

Ex 1

$$(a^*bc)^* + (bc)^*a \\ \Rightarrow_0 (a_1^*b_2c_3)^* + (b_4c_5)^*a_c$$

$$\delta(0, a) = \{1, 6\} \checkmark$$

$$\delta(0, b) = \{2, 4\} \checkmark$$

$$\delta(\{1, 6\}, a) = \{1\}$$

$$\delta(1, a) = \{1\}$$

$$\delta(\{1, 6\}, b) = \{2\}$$

$$\delta(1, b) = \{2\}$$

$$\delta(\{2, 4\}, a) = \emptyset$$

$$\delta(2, a) = \emptyset$$

$$\delta(\{2, 4\}, b) = \emptyset$$

$$\delta(2, b) = \emptyset$$

$$\delta(2, c) = \{3\}$$

$$\delta(\{2, 4\}, c) = \{3, 5\}$$

$$\delta(3, a) = \{1, 6\}$$

$$\delta(\{3, 5\}, a) = \{1, 6\}$$

$$\delta(3, b) = \{2, 4\}$$

$$\delta(3, c) = \{3\}$$

$$\delta(\{3, 5\}, b) = \{2, 4\} \quad \text{X}$$

$$\delta((3, 5), c) = \{3, 5\}$$

