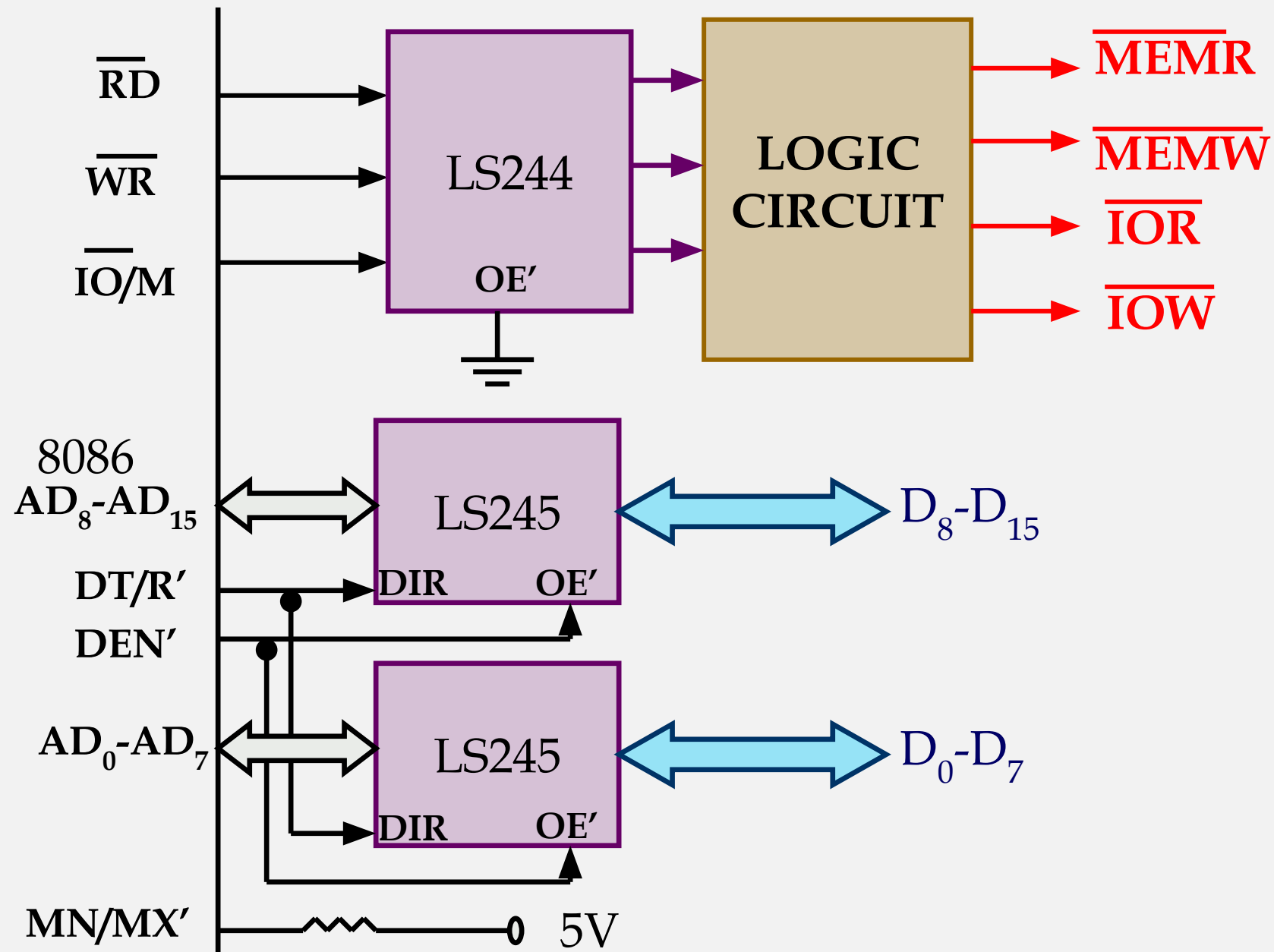
8086 Inputs

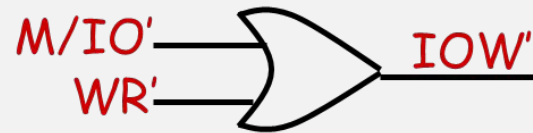
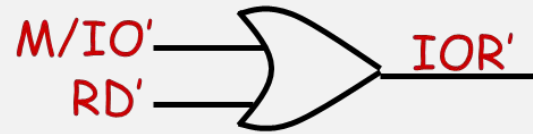


System Bus of 8086 (Address)

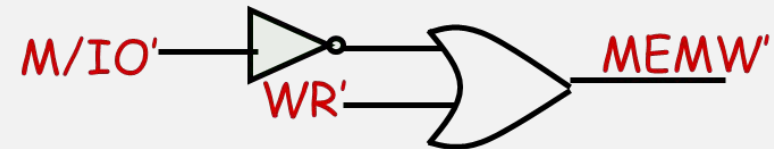
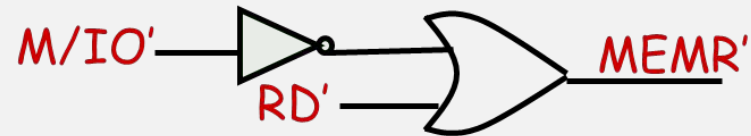


System Bus of 8086(Data + Control)

