

DTS pre palindrom

$$\Sigma = \{0, 1\} \quad (1)$$

$$\Gamma = \{0, 1, \bar{0}, \bar{1}, \#\} \quad (2)$$

$$K = \{q_0, \vec{q}_0, \vec{q}_1, \vec{Q}_0, \vec{Q}_1, \overleftarrow{q}, q_F\} \quad (3)$$

$$F = \{q_F\} \quad (4)$$

$$(q_0, a) = (\vec{q}_a, \bar{a}, 1) \quad a \in \{0, 1\} \quad (5)$$

$$(6)$$

$$(\vec{q}_a, b) = (\vec{q}_a, b, 1) \quad b \in \{0, 1\} \quad (7)$$

$$(\vec{q}_a, B) = (\vec{Q}_a, \#, -1) \quad (8)$$

$$(\vec{q}_a, \bar{b}) = (\vec{Q}_a, b, -1) \quad b \in \{0, 1\} \quad (9)$$

$$(10)$$

$$(\vec{Q}_a, a) = (\overleftarrow{q}, \bar{a}, -1) \quad (11)$$

$$(12)$$

$$(\overleftarrow{q}, b) = (\overleftarrow{q}, b, -1) \quad b \in \{0, 1\} \quad (13)$$

$$(\overleftarrow{q}, \bar{a}) = (q_0, a, 1) \quad (14)$$

$$(15)$$

$$(\vec{Q}_a, \bar{a}) = (q_F, a, 0) \quad |w| = 2k + 1 \quad (16)$$

$$(q_0, \bar{a}) = (q_F, a, 0) \quad |w| = 2k \quad (17)$$