

# ESERCITAZIONE - INTERSEZIONE

mercoledì 5 aprile 2023 14:36



$$Q_3 = \{ (q_0, 20), (q_0, 21), (q_0, 22), (q_0, 23), (q_1, 20), (q_1, 21), (q_1, 22), (q_1, 23), (q_2, 20), (q_2, 21), (q_2, 22), (q_2, 23), (q_3, 20), (q_3, 21), (q_3, 22), (q_3, 23) \}$$

$$\begin{aligned} \delta_3((q_0, 20), 0) &= (\delta_1(q_0, 0), \delta_2(20, 0)) = (q_1, 20) \\ \delta_3((q_0, 20), 1) &= (\delta_1(q_0, 1), \delta_2(20, 1)) = (q_0, 21) \\ \delta_3((q_1, 20), 0) &= (\delta_1(q_1, 0), \delta_2(20, 0)) = (q_1, 20) \\ \delta_3((q_1, 20), 1) &= (\delta_1(q_1, 1), \delta_2(20, 1)) = (q_0, 21) \\ \delta_3((q_0, 21), 0) &= (\delta_1(q_0, 0), \delta_2(21, 0)) = (q_1, 20) \\ \delta_3((q_0, 21), 1) &= (\delta_1(q_0, 1), \delta_2(21, 1)) = (q_0, 22) \\ \delta_3((q_0, 22), 0) &= (\delta_1(q_0, 0), \delta_2(22, 0)) = (q_1, 20) \\ \delta_3((q_0, 22), 1) &= (\delta_1(q_0, 1), \delta_2(22, 1)) = (q_0, 23) \\ \delta_3((q_0, 23), 0) &= (\delta_1(q_0, 0), \delta_2(23, 0)) = (q_1, 20) \\ \delta_3((q_0, 23), 1) &= (\delta_1(q_0, 1), \delta_2(23, 1)) = (q_0, 23) \\ \delta_3((q_1, 21), 0) &= (\delta_1(q_1, 0), \delta_2(21, 0)) = (q_1, 21) \\ \delta_3((q_1, 21), 1) &= (\delta_1(q_1, 1), \delta_2(21, 1)) = (q_0, 22) \\ \delta_3((q_1, 22), 0) &= (\delta_1(q_1, 0), \delta_2(22, 0)) = (q_1, 20) \\ \delta_3((q_1, 22), 1) &= (\delta_1(q_1, 1), \delta_2(22, 1)) = (q_0, 23) \\ \delta_3((q_1, 23), 0) &= (\delta_1(q_1, 0), \delta_2(23, 0)) = (q_1, 20) \\ \delta_3((q_1, 23), 1) &= (\delta_1(q_1, 1), \delta_2(23, 1)) = (q_0, 23) \\ \delta_3((q_2, 20), 0) &= (\delta_1(q_2, 0), \delta_2(20, 0)) = (q_2, 20) \\ \delta_3((q_2, 20), 1) &= (\delta_1(q_2, 1), \delta_2(20, 1)) = (q_0, 21) \\ \delta_3((q_2, 21), 0) &= (\delta_1(q_2, 0), \delta_2(21, 0)) = (q_2, 20) \\ \delta_3((q_2, 21), 1) &= (\delta_1(q_2, 1), \delta_2(21, 1)) = (q_0, 22) \\ \delta_3((q_2, 22), 0) &= (\delta_1(q_2, 0), \delta_2(22, 0)) = (q_2, 20) \\ \delta_3((q_2, 22), 1) &= (\delta_1(q_2, 1), \delta_2(22, 1)) = (q_0, 23) \\ \delta_3((q_2, 23), 0) &= (\delta_1(q_2, 0), \delta_2(23, 0)) = (q_2, 20) \\ \delta_3((q_2, 23), 1) &= (\delta_1(q_2, 1), \delta_2(23, 1)) = (q_0, 23) \\ \delta_3((q_3, 21), 0) &= (\delta_1(q_3, 0), \delta_2(21, 0)) = (q_3, 21) \\ \delta_3((q_3, 21), 1) &= (\delta_1(q_3, 1), \delta_2(21, 1)) = (q_0, 22) \\ \delta_3((q_3, 22), 0) &= (\delta_1(q_3, 0), \delta_2(22, 0)) = (q_3, 21) \\ \delta_3((q_3, 22), 1) &= (\delta_1(q_3, 1), \delta_2(22, 1)) = (q_0, 23) \\ \delta_3((q_3, 23), 0) &= (\delta_1(q_3, 0), \delta_2(23, 0)) = (q_3, 21) \\ \delta_3((q_3, 23), 1) &= (\delta_1(q_3, 1), \delta_2(23, 1)) = (q_0, 23) \end{aligned}$$