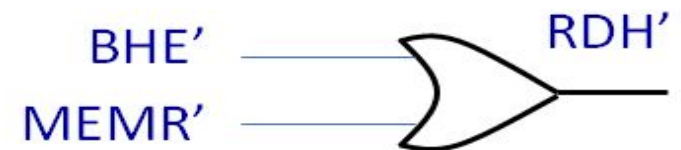
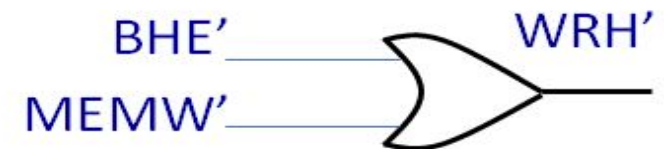
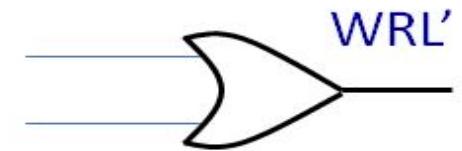
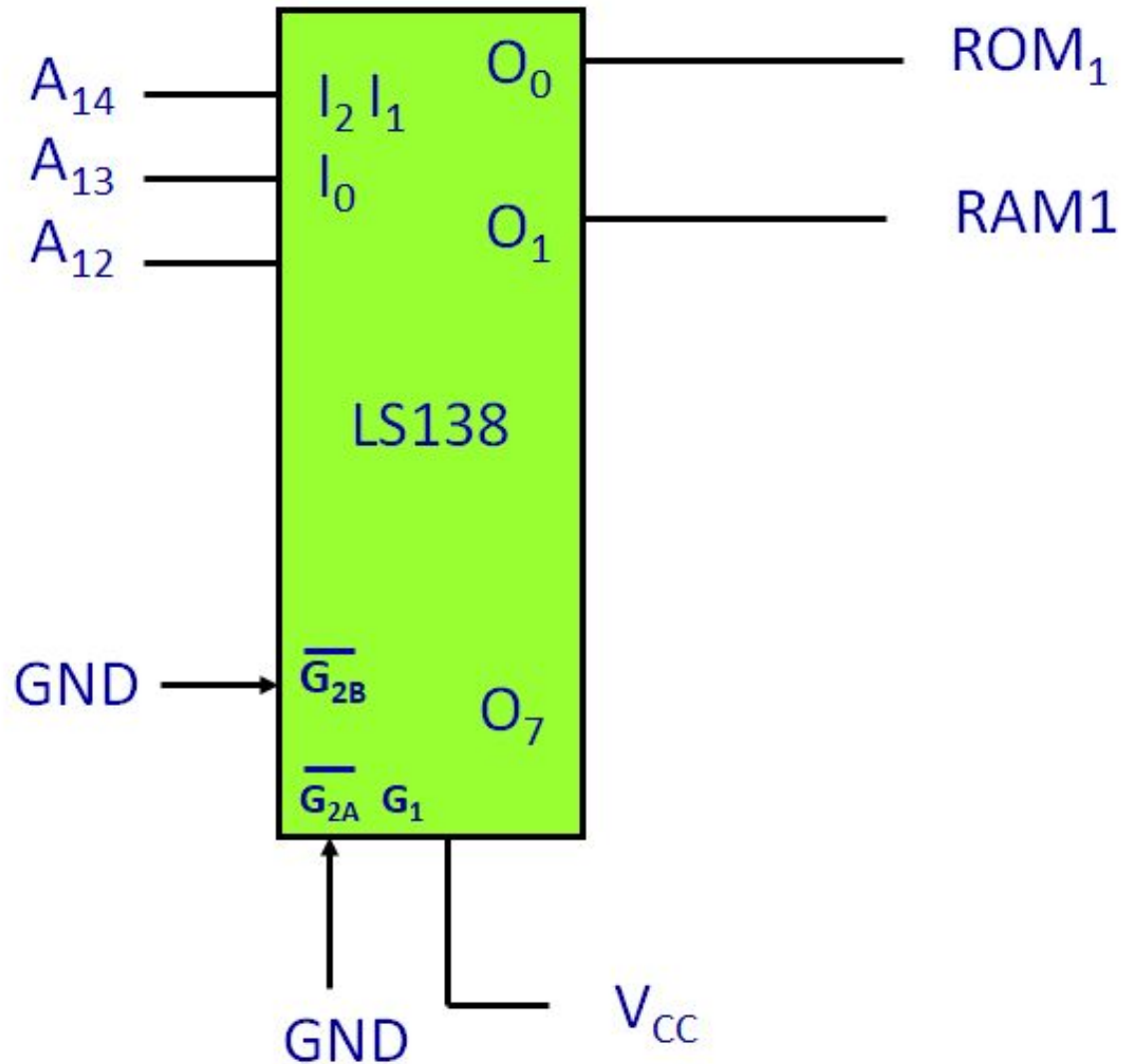




