

$$\text{變異數} = \frac{1-p}{p^2} = 4.206$$

$$p = 0.38006$$

$$\text{且 } p = 1 - (1-x)^6(1.01)^{15}$$

$$x = 0.0999981773 \approx 0.1$$

$$E[X] = \frac{1}{p} = \frac{1}{1-(1-x)^4(1.01)^{14}} = 4.06785$$