Tz
$$N = np = 6$$
 $T^2 = np(1-p) = 5.7$
 $P(S_{100} \ge 10) = 1-2(\frac{4}{16.7}) = 0.047$

$$T_{3} = NP = 193.92 \qquad d^{2} = NP(-P) = 7.7568$$

$$P(S_{102} \leq 200) = 2 \neq \frac{6.08}{17.7568}) = 0.985$$

$$\begin{array}{cccc}
T_{Y} & P(S_{1500} > 15) = 1 - 2 & \frac{3}{15} & = 0.09 \\
P(S_{1500} > 15) = 1 - 2 & \frac{3}{15} & = 0.09 \\
P(S_{1500} > 15) = 2 \times P(S_{1500} > 15) = 0.19 \\
2) & P(S_{X} \leq 10) = 2 & (10) & \\
3 & 2 & 1 - P(S_{1500} > 12) & < 0.04
\end{array}$$

32
$$2[I-P(S_x \le 10)] \le 0.04$$

8P $P(S_x \le 10) \ge 0.98$

$$T_{5} = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$2x = \int_{0}^{\infty} b x^{2} (1 + x) dx = \frac{1}{2}$$

$$T_{b} \quad \exists X_{1} = \frac{1}{X} \qquad \exists X_{2} = \int_{10}^{+\infty} \lambda \times e^{\lambda \times} dx = -x e^{\lambda \times \left| \frac{1}{10} - \frac{1}{X} e^{\lambda \times \left| \frac{1}{10} \right|} \right|} \\ = 10 e^{10\lambda} + \frac{1}{X} e^{10\lambda} = (10 + \frac{1}{N}) e^{10\lambda} \\ \exists X_{2}^{2} = \int_{10}^{+\infty} \lambda \times e^{\lambda \times} dx = -x e^{\lambda \times \left| \frac{1}{10} \right|} + 2 \exists X_{2} \\ = 120 + \frac{1}{X} e^{10\lambda} \\ T_{2}^{2} = \exists X_{2}^{2} - (\exists X_{2})^{2} \\ P(T_{1}) \sim N(\exists X_{1}, n_{1}T_{1}^{2}) \\ P(T_{2}) \sim N(\exists X_{2}, n_{2}T_{2}^{2}) \\ P(T_{1} + T_{2}) \sim N(\exists X_{1} + \lambda_{2}T_{2}^{2}) \\ P(T_{1} + T_{2}) \sim N(\exists X_{1} + \lambda_{2}T_{2}^{2})$$