

Question #136

Answer: B

$$l_{[60]+.6} = (.6)(79,954) + (.4)(80,625) \\ = 80,222.4$$

$$l_{[60]+1.5} = (.5)(79,954) + (.5)(78,839) \\ = 79,396.5$$

$${}_{0.9}q_{[60]+.6} = \frac{80222.4 - 79,396.5}{80,222.4} \\ = 0.0103$$

$$P_0 = \frac{1}{11} = 9.0909\%$$