```
152
P_{ij} E\left(\frac{1}{n} \sum_{i=1}^{n} x_n^2\right) = E\left(x_n^2\right) = \int x^2 \lambda e^{-\lambda^2} dx = \frac{2}{x^2}
               (2) \frac{1}{50} = \frac{1}{100} = \frac{1}{25} = \frac{1}
                     100 EXi2~ N(x2, 100) 4 ).
                                                         (1009 \times 10^{2} \le \frac{2}{3^{2}}) = 0.5
                                                                                                                                                                                                                                                        1. EX = 1.3
                                                                                                                                               0.2
                                                                                                 P ( Z X2 > 1000) = $ $ (1.81) = 96.48%.
```

*
$$P(X_i = 0) = 0.2$$
 $P(X_i = 1) = 0.16$
 $P(X_i = 2) = 0.128$ $P(X_i = 4) = 0.512$
 $E(X_i) = 2.464$ $P(X_i) = 2.793$
 $P(Z_{X_i} = 220) = 10$

(1)
$$\times \sim (0, \frac{1}{16})$$