

## Question #271

Answer: B

$$\bar{A}_{30:50}^1 = \int_0^{\infty} e^{-\delta t} {}_t p_{30} {}_t p_{50} \mu_{30+t} dt = \int_0^{\infty} e^{-0.03t} e^{-0.05t} e^{-0.05t} 0.05 dt = \frac{0.05}{0.13} = 0.3846$$