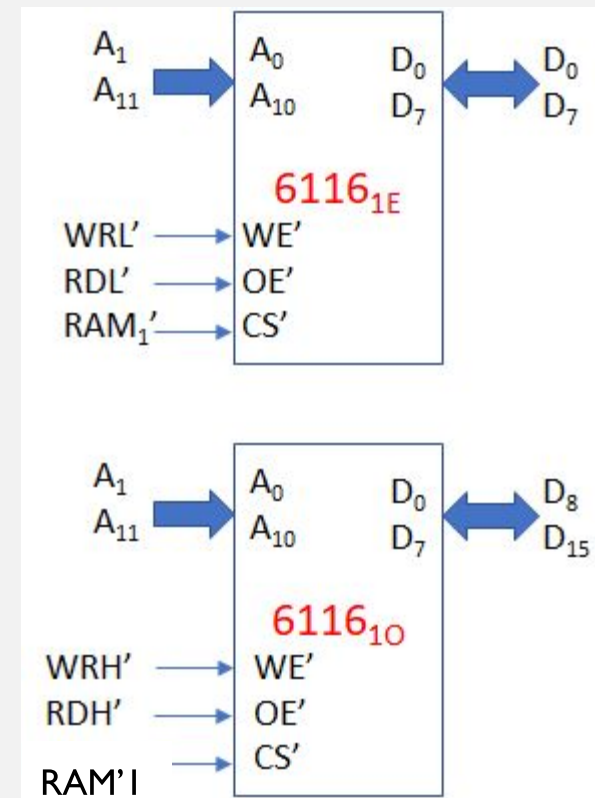
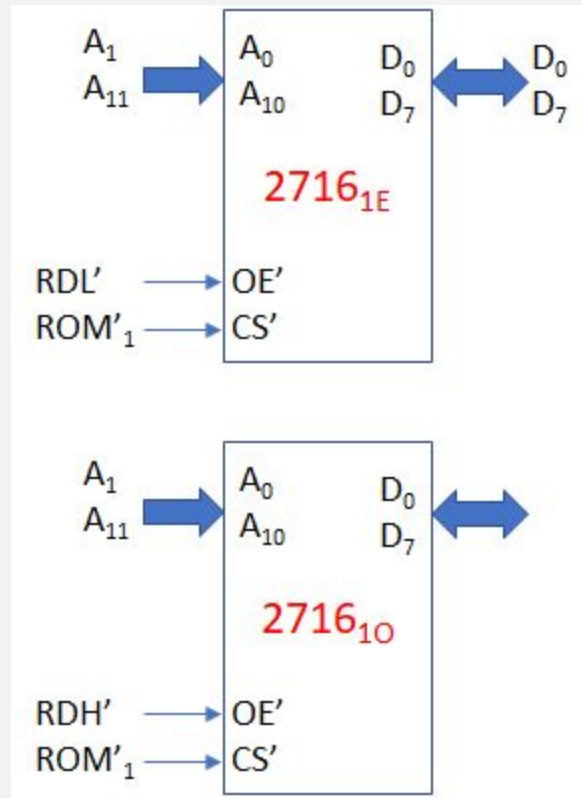
M/IO'	RD'	WR'	Bus cycle
1	0	1	$MEMR'$
1	1	0	$MEMW'$
0	0	1	IOR'
0	1	0	IOW'

