

77. You are given:

(i) $P_x = 0.090$

(ii) The benefit reserve at the end of year n for a fully discrete whole life insurance of 1 on (x) is 0.563.

(iii) $P_{x:n}^1 = 0.00864$

Calculate $P_{x:n}^1$.

(A) 0.008

(B) 0.024

(C) 0.040

(D) 0.065

(E) 0.085