$$n_2 = 3$$

$$P(X \gg 3) \gg P(Y \gg 2)$$

$$\frac{\binom{5}{3} p^{3} (1-p)^{2} + \binom{5}{4} p^{4} (1-p)' + \binom{5}{5} p^{5} (1-p)^{\circ}}{f_{x}(3)} \ge \binom{3}{2} p^{2} (1-p)' + \binom{3}{3} p^{3} (1-p)^{\circ}}{f_{x}(3)}$$

$$\Rightarrow 6p^{3}-15p^{2}+12p-3 \ge 0$$

$$6(p-1/2)(p-1)^{2} \ge 0$$

$$p \ge 1/2$$

$$P(Powetin geri alinmosi) = P(X \ge 2)$$

$$=1-f(0)-f(1)$$

$$=1-\binom{10}{0}(0.05)^{\circ}(0.95)^{\circ}-\binom{10}{1}(0.05)^{\circ}(0.95)^{9}$$

$$= 0.0861$$

a)
$$P(X=0) = \binom{10}{0} (0.05)^{0} (0.95)^{10} = 0.5987$$

> sorumen basinda bulundi!

$$P(Y=1) = {3 \choose 1} (0.0861)^{1} (0.9139)^{2} = 0.2157$$