

231. For a whole life insurance of 1000 on (80), with death benefits payable at the end of the year of death, you are given:

(i) Mortality follows a select and ultimate mortality table with a one-year select period.

(ii) $q_{[80]} = 0.5 q_{80}$

(iii) $i = 0.06$

(iv) $1000A_{80} = 679.80$

(v) $1000A_{81} = 689.52$

Calculate $1000A_{[80]}$.

(A) 655

(B) 660

(C) 665

(D) 670

(E) 675