

267. You are given:

(i) $\mu_x = \sqrt{\frac{1}{80-x}}, 0 \leq x < 80$

(ii) F is the exact value of $S_0(10.5)$.

(iii) G is the value of $S_0(10.5)$ using the constant force assumption for interpolation between ages 10 and 11.

Calculate $F - G$.

(A) -0.01083

(B) -0.00005

(C) 0

(D) 0.00003

(E) 0.00172