$$\begin{aligned} A + B & \xrightarrow[k_{-1}]{k_{1}} c \\ 0 & A_{0}^{+} B^{+} C \xrightarrow{k_{s}} D \end{aligned}$$

$$A_0 = 50$$

$$B_0 = 25$$

$$C_0 = 0$$

$$D_0 = 0$$

$$B_0 = 25$$

$$C_0 = 0$$

$$D_0 = 0$$