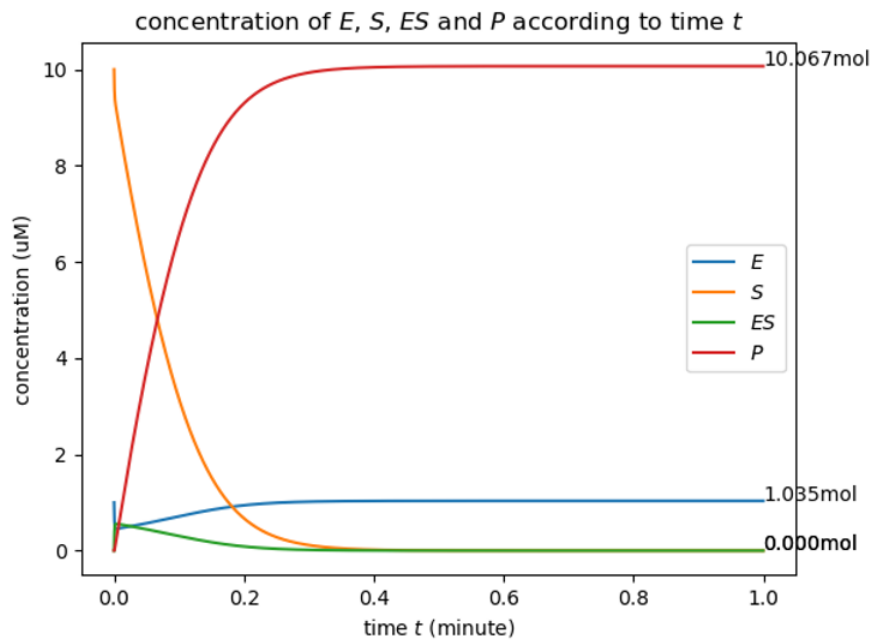


8.1

$$\begin{aligned} d[E]/dt &= -k_1 [E][S] + (k_2+k_3) [ES] \\ d[S]/dt &= k_2 [ES] - k_1[E][S] \\ d[ES]/dt &= k_1 [E][S] - (k_2+k_3) [ES] \\ d[P]/dt &= k_3 [ES] \end{aligned}$$

8.2



8.3

