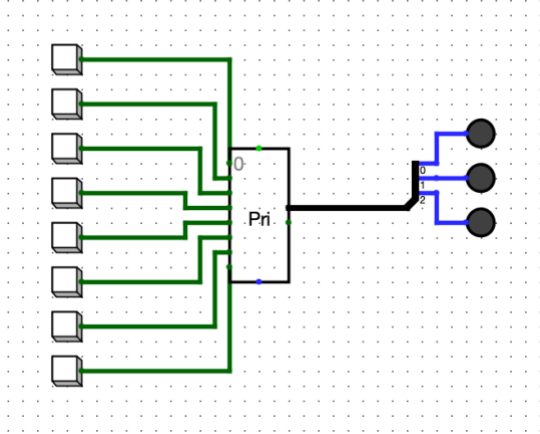


Name: WANG Yuqi Student ID: XXXXXXXXXX

我写错了。题目要求 0-7，我写成 1-8 了。扣了两分

## Subtask 1



## Subtask 2

$E_0$	$E_1$	$E_2$	$S_1$	$S_2$	$S_3$	$S_4$	$S_5$	$S_6$	$S_7$
0	0	0	0	0	0	1	0	0	1
0	0	1	1	0	1	1	1	1	0
0	1	0	1	0	1	1	0	1	1
0	1	1	1	1	0	1	0	0	1
1	0	0	1	1	1	0	0	1	1
1	0	1	1	1	1	0	1	1	1
1	1	0	0	0	1	1	0	0	1
1	1	1	1	1	1	1	1	1	1

$$S_1 = E_0 \overline{E_1} + \overline{E_0} E_1 + E_2$$

$$S_2 = E_0 \overline{E_1} + E_1 E_2$$

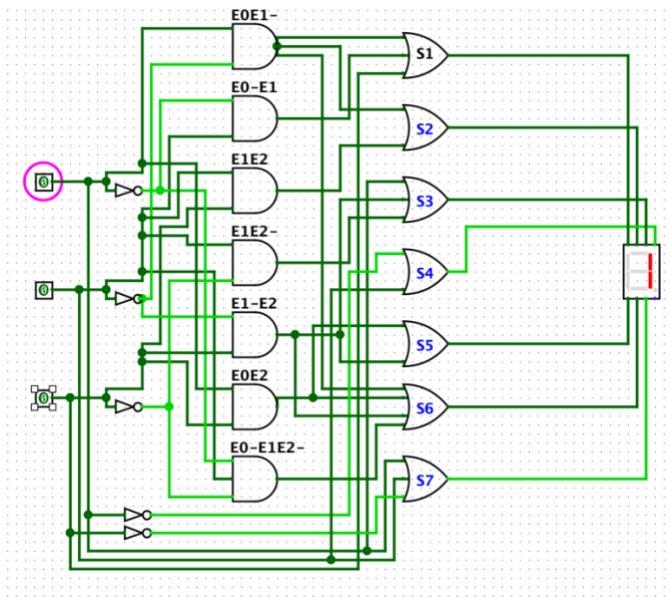
$$S_3 = E_0 + \overline{E_1} E_2 + E_1 \overline{E_2}$$

$$S_4 = \overline{E_0} + E_1$$

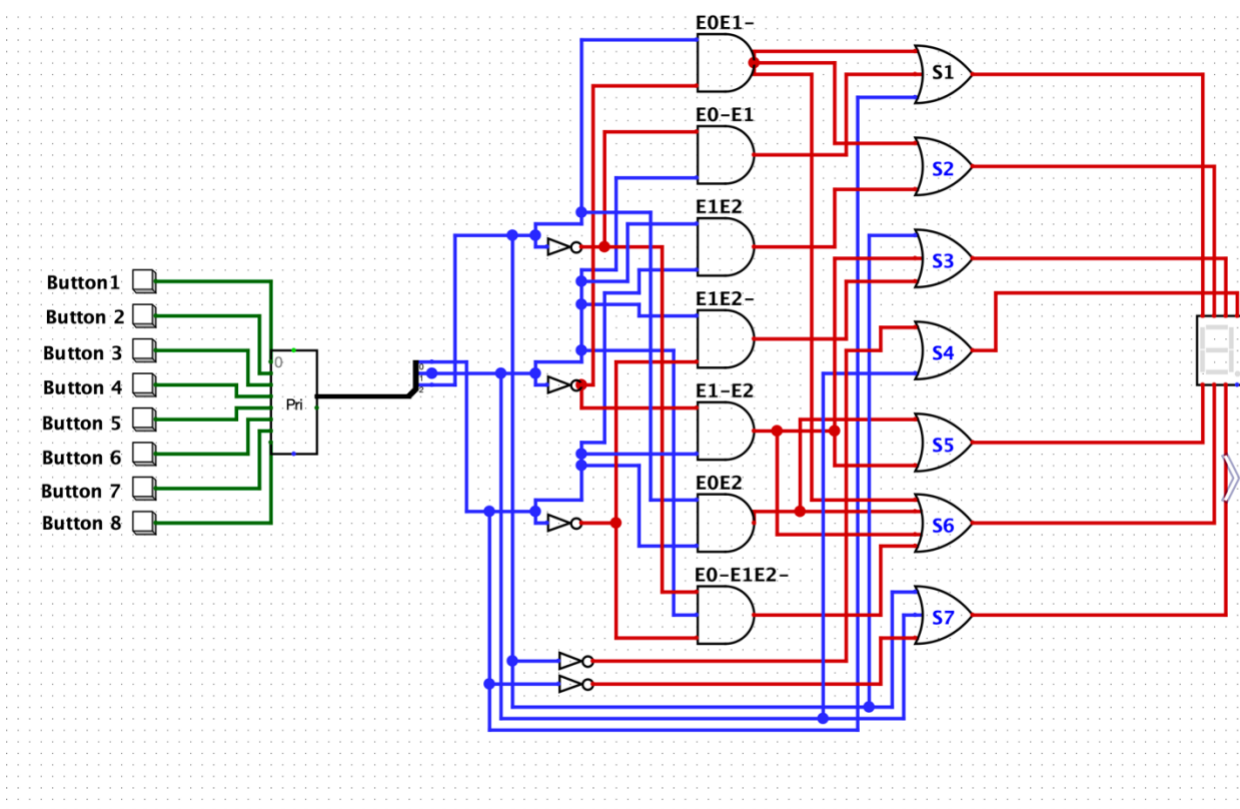
$$S_5 = E_0 E_2 + \overline{E_1} E_2$$

$$S_6 = E_0 \overline{E_1} + E_0 E_2 + \overline{E_0} E_1 \overline{E_2} + \overline{E_1} E_2$$

$$S_7 = E_0 + E_1 + \overline{E_2}$$



## Subtask 3



## Three Different Cases