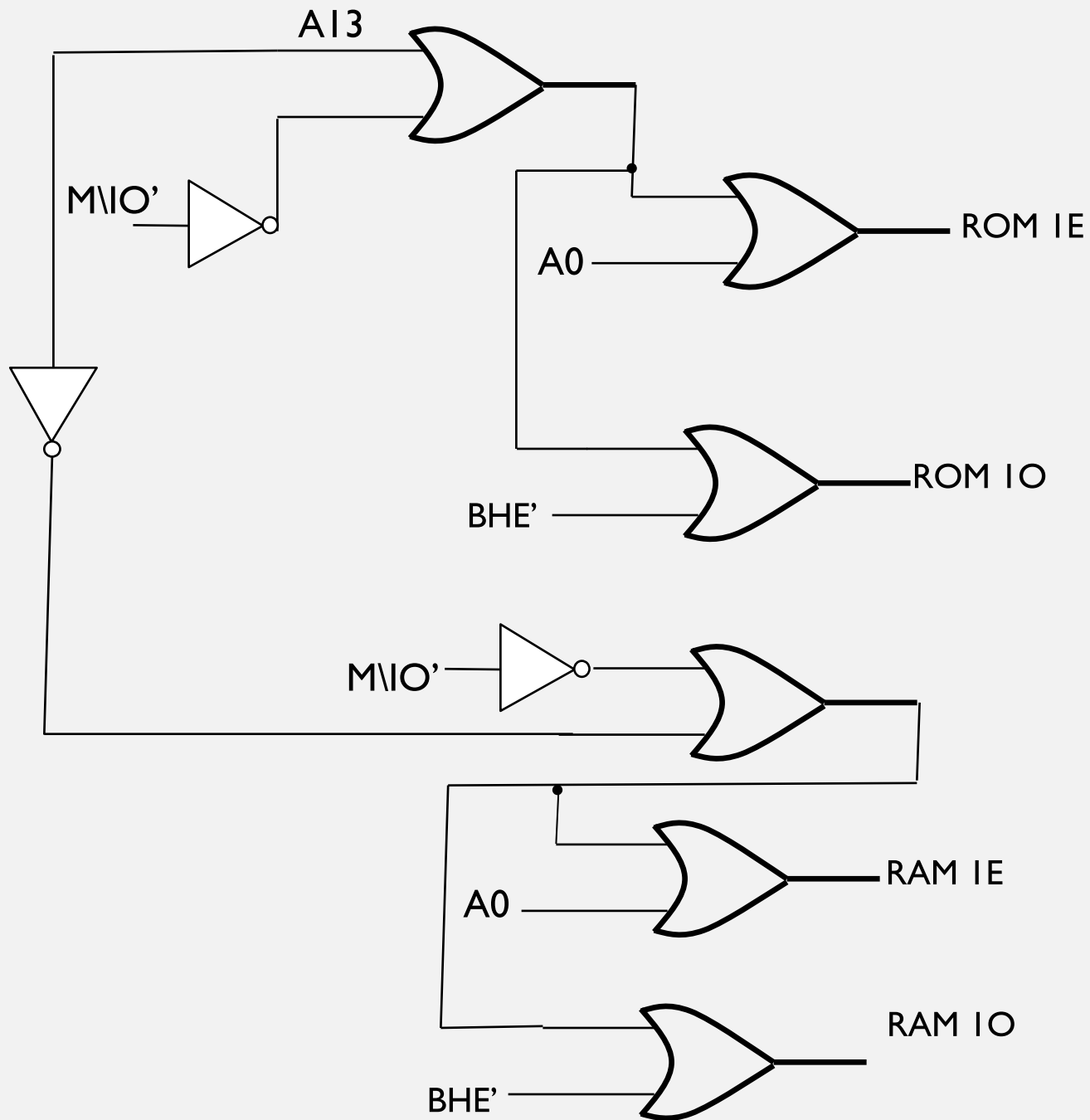


MEMORY INTERFACING



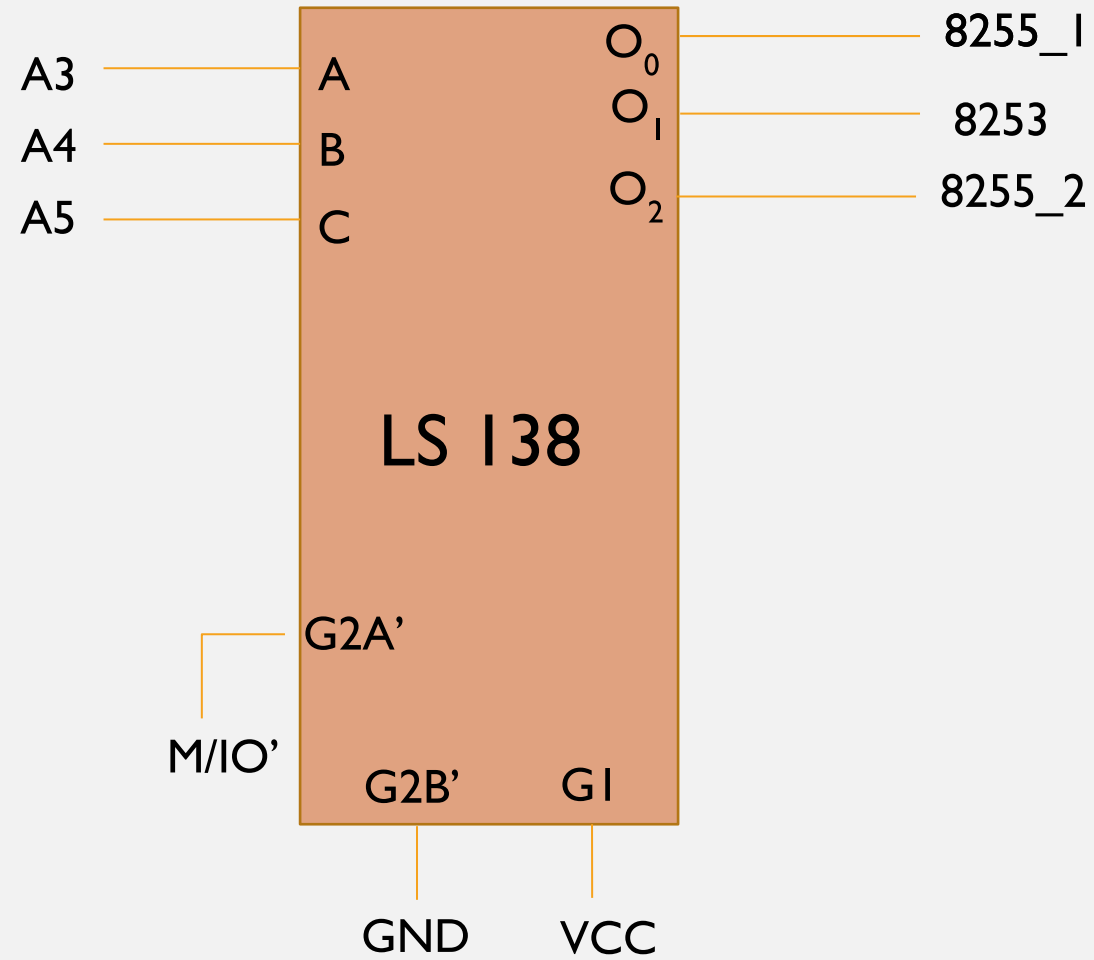
MEMORY INTERFACING



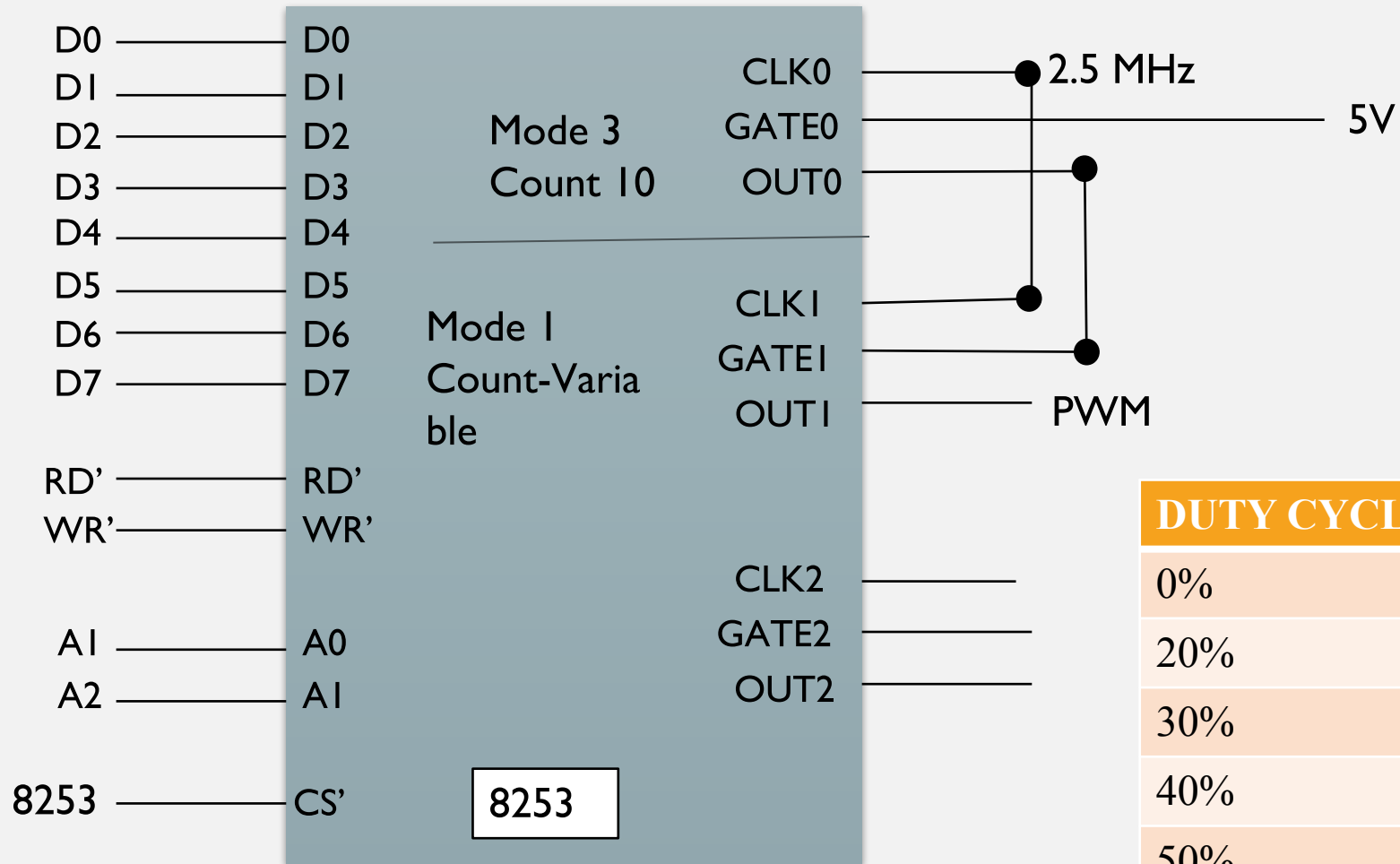


MEMORY INTERFACING

I/O Decoder



8253 Interfacing

