197. For a special 3-year term insurance on (x), you are given:

(iv) Z is the present-value random variable for this insurance.

(v) $q_{x+k} = 0.02(k+1), \qquad k = 0, 1, 2$

(vi) The following benefits are payable at the end of the year of death:

k	b_{k+1}
0	300
1	350
2	400

(iv) $i = 0.06$

Calculate $\text{Var}(Z)$.

(A) 9,600

(B) 10,000

(C) 10,400

(D) 10,800

(E) 11,200