

**266.** For (80) and (85) with independent future lifetimes, you are given:

- (i) Mortality follows  ${}_t p_0 = 1 - \frac{t}{110}, 0 \leq t \leq 110$ .
- (ii)  $G$  is the probability that (80) dies after (85) and before 5 years from now.
- (iii)  $H$  is the probability that the first death occurs after 5 and before 10 years from now.

Calculate  $G + H$ .

- (A) 0.25
- (B) 0.28
- (C) 0.33
- (D) 0.38
- (E) 0.41