$N_0 = 100 = K$

prawd. rozpadu $p_d = \frac{1}{6}$

prawd. przeżycia $p_s = \frac{5}{6}$

2 sym.: $\langle T \rangle \approx 30$

The distributions is discrete and in exp. function 0 is in ∞ therefor the smallest number of dice is 1

$$\tau = -\frac{1}{\ln p_s} \approx 5,48 \text{ throws}$$

$$\lambda = \frac{1}{\tau}$$

$$N(t) = N_0 e^{-\lambda t} = 1$$

$$\frac{1}{N_0} = e^{-\lambda t} / \ln$$

$$\ln \frac{1}{N_0} = -\lambda t$$

$$t = \frac{\ln \frac{1}{N_0}}{-\lambda} = \frac{\ln N_0}{\lambda} \approx 25$$