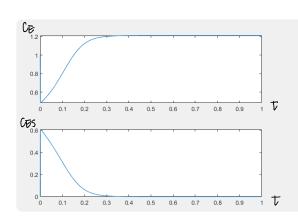
$$2 \cdot 1 \qquad \frac{dC_{\overline{e}}}{dt} = k_{\overline{e}} C_{\overline{e}} S + k_{\overline{e}} C_{\overline{e}} S - k_{\overline{e}} C_{\overline{e}} C_{\overline{e}} S$$

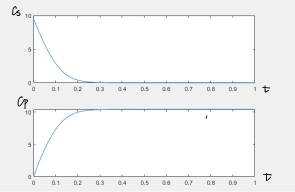
$$\frac{dCs}{dv} = k_2 C_{ES} - k_1 C_{EC}$$

$$\frac{dC_{ES}}{dt} = K_1C_EC_S - K_2C_{ES} - K_3C_{ES}$$

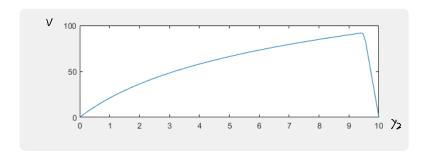
$$\frac{dCP}{dt} = k_3 CES$$

$$\frac{dcp}{dt} = 150 CBS$$





2,3



The maximum value Vm is 90.7489