

Review 25

Automata & Theory of Computation

Student ID:

Name:

1. Fill the blank using the Turing machine

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

$$\Sigma = \{a, b\},$$

$$\Gamma = \{a, b, \square\},$$

$$F = \{q_1\},$$

and

$$\delta(q_0, a) = (q_0, b, R),$$

$$\delta(q_0, b) = (q_0, b, R),$$

$$\delta(q_0, \square) = (q_1, \square, L).$$

q_0

	<i>a</i>	<i>a</i>		
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$q_0 aa \vdash \boxed{} \vdash \boxed{} \vdash \boxed{}$