



$$E_0 = 0$$

$$R_0 = 3.27$$

$$B_1 = 1.15$$

$$B_2 = 1.12$$

$$\beta = 0.4$$

$$\gamma = 0.11$$

$$\delta = 0.01$$

$$k_1 = 0.04$$

$$k_2 = 0.06$$

$$\lambda_1 = 0.03$$

$$\lambda_2 = 0.05$$

$$S_{C0} = 0$$

$$S_{H0} = 1$$

$$S_{A0} = 0$$