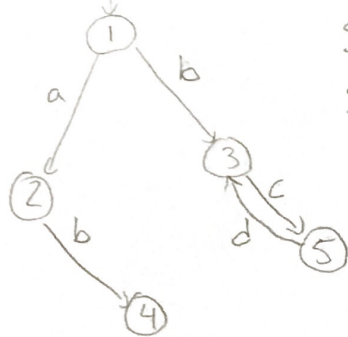


3, in



$$\Sigma_0 = \{b, c, d\}$$

$$\Sigma_{uc} = \{a, b\}$$

$$\Sigma_1 = \{3\}$$

$$\Sigma_{0,1} = \{d\}$$

$$\Sigma_2 = \{1\}$$

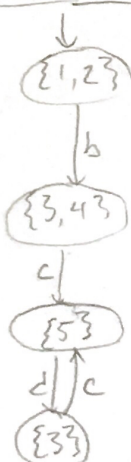
$$\Sigma_{0,2} = \{c, d\}$$

$$\Sigma_3 = \{3, 5\}$$

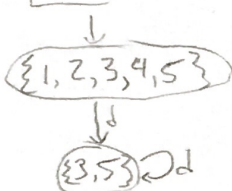
$$\Sigma_{0,3} = \{b\}$$

(Assume $\Sigma_{uc} \subseteq \Sigma_0$)

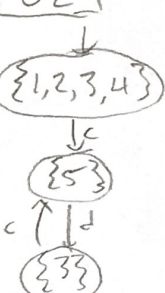
Controller



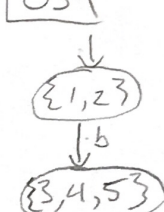
O1



O2



O3



Arena

1, {1, 2}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {1, 2}

{a, b}

1, {1, 2}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {1, 2}, {a, b}

2, {1, 2}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {1, 2}, {a, b}

4, {3, 4}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {3, 4, 5}

3, {3, 4}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {3, 4, 5}

3, {3, 4}, {1, 2, 3, 4, 5}, {1, 2, 3, 4}, {3, 4, 5}, {c}

5, {5}, {1, 2, 3, 4, 5}, {5}, {3, 4, 5}

5, {5}, {1, 2, 3, 4, 5}, {5}, {3, 4, 5}, {d}

3, {3}, {3, 5}, {3}, {3, 4, 5}

3, {3}, {3, 5}, {5}, {3, 4, 5}, {c}

5, {5}, {3, 5}, {5}, {3, 4, 5}

5, {5}, {3, 5}, {5}, {3, 4, 5}, {d}