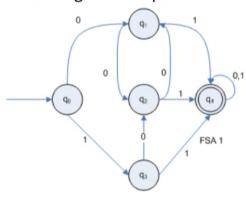
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> Tentukan pasangan mana yang distinguishable dan indistinguishable pada FSA 1

> > 20



Jawaban:

- ullet (q_0,q_1) distinguishable
- $\delta\left(q_{0},1
 ight)=q_{3}$
- $\delta\left(q_{1},1
 ight)=q_{4}$
- $\delta\left(q_{0},0
 ight)=q_{1}$
- $\delta\left(q_{1},0
 ight)=q_{2}$
- ullet (q_0,q_2) distinguishable
- $\delta\left(q_{0},1
 ight)=q_{3}$
- $\delta\left(q_{2},1\right)=q_{4}$
- $\delta\left(q_{0},0
 ight)=q_{1}$
- $\delta\left(q_{2},0
 ight)=q_{1}$
- (q_0,q_3) distinguishable
- $\delta\left(q_{0},1
 ight)=q_{3}$
- $\delta\left(q_{3},1
 ight)=q_{4}$
- $\delta\left(q_{0},0
 ight)=q_{1}$
- $\delta\left(q_{3},0
 ight)=q_{2}$
- ullet (q_0,q_4) distinguishable
- $\delta\left(q_{0},1
 ight)=q_{3}$
- $\delta\left(q_{4},1\right)=q_{4}$
- $\delta\left(q_{0},0
 ight)=q_{1}$

$$\delta\left(q_{4},0
ight)=q_{4}$$

- ullet (q_1,q_2) indistinguishable
- $\delta\left(q_{1},1
 ight)=q_{4}$
- $\delta\left(q_{2},1
 ight)=q_{4}$
- $\delta\left(q_{1},0
 ight)=q_{2}$
- $\delta\left(q_{2},0
 ight)=q_{1}$
- ullet (q_1,q_3) indistinguishable
- $\delta\left(q_{1},1\right)=q_{4}$
- $\delta\left(q_{3},1
 ight)=q_{4}$
- $\delta\left(q_{1},0
 ight)=q_{2}$
- $\delta\left(q_{3},0
 ight)=q_{2}$
- (q_1,q_4) distinguishable
- $\delta\left(q_{1},1
 ight)=q_{4}$
- $\delta\left(q_{4},1
 ight)=q_{4}$
- $\delta\left(q_{1},0
 ight)=q_{2}$
- $\delta\left(q_{4},0
 ight)=q_{4}$
- (q_2,q_3) indistinguishable
- $\delta\left(q_{2},1
 ight)=q_{4}$
- $\delta\left(q_{3},1
 ight)=q_{4}$
- $\delta\left(q_{2},0
 ight)=q_{1}$
- $\delta\left(q_{3},0
 ight)=q_{2}$
- ullet (q_2,q_4) distinguishable
- $\delta\left(q_{2},1
 ight)=q_{4}$
- $\delta\left(q_{4},1
 ight)=q_{4}$
- $\delta\left(q_{2},0
 ight)=q_{1}$
- $\delta\left(q_{4},0
 ight)=q_{4}$
- (q_3,q_4) distinguishable
- $\delta\left(q_3,1\right)=q_4$
- $\delta\left(q_4,1\right)=q_4$
- $\delta\left(q_{3},0
 ight)=q_{2}$
- $\delta\left(q_{4},0
 ight)=q_{4}$