

$$\left\{ \begin{array}{ll} (s_0, a) \circledast (s_0, a), & (s_0, b) \circledast (s_1, a), \\ (s_1, a) \circledast (s_2, a), & (s_1, b) \circledast (s_1, a), \\ (s_2, a) \circledast (s_0, a), & (s_2, b) \circledast (s_1, b) \end{array} \right\}$$