

$$\begin{aligned} \text{ins}(S, a) : \quad & S'_x := S_x \vee x = a \\ & b' := (b \wedge S_a) \vee (\neg b \wedge \neg S_a) \end{aligned}$$

$$\begin{aligned} \text{del}(S, a) : \quad & S'_x := S_x \wedge x \neq a \\ & b' := (b \wedge \neg S_a) \vee (\neg b \wedge S_a) \end{aligned}$$