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$$Q$$

$$\Sigma$$

$$\delta$$

$$\delta$$

$$q$$

$$\delta(q, a)$$

$$p$$

$$q$$

$$p^2$$

$$Q$$

$$F$$

$$Q$$

$$A = (Q, \Sigma, \delta, q_0, F)$$

$$A$$

$$Q$$

$$\Delta$$

$$\delta$$

$$q_0$$

$$F$$

$$a_1 \dots a_n$$

$$q_0$$

$$\delta(q_0, a_1) =$$

$$q_1$$

$$a_1$$

$$\delta(q_1, a_2) =$$

$$q_2$$

$$\delta(q_{i-1}, a_i) =$$

$$q_i$$

$$q_n$$

$$F$$

$$a_1 \dots a_n$$

$$L = \{w | w\} = \{01, 11010, 100011, \dots\}$$

$$L = \{x01y | x, y \in \{0, 1\}^*\}$$

$$\Sigma = \{0, 1\}$$

$$A$$

$$q_0$$

$$q_0$$

$$\delta(q_0, 1) =$$

$$q_0$$

$$q_2$$

$$\delta(q_0, 0) =$$

$$q_2$$

$$q_2$$

$$\delta(q_2, 0) =$$

$$q_2$$

$$q_1$$

$$\delta(q_2, 1) =$$

$$q_1$$

$$\delta(q_1, 0) =$$

$$\delta(q_1, 1) =$$

$$q_1$$

$$Q = \{q_0, q_1, q_2\} F = \{q_1\}$$

$$A = \{\{q_0, q_1, q_2\}, \{0, 1\}, \delta, q_0, \{q_1\}\}$$

$$\delta(q_0, 1) = q_0$$

$$\delta(q_0, 0) = q_2$$

$$\delta(q_2, 0) = q_2$$

$$\delta(q_2, 1) = q_1$$

$$\delta(q_1, 0) = q_1$$

$$\delta(q_1, 1) = q_1$$

$$\rightarrow$$

$$*$$

$$\delta$$

$$\rightarrow q_0 q_1 q_0$$

$$* q_1 q_1 q_1$$

$$q_2 q_2 q_1$$

$$0) 0$$

$$L = \{w \in \{a, b\}^* | \}$$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ 0) edge[bendleft] = \\ 25] nodeb(q_1) edge[loopbelow] nodea() (q_1) edge[bendleft] = \\ 25] nodeb(q_0) edge[loopbelow] nodea(); \\ q_0 \\ q_1 \\ b \\ q_0 \\ a \\ L = \{w \in \{a, b\}^* | \}$$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ 0) edge[bendleft] = \\ 25] nodeb(q_1) edge[loopbelow] nodea() (q_1) edge[bendleft] = \\ 25] nodeb(q_0) edge[loopbelow] nodea(); \\ q_0 \\ q_1 \\ b \\ q_1 \\ q \\ q_1 \\ q_0 \\ b \\ L = \{w \in \{0, 1\}^* | w = 0^n 1^m \}$$

Si
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pozzo
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vanno
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stringhe
venute
male
 $n, m \geq$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ E) \left| \begin{array}{l} right = \\ of q_1 \end{array} \right|_E \\ 0) edge node1(q_1) edge[loopbelow] node0() (q_1) edge node(q_E) edge[loopbelow] node1() (q_E) edge[loopbelow] node0, 1(); \\ q_0 \\ q_1 \\ n \geq \\ 0 \ m > \\ 0 \end{array}$$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ E) \left| \begin{array}{l} right = \\ of q_1 \end{array} \right|_E \\ 0) edge node1(q_1) edge[loopbelow] node0() (q_1) edge node(q_E) edge[loopbelow] node1() (q_E) edge[loopbelow] node0, 1(); \\ q_0 \\ n > \\ 0 \ m \geq \\ 0 \end{array}$$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ 2) \left| \begin{array}{l} right = \\ of q_1 \end{array} \right|_2 \\ E) \left| \begin{array}{l} right = \\ of q_2 \end{array} \right|_E \\ 0) edge node0(q_1) edge[bendrigh] node1(q_E) (q_1) edge node1(q_2) edge[loopabove] node0() (q_2) edge node0(q_E) edge[loopabove] node0, 1(); \\ CHIARIRE \\ n, m > \\ 0 \end{array}$$

