

## Question #223

Key: D

$$EVPV = \hat{v} = \frac{25(480 - 472.73)^2 + 30(466.67 - 472.73)^2}{2 - 1} = 2423.03 \quad \text{where } 480 = 12,000/25,$$

$466.67 = 14,000/30$ , and  $472.73 = 26,000/55$ .

$$k = 2423.03 / 254 = 9.54; \quad Z = \frac{55}{55 + 9.54} = 0.852$$