

200. The graph of a piecewise linear survival function, $S_0(t)$, consists of 3 line segments with endpoints $(0, 1)$, $(25, 0.50)$, $(75, 0.40)$, $(100, 0)$.

Calculate $\frac{{}_{20|55}q_{15}}{{}_{55}q_{35}}$.

(A) 0.69

(B) 0.71

(C) 0.73

(D) 0.75

(E) 0.77