M= { I, O, S, So, S, x}

0 カ 1 ウ 2 ウ 3 ウ 2 ウ 1 ー> 0

We use 3 bits to represent the states

$$T = \emptyset$$
 $0 = \{00, 01, 10, 11\}$
 $S = \{000, 001, 000, 011, 110, 101\}$
 $S_0 = \{000\}$

RESET
$$000 \frac{1}{-100}$$
 $000 \frac{1}{-100}$ $000 \frac{1}{-100}$ $000 \frac{1}{-100}$

To find equations for 20, 21, 32 in terms
(CMAPS

| 5 | 5,5000 | 0 (| 11 | 10 |
|---|--------|-----|----|----|
| 0 | 0 | 1 | 1 | 1 |
| ١ | 1 | 0 | - | 0 |

$$\sigma_1 = \bar{S}_2 S_0 + \bar{S}_2 S_1$$

$$= \bar{S}_2 \left(S_0 + S_1 \right)$$

72:

$$\partial_{2} = S_{1}S_{0} + S_{2}S_{1}$$

$$= S_{1} (S_{0} + S_{2})$$

Output:
$$\lambda_1 = S_1$$
 $\lambda_0 = S_0$

