$$9 = \frac{110 - 100e^{\frac{1}{3}}}{110 - 50} = \frac{1}{3}e^{\frac{1}{3}}$$

$$V_6 = e^{-\frac{1}{4}} \left(\frac{1}{3} e^{\frac{1}{4}} \times 10 + (1 - \frac{1}{3} e^{\frac{1}{4}}) \times o \right) = 6.2$$

T & 0.3011



continously compound (= 5%.

$$9 = \frac{120 - 100e^{5} / 60t}{120 - 80} = \frac{6 - 5e^{5} / 60t}{2}$$

 $V_0 = e^{-5\% \delta t} \left(\frac{b-te^{5\% \delta t}}{2} \right) \times \delta = 6.24$



continously compound ~= 5%.

9= 175-Se3/x= 175-Soe 5/x= 175-Soe 5/x= 2

Vo= e 5/x = (175-Soe 5/x= 2 Po xo+ (1- 175-Soe) x 55) = 1.



continously compound r= 5%.

 $b = \frac{V_{+} - V_{-}}{S_{+} - S_{-}} = \frac{20 - 0}{S_{0} - 50} = \frac{2}{3}$

= e-5% (20-3x80) = -31.7076, 7 hornw31.7076.

$$V_{1} = e^{-s^{6} \times \frac{1}{2}} (9^{2} \times 2 + (1 - 9^{2}) \times 0) \approx 0.7284$$

$$V_{2} = e^{-s^{6} \times \frac{1}{2}} (9^{2} \cdot 38 + (1 - 9^{2}) \times 2) = e^{-s^{6} \times \frac{1}{2}} (0.3734 \times 38 + 0.6266 \times 2) \approx 15.06$$

$$V_{0} = e^{-s^{6} \times \frac{1}{2}} (9_{1} \times 15.06 + (1 - 9^{2}) \times 0.7284)$$

$$= e^{-s^{6} \times \frac{1}{2}} (0.3734 \times 15.06 + 0.6266 \times 0.7284)$$

$$\approx 5.93$$

$$b = \frac{V_7 - V_7}{S_7 - S_7} = \frac{108 - k - 0}{108 - 7^2} = 0.5 \quad k = 90.$$