

222. For a fully discrete whole life insurance of 25,000 on (25), you are given:

(i) $P_{25} = 0.01128$

(ii) $P_{25:\overline{15}|}^{\frac{1}{2}} = 0.05107$

(iii) $P_{25:\overline{15}|} = 0.05332$

Calculate the benefit reserve at the end of year 15.

(A) 4420

(B) 4460

(C) 4500

(D) 4540

(E) 4580