

207. You are given the survival function

$$S_0(t) = 1 - (0.01t)^2, \quad 0 \leq t \leq 100$$

Calculate ${}^{\circ}e_{30:\overline{50}|}$, the 50-year temporary complete expectation of life of (30).

- (A) 27
- (B) 30
- (C) 34
- (D) 37
- (E) 41