

**Question #242****Answer: C**

$$\begin{aligned} {}_{11}AS &= \frac{({}_{10}AS + G - c_{10}G - e_{10})(1+i) - 10,000q_{x+10}^{(d)} - {}_{11}CV q_{x+10}^{(w)}}{1 - q_{x+10}^{(d)} - q_{x+10}^{(w)}} \\ &= \frac{(1600 + 200 - (0.04)(200) - 70)(1.05) - (10,000)(0.02) - (1700)(0.18)}{1 - 0.02 - 0.18} \\ &= \frac{1302.1}{0.8} \\ &= 1627.63 \end{aligned}$$