

$$\{\}$$

(i)

$$\{o_1\{\} : \text{INS}(x, 1)\}$$

(ii)

$$\left\{ \begin{array}{l} o_1\{\} : \text{INS}(x, 1), \\ o_4\{o_1\} : \text{INS}(b, 2) \end{array} \right\}$$

(iii)

$$\left\{ \begin{array}{l} o_1\{\} : \text{INS}(x, 1), \\ o_2\{o_1\} : \text{DEL}(1), \quad o_4\{o_1\} : \text{INS}(b, 2) \\ o_2\{o_1, o_4\} : \text{DEL}(1), \quad o_4\{o_1, o_2\} : \text{INS}(b, 1) \end{array} \right\}$$

(iv)

$$\left\{ \begin{array}{l} o_1\{\} : \text{INS}(x, 1), \\ o_2\{o_1\} : \text{DEL}(1), \quad o_3\{o_1\} : \text{INS}(a, 1), \quad o_4\{o_1\} : \text{INS}(b, 2) \\ o_3\{o_1, o_2\} : \text{INS}(a, 1), \quad o_4\{o_1, o_2\} : \text{INS}(b, 1) \\ o_2\{o_1, o_3\} : \text{DEL}(2), \quad o_2\{o_1, o_4\} : \text{DEL}(1) \\ o_3\{o_1, o_2, o_4\} : \text{INS}(a, 2), \quad o_4\{o_1, o_2, o_3\} : \text{INS}(b, 1) \end{array} \right\}$$

(v)