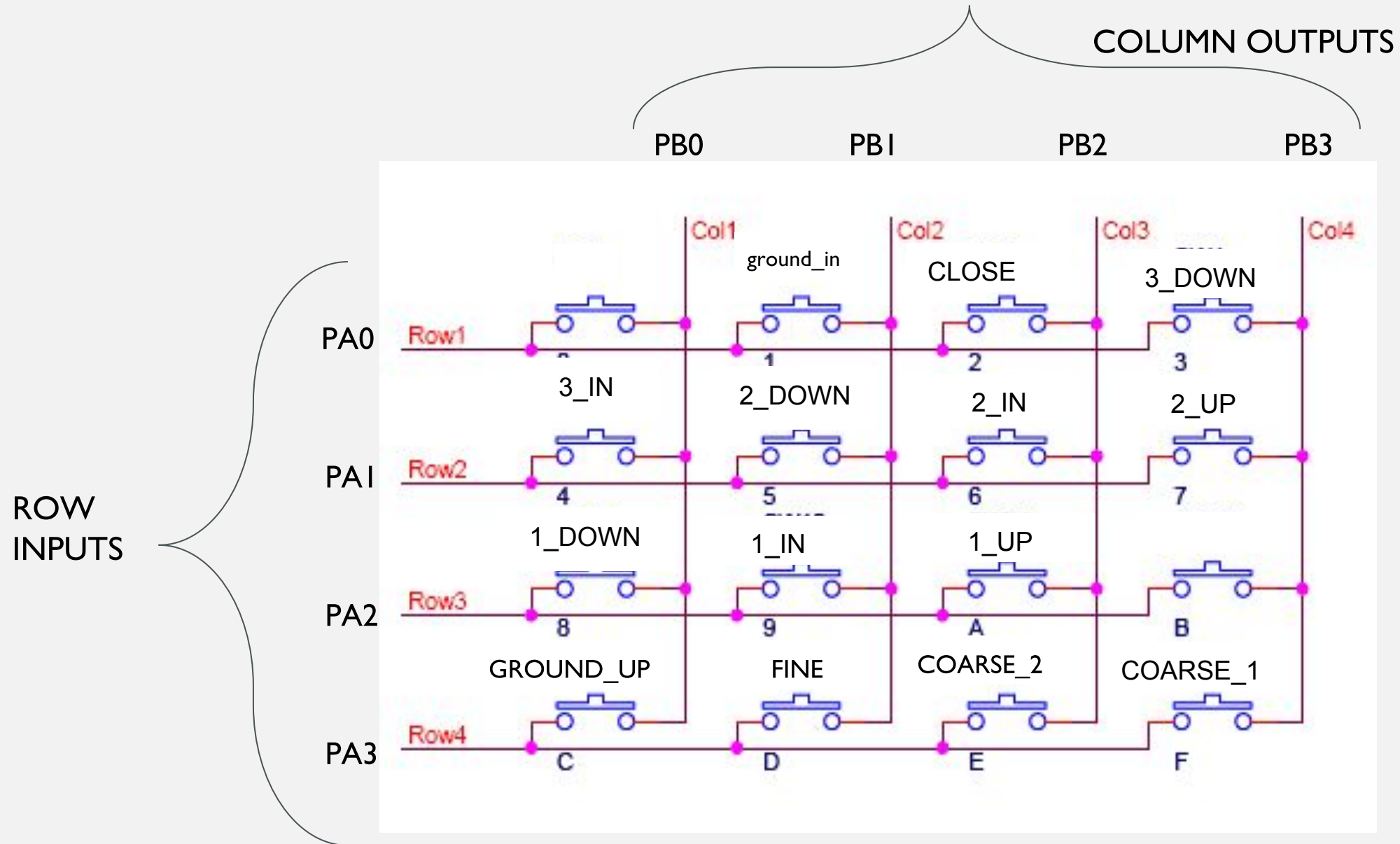


DUTY CYCLE	COUNT in CLK1
0%	0Ah
20%	08h
30%	07h
40%	06h
50%	05h

Push Button

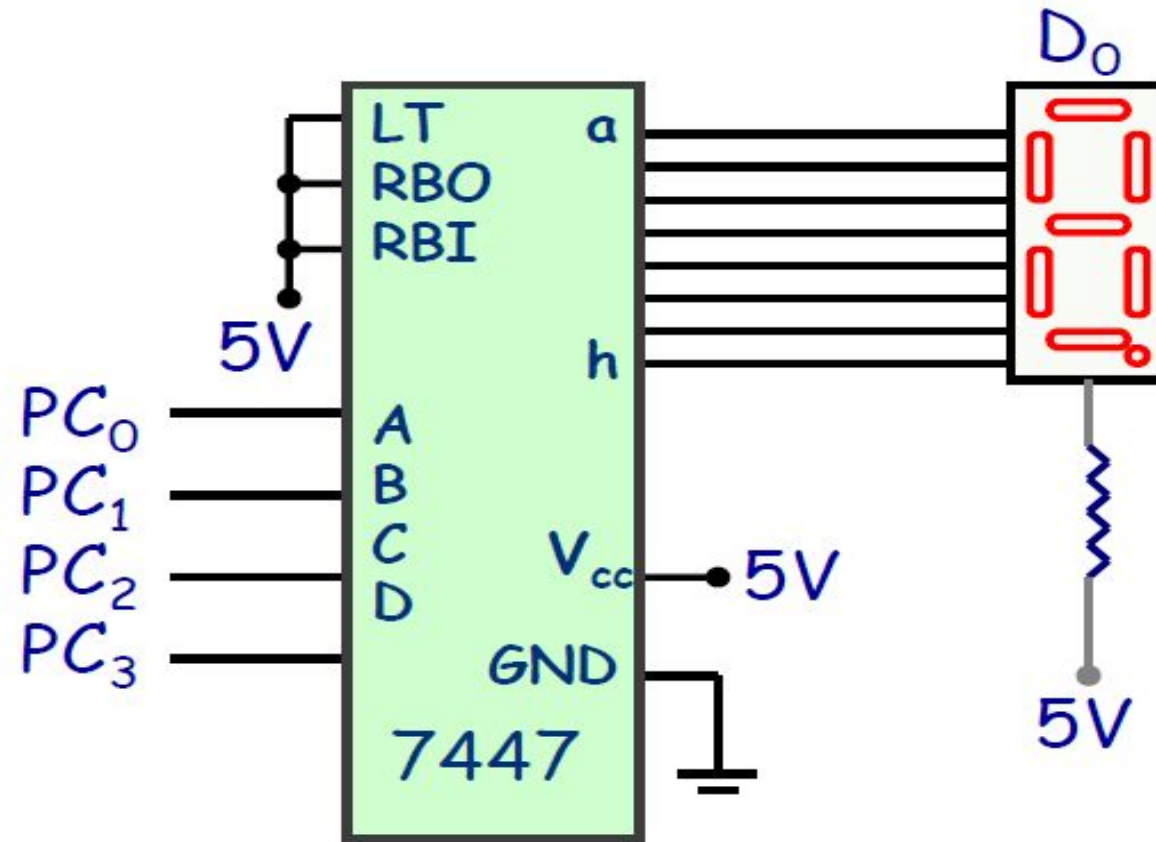


KEYBOARD INTERFACING

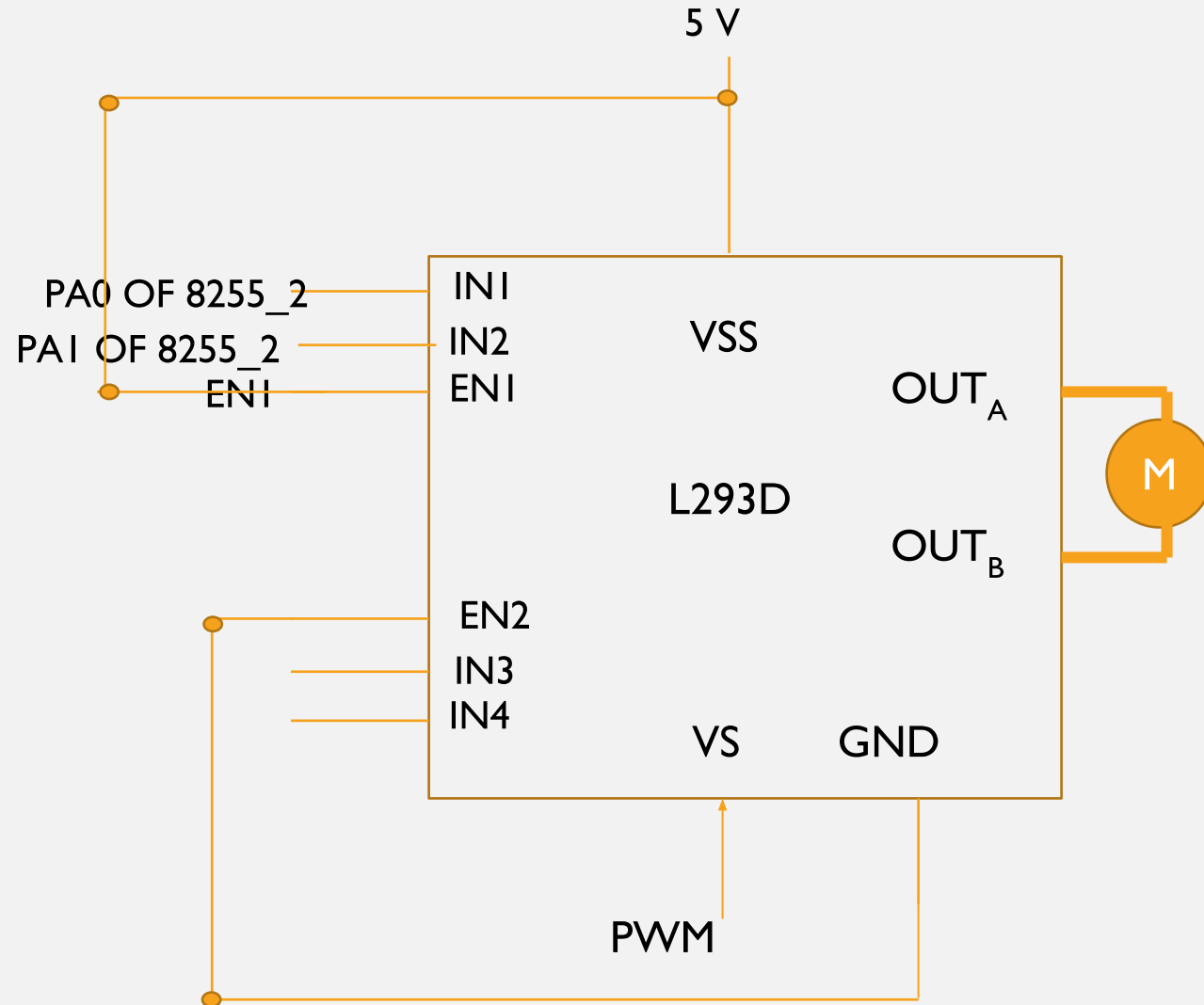


