

161. You are given:

(i) $\ddot{e}_{30:\overline{40}|} = 27.692$

(ii) $S_0(t) = 1 - \frac{t}{\omega}, \quad 0 \leq t \leq \omega$

(iii) T_x is the future lifetime random variable for (x) .

Calculate $\text{Var}(T_{30})$.

(A) 332

(B) 352

(C) 372

(D) 392

(E) 412