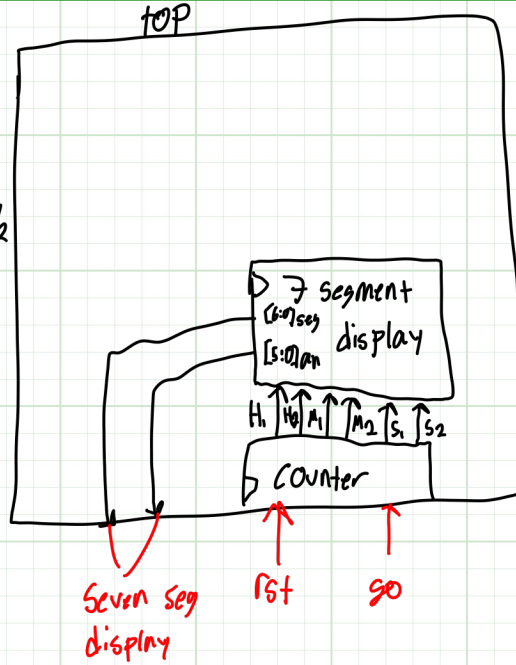


$M_1, M_2, S_1, S_2, H_1, H_2$

$$\frac{5006}{N} \approx \frac{1}{60}$$



Counter:

inputs

- rst (btn)
- go (btn)
- clk

outputs

- $M_1, M_2, S_1, S_2, H_1, H_2$

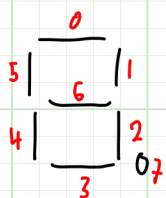
7 seg display

inputs

- $M_1, M_2, S_1, S_2, H_1, H_2$
- clk

outputs

- [6:0] seg
- [5:0] un



hex	binary								Hex	
	7	6	5	4	3	2	1	0	1	0
0	0	1	0	0	0	0	0	0	4	0
1	0	1	1	1	1	0	0	1	7	9
2	0	0	1	0	0	1	0	0	2	4
3	0	0	1	1	0	0	0	0	3	0
4	0	0	0	1	1	0	0	1	1	2
5	0	0	0	1	0	0	1	0	1	9
6	0	0	0	0	0	0	1	0	0	2
7	0	1	1	1	1	0	0	0	7	8
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	1	1	0	0	0	1	8
A	0	0	0	0	1	0	0	0	0	8
B	0	0	0	0	0	1	1	1	0	3
C	0	1	0	0	0	1	1	0	4	6
D	0	0	1	0	0	0	0	1	2	1
E	0	0	0	0	0	1	1	0	0	6
F	0	0	0	0	1	1	1	0	0	E