

Question #101

Key: B

Model Solution:

$$\begin{aligned}\text{Mean excess loss} &= \frac{E(X) - E(X \wedge 100)}{1 - F(100)} \\ &= \frac{331 - 91}{0.8} = 300\end{aligned}$$

$$E(X) = E(X \wedge 1000) \text{ since } F(1000) = 1.0$$