

Assignment 1 Question 12

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Question 12

- a. Show $P_2 \approx P_3$, i.e., P_2 and P_3 are *bisimilar*.

Clearly, $p_0 \approx s_0$ as only a and b come out of both p_0 and s_0 . After trace a , in P_2 , p_0 goes to state p_1 ; in P_3 , s_0 goes to state s_1 . $p_1 \approx s_1$ since only a comes out of both p_1 and s_1 . $p_2 \approx s_2$ since a, b and c can be executed from both states. $p_3 \approx s_3$