

156. For a fully discrete whole life insurance of b on (x) , you are given:

(i) $q_{x+9} = 0.02904$

(ii) $i = 0.03$

(iii) The benefit reserve at the start of year 10, after the premium is paid is 343.

(iv) The net amount at risk for year 10 is 872.

(v) $\ddot{a}_x = 14.65976$

Calculate the benefit reserve at the end of year 9.

(A) 280

(B) 288

(C) 296

(D) 304

(E) 312