

Shared states:

$$Q = \{ 0, 1, 2, 3 \}$$

Thread 1:

$$\Sigma_1 = \{ 1, 2 \}$$

$$\Delta_1 = \{ f_1 : (0, 1) \rightarrow (1, 2) , \\ f_2 : (3, 2) \rightarrow (0, 1) \}$$

Thread 2:

$$\Sigma_2 = \{ 4, 5, 6 \}$$

$$\Delta_2 = \{ b_1 : (0, 4) \rightarrow (0, \varepsilon) , \\ b_2 : (1, 4) \rightarrow (2, 5) , \\ b_3 : (2, 5) \rightarrow (3, 46) \}$$

$$q^I = 0$$