$$\begin{array}{l} 0)0 \\ 1) \end{array} \left| \begin{array}{l} right = \\ of q_0 \end{array} \right|_1 \\ 2) \left| \begin{array}{l} right = \\ of q_1 \end{array} \right|_2 \\ E) \left| \begin{array}{l} right = \\ of q_2 \end{array} \right|_E \\ 0) edge node0(q_1) edge[bendrigh] node1(q_E) (q_1) edge node1(q_2) edge[loopabove] node0() (q_2) edge node0(q_E) edge[loopabove] node0, 1(); \\ CHIARIRE \end{array}$$

$$L = \{w \in \{a, b\}^* | \}$$

$$\begin{aligned} &0)_{pp} \\ &1) \text{right} = \\ &ofq_0]_{dp} \\ &2) \text{below} = \\ &ofq_0]_{pd} \\ &3) \text{right} = \\ &ofq_2]_{dd} \\ &0) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_1) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{left}] b(q_2)(q_1) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_0) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{left}] b(q_3)(q_2) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{right}] b(q_0) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_3)(q_3) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{right}] b(q_1) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_2); \\ &L = \{w \in \{a, b\}^* | \} \end{aligned}$$

$$L = \{a^{2n}b^{2k+1} | j, k \geq 0\}$$

$$\begin{aligned} &0)_{\emptyset} \\ &1) \text{right} = \\ &ofq_0]_1 \\ &2) \text{below} = \\ &ofq_0]_2 \\ &3) \text{right} = \\ &ofq_2]_3 \\ &4) \text{right} = \\ &ofq_3]_E \\ &0) \text{edge} \text{bendleft} = \\ &25] \text{node} b(q_1) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{left}] a(q_2)(q_1) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_4) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{left}] b(q_3)(q_2) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{below}] b(q_4) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{right}] a(q_0)(q_3) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{right}] b(q_1) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_4); \\ &\delta \\ &\rightarrow \begin{matrix} q_0 & q_1 & q_2 \\ q_1 & q_0 & q_E \\ *q_2 & q_E & q_3 \\ q_3 & q_E & q_2 \\ q_E & q_E & q_E \end{matrix} \\ &L = \{a^{2k+1}b^{2h} | h, k \geq 0\} \end{aligned}$$

$$\begin{aligned} &0)_{\emptyset} \\ &1) \text{right} = \\ &ofq_0]_1 \\ &3) \text{right} = \\ &ofq_1]_3 \\ &2) \text{below} = \\ &ofq_1]_2 \\ &4) \text{right} = \\ &ofq_2]_4 \\ &5) \text{right} = \\ &ofq_4]_E \\ &0) \text{edgenode} \text{bendleft} = \\ &25] a(q_1)(q_1) \text{edge} \text{bendleft} = \\ &25] \text{node} a(q_2) \text{edgenode} \text{bendleft} = \\ &25] b(q_3)(q_2) \text{edge} \text{bendleft} = \\ &25] \text{node} [\text{left}] a(q_1)(q_3) \text{edge} \text{bendright} = \\ &25] \text{node} [\text{left}] b(q_4)(q_4) \text{edge} \text{bendright} = \\ &25] \text{node} (q_3); \\ &L = \{a^{2n+1}b^{2k+1} | n, k \geq 0\} \end{aligned}$$

$$\begin{aligned} &0)_{\emptyset} \\ &1) \text{right} = \\ &ofq_0]_1 \\ &3) \text{right} = \\ &ofq_1]_3 \\ &2) \text{below} = \\ &ofq_1]_2 \\ &4) \text{right} = \\ &ofq_2]_4 \\ &5) \text{right} = \\ &ofq_4]_E \\ &0) \text{edgenode} \text{bendleft} = \end{aligned}$$