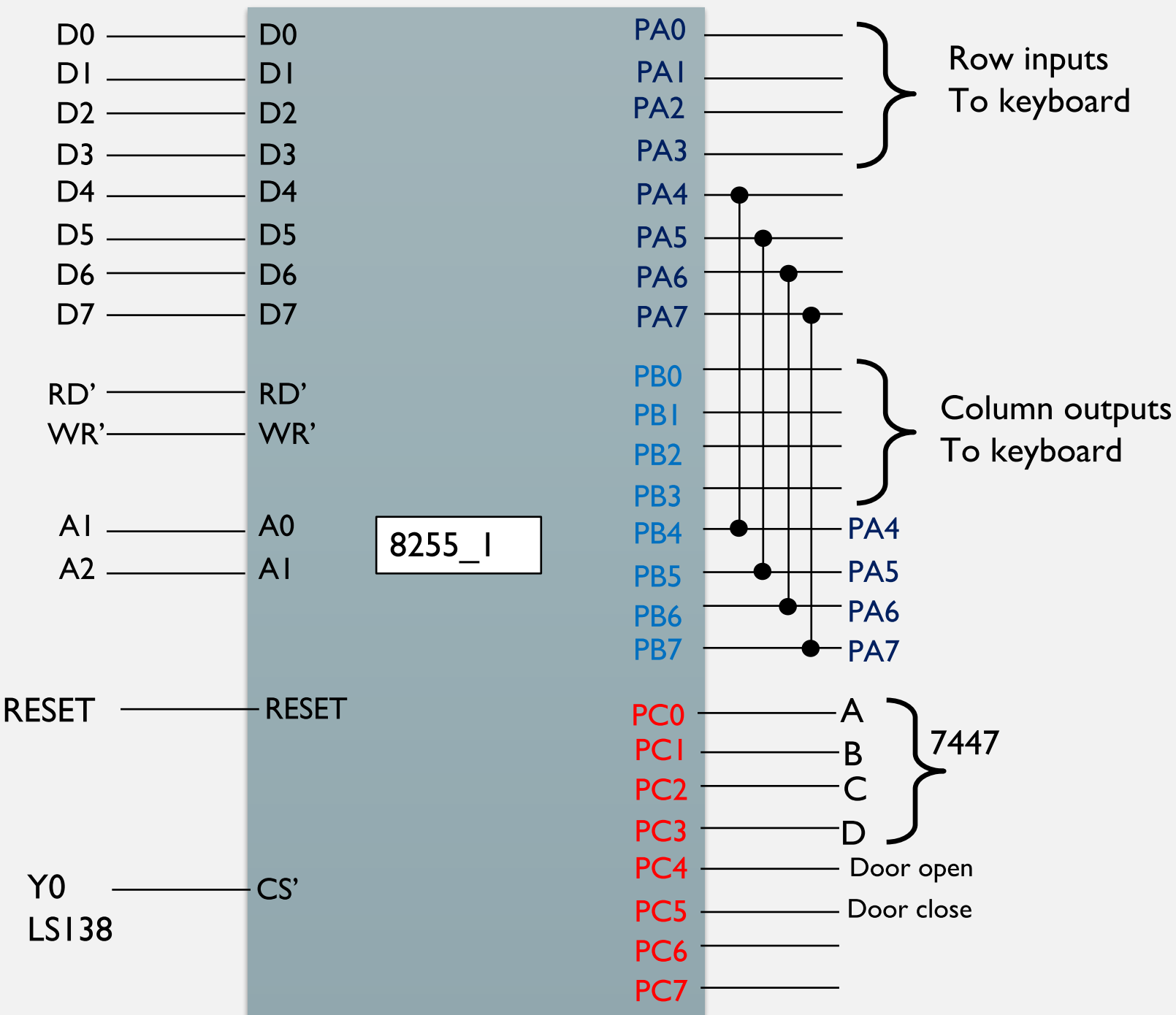
R3	R2	R1	R0	C3	C2	C1	C0	Hex	Button
0	1	1	1	0	1	1	1	77	Cs_1
0	1	1	1	1	0	1	1	7B	Fine
0	1	1	1	1	1	0	1	7D	Cs_2
0	1	1	1	1	1	1	0	7E	Ground_up
1	0	1	1	1	0	1	1	BB	First_up
1	0	1	1	1	1	0	1	BD	First_in
1	0	1	1	1	1	1	0	BE	First_down
1	1	0	1	0	1	1	1	D7	2_UP
1	1	0	1	1	0	1	1	DB	2_IN
1	1	0	1	1	1	0	1	DD	2_DOWN
1	1	0	1	1	1	1	0	DE	3_IN
1	1	1	0	0	1	1	1	E7	3_DOWN
1	1	1	0	1	0	1	1	EB	CLOSE
1	1	1	0	1	1	0	1	ED	Ground_in

