

State estimation of supervisor:

So: $\{(0, 5), (0, 0)\}$

$$S_1: \{(0, 0)\}$$
$$S_2: \{(0, 1), (0, 2)\}$$
 $S_3: \{(1, 0), (1, 5)\}$

S4: $\{(1, 1), (1, 2)\}$

 $S_5: \{(1, 6), (1, 7), (1, 3), (1, 4), (1, 5), (2, 6), (2, 7), (2, 3), (2, 4), (2, 5), (3, 6), (3, 7), (3, 3), (3, 4), (3, 5), (4, 6), (4, 7), (4, 3), (4, 4), (4, 5), (5, 6), (5, 7), (5, 3), (5, 4), (5, 5), (6, 6), (6, 7), (6, 3), (6, 4), (6, 5), (7, 6), (7, 7), (7, 3), (7, 4), (7, 5), (3, 6), (3, 7), (3, 3), (3, 4), (3, 5), (4, 6), (4, 7), (4, 3), (4, 4), (4, 5), (5, 6), (5, 7), (5, 3), (5, 4), (5, 5), (6, 6), (6, 7), (6, 3), (6, 4), (6, 5), (7, 6), (7, 7), (7, 3), (7, 4), (7, 5)\}$

S6: $\{(1, 6), (1, 7),$

$$S7:\{(1, 7), (1, 4)\}$$

S8: $\{(2, 3), (2, 6)\}$

State

Ao:{3}

 $A1:\{5\}$ $A_2: \{6\}$ $A_3:\{8\}$ $A_4: \{4, 6\}$ $A_5: \{1, 2, 5\}$

A6: {4,6,7}

