$$P(d'=1|x_1, x_2, d) = \begin{cases} 0.7\\ 0.3 \end{cases}$$

$$P(x_1'|x_1, x_2, d) = \delta \begin{pmatrix} x_1' - \begin{cases} d \wedge (x_1 + a_1 + x_2 - 150 \le C) : & x_1 + a_1 - 150 \\ d \wedge (x_1 + a_1 + x_2 - 150 \ge C) : & x_1 - 150 \\ \neg d \wedge (x_1 + a_1 + x_2 - 50 \le C) : & x_1 + a_1 - 50 \\ \neg d \wedge (x_1 + a_1 + x_2 - 50 \ge C) : & x_1 - 50 \end{pmatrix}$$

$$\left(\begin{array}{c} \neg d \wedge (x_1 + a_1 + x_2 - 50 \ge C) : & x_1 - 50 \end{array} \right)$$

$$P(x_2'|x_1, x_2, d) = \delta \left(\begin{array}{c} d \wedge (x_2 + a_2 + x_1 - 150 \le C) : & x_2 + a_2 - 150 \\ d \wedge (x_2 + a_2 + x_1 - 150 \ge C) : & x_2 - 150 \\ \neg d \wedge (x_2 + a_2 + x_1 - 50 \le C) : & x_2 + a_2 - 50 \\ \neg d \wedge (x_2 + a_2 + x_1 - 50 \ge C) : & x_2 - 50 \end{array} \right)$$