7 Segment Display

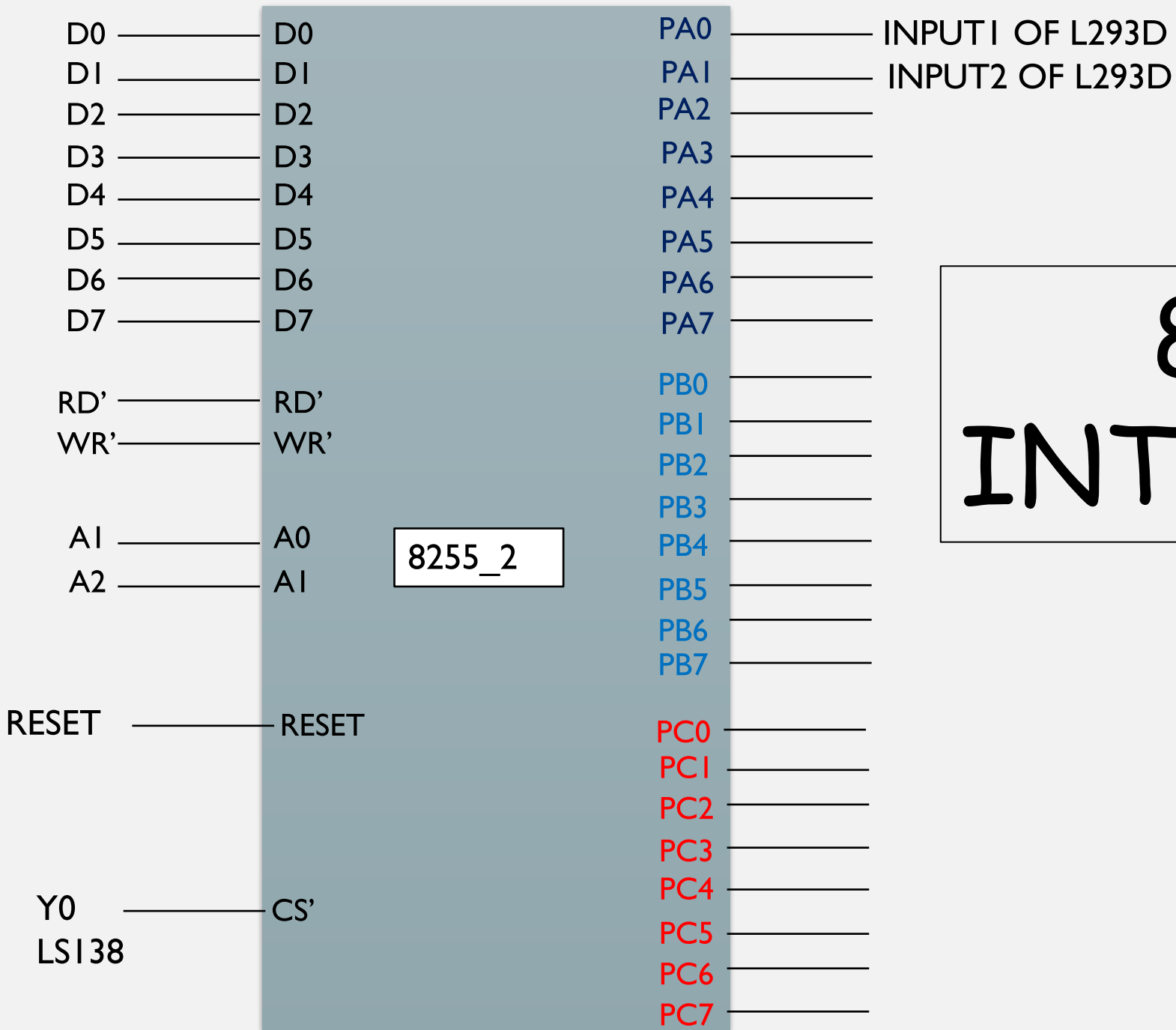


MOTOR INTERFACING





8255_1
INTERFACING



8255_2 INTERFACING