

162. For a fully discrete 5-payment 10-year decreasing term insurance on (60) , you are given:

- (i) The death benefit during year $k + 1$ is $b_{k+1} = 1000(10 - k)$, $k = 0, 1, 2, \dots, 9$
- (ii) Level benefit premiums are payable for five years and equal 218.15 each.
- (iii) $q_{60+k} = 0.02 + 0.001k$, $k = 0, 1, 2, \dots, 9$
- (iv) $i = 0.06$

Calculate ${}_2V$, the benefit reserve at the end of year 2.

- (A) 70
- (B) 72
- (C) 74
- (D) 76
- (E) 78