Probability

15 x 14 x 13 x x 8 = 0.10/2 0.042 $P = \frac{5 \times 4 \times 5 \times 7 \times 6 + 5 \times 4 \times 5}{10^{5}}$ $\binom{8}{5} p^{5} (1-p)^{3} = \frac{0.0000}{0.0000}$ 2. $P(B) = \frac{1}{36} P(A) = (\frac{1}{2})^3 \times 3 + (\frac{1}{2})^3 = \frac{1}{2} P(A \wedge B) = \frac{3}{13} = \frac{1}{12}$ 3. - .. P(ANB) = P(A) . P(B) : independent independent 20 40 $\frac{12}{51}$ $\frac{1}{50}$ $\frac{10}{49}$ $\frac{9}{48}$ = 0.00 |98| 4. - geometric distribution: EIX] = = 504.80 $P_{s} = {5 \choose 4} \cdot .1^{4} \cdot .3$ 5. Pas = (5) 0.5 5 (2,6,7,8) 0.75 /5 0.75 /s + 0.25 /as = 0.873

(8:81)

(2,2,3)