(.3)

$$\alpha_3 = 1.3818 - \frac{1.3818^5 - 5}{4 \times 1.3818^4} = 1.3792$$

$$\alpha_4 = 1.3792 - \frac{1.3792^5 - 5}{4 \times 1.3792^4} = 1.3799$$

$$\alpha_5 = 1.3799 - \frac{1.3799^5 - 5}{4 \times 1.3799^4} = 1.3797$$

$$\alpha_6 = 1.3797 - \frac{1.3797^5 - 5}{4 \times 1.3797^4} = 1.3797$$

ANS = $\underline{\underline{1.3797}}$