1301 Binomial distribution X-number of experiments over the corresponding constant P-0,9 conflerel X~ Bin (15, p)  $P(X=15) = P^{15} \cdot 9^{0} = 0,205$ (b) 1 0,25

[1302]
$$X - \text{life fine of el bulb} \qquad x = 1000$$

$$f_{X}(x) = \frac{1}{0}e^{\frac{x}{0}} \qquad x > 0$$

$$0 - \text{mean life fine} \qquad conf. |\text{evel 0,95}|$$

$$0 - \text{mean life fine} \qquad d = 0.05$$

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$$P(a_2(x) < P < a_1(x)) = 0.95$$
  
 $I_0 = (975,61), 1085,64$ 

$$\chi^{2}(2) = 0.05$$

 $\chi^2$  (2) = 7.38