Prelab 2b:

assignment 5:

$$m = [0,9]$$
$$s_1 = [0,5]$$
$$s_0 = [0,9]$$
$$h_1 = [0,9]$$
$$h_0 = [0,9]$$

assignment 6:

- h_0 always increments and resets to 0 after it hits 9
- h_1 increments whenever h_0 is equal to 9
- s_0 increments whenever h_0 and h_1 are both 9
- s_1 increments when s_0, h_0, h_1 are 9
- m increments when s_1 is 5 and s_0, h_0, s_1 are 9

assignment 7:

- h_0 resets when it hits 9
- h_1 resets when it hits 9 and h_0 is 9
- s_0 resets when it hits 9, h_0 is 9, h_1 is 9
- s_1 resets when it hits 5, s_0 is 9, h_0 is 9, h_1 is 9
- m resets when it is 9 and h_0 h_1 s_0 are also 9 and s_1 is 5