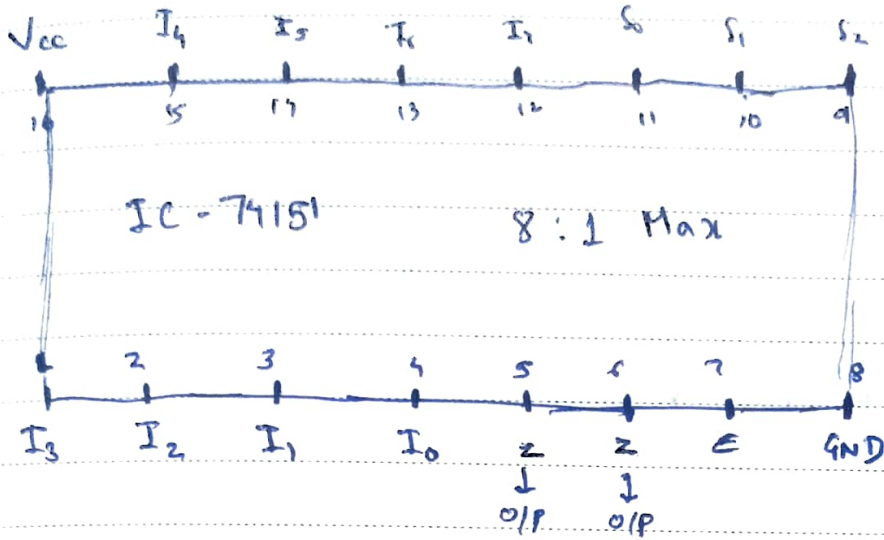


# Exp 3: Multiplexer

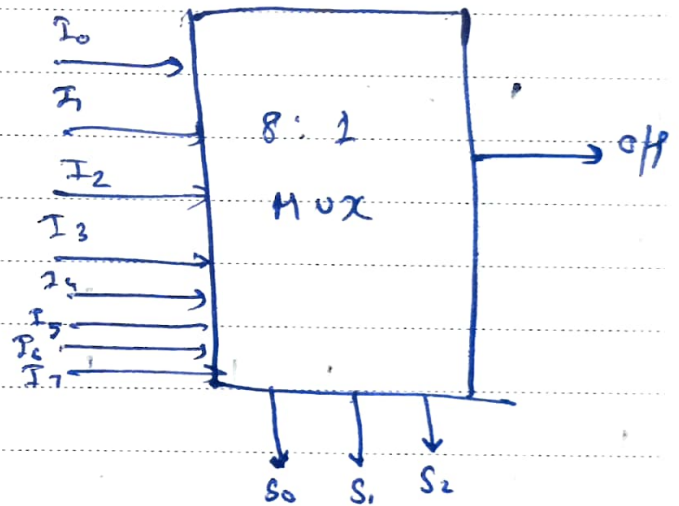
NOTES

DATE

*at an*  
23/8



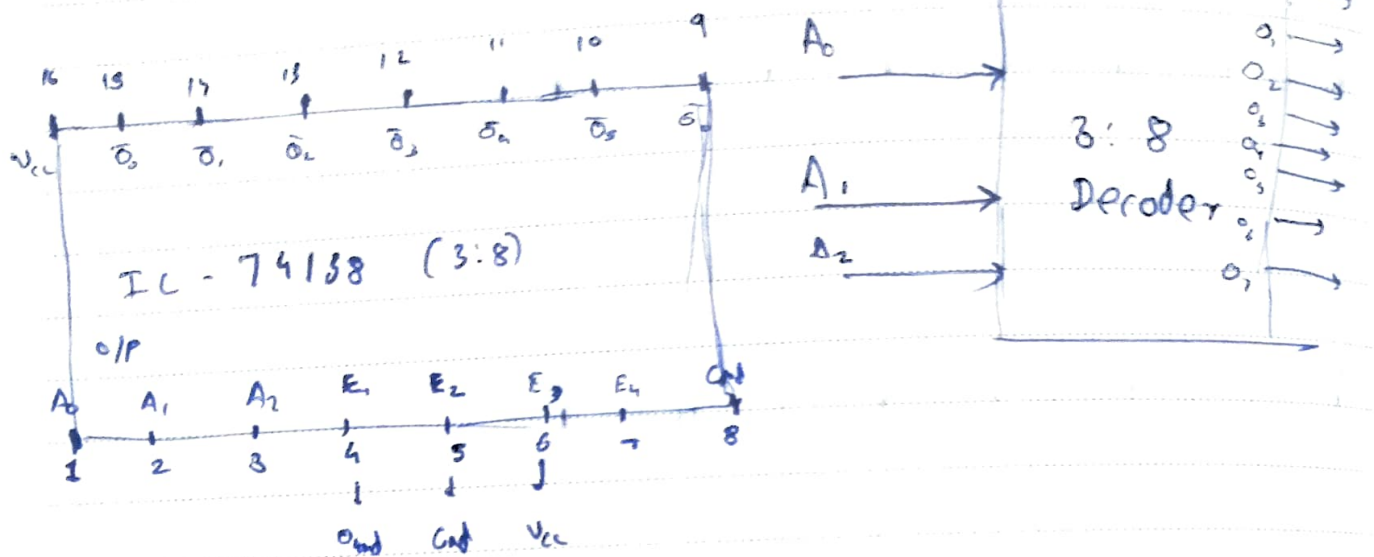
S <sub>2</sub>	S <sub>1</sub>	S <sub>0</sub>	Y
0	0	0	I <sub>0</sub>
0	0	1	I <sub>1</sub>
0	1	0	I <sub>2</sub>
0	1	1	I <sub>3</sub>
1	0	0	I <sub>4</sub>
1	0	1	I <sub>5</sub>
1	1	0	I <sub>6</sub>
1	1	1	I <sub>7</sub>



PREMIUM  
CEMENT  
BUILD WITH GOLD

# Decoder

NOTES



$A_2$	$A_1$	$A_0$	$O_0$	$O_1$	$O_2$	$O_3$	$O_4$	$O_5$	$O_6$	$O_7$
0	0	0	0	1	1	1	1	1	1	1
0	0	1	1	0	1	1	1	1	?	1
0	1	0	1	1	0	1	1	1	1	1
0	1	1	1	1	1	0	1	1	1	1
1	0	0	1	1	1	1	0	1	1	1
1	0	1	1	1	1	1	1	0	1	1
1	1	0	1	1	1	1	1	1	0	1
1	1	1	1	1	1	1	1	1	1	0



PREMIUM CEMENT

BUILD WITH GOLD