

## Question #194

Key: B

$$\hat{v} = \widehat{EVPV} = \frac{50(200 - 227.27)^2 + 60(250 - 227.27)^2 + 100(160 - 178.95)^2 + 90(200 - 178.95)^2}{1+1}$$

$$= 71,985.647,$$

$$\hat{k} = 71,985.647 / 651.03 = 110.57,$$

$$\hat{Z} = \frac{110}{110 + 110.57} = 0.499.$$