= Tema - LAB 1 =

Alogen plimuzinele in C11 moduri = 55 }) 3300 cf.

Colorioletele in C3 moduri = 20 }) 3300 cf.

Alegen un tuplu de 6 outoturisme in Cô modui = 38.760 c.p.

= $P = \frac{CP}{CP} = \frac{3300}{38.760} = 0,085$

5 a) Chicirea a 6 mr. cartigatoure la 6/49 ore prob. de

(C69) = 13.983.816

Extragelle uni bob de grân din 20.000.000 boolse e

10.000.000

b) Chicirea a 5 sou 6 noi. castigatoure la 6/49 are prob.

 $(C_{49})^{-1} + (C_{6}^{5} \cdot C_{43}^{1})^{40} = \frac{1}{13.983.816} + \frac{1}{54.201}$

Extragelea unui bob de grân din 150.000 boolee e

150.000

6 Presupernem capupeten analisa occessi roata de mai multivori: Andisan notile prosi (A) în (3 modui = 15) =) 300 cf.
Laborte (C) în (3 moduri = 4) Andisam un grup de 6 noti in C6 moduri = 5005 cp. 3) p 3 Cp 3 300 3 0,059 (8) Alegrea a celor 2 pagini din C10 = 45 de moduri = => P= 1= = 0,022 9 Cz: C6. C43 = 13.983.816 $C_{1}^{1}: C_{6}^{5}.C_{43}^{1} = \frac{1}{54201}$

Da) ANBNE

6) ANBNC

C) ANBAC

d) AUBUC

e) (ANBNE) U(ANBNC) U(ANBNC)

E) (AOBOC) U(AOBOC) U(AOBOC) U(AOBOC)

g) ĀNBNC

R) (ANBNC) U(ANBNC) U(ANBNC)

(A1 NA2 NA3 NA4 NA5) U (A1 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (A1 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (A1 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (A1 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (A4 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (
(A1 NA2 NA3 NA4 NA5) U (
(A2 NA2 NA3 NA4 NA5) U (
(A3 NA2 NA3 NA4 NA5) U (
(A4 NA3 NA4 NA5) U (
(

```
(13) Ner format en cele 5 cantonaise este abede:
          X = 10.000 a + 1.000 b + 1000 + 10 d + e
   =) Carwin fortorabile: A10 3 30.240
          Carwin posibile
           X: 495 (3) (X: 5)
X: 49
             X:5 3) e e (0,5)
             x = (9+6+c+d+e) + (9999a + 9996 + 99c + 9d) (3) (a+6+c+d+e);9
               x = (a - b + c - d + e) + (9999a + 1001b+99c + 21d) (2) (a - b + c - d + e):11
               x : 70
             a + 5 + c + d + e
                  10 & a+b+c+d+e & 35 =) a+b+c+d+e e [18,24]
CI: attc+dte = 18
                     a-b+c-d+e = 18-2(b+d) =)(a-b+c-d+e); 2 }=)
                       3) [a-btc-d+e| 218 3) a-btc-d+e=0 3) atctes b+d39
            CI1: 2:0) atc:6+d:9) (a,c), (b,d) e (1,8), (2,7),...,(8,1)
                        =) 8.6=48 m. (*)
           CI.2: 2 = 5 =) Q+C = 4 = b+d=9 =) (a,c):(b,d) =
                     \xi = \frac{1}{2} (0, 4) / (4, 0) = \frac{1}{3} (1, 8) / (2, 4) / (3, 6) / (6, 3) / (4, 2) / (8, 1) = \frac{1}{3} (1, 3) / (3, 1) + \frac{1}{3} (2, 1) / (3, 1) = \frac{1}{3} (1, 3) / (3, 1) + \frac{1}{3} (1, 3) / (3, 1) = \frac{
          3) 2.6+2. 4 220 mg. (* *)
            (*),(**) =) 68 cf.
```

CII: atbtc+d+e = 27 a-b+c-d+e = 24-2(b+d) =) a-b+c-d+e /2 = 24 2 a - b + c - d+2 = 24 - 2(9+8) = -4 =) a-b+c-d+e e fo, (1), 223 =) J) a-b+c-d+6 = 24-2(P+q) = 11 3) p+q =8 1 atcte = 19 CI.1: e = 0 =) a+ C = 19 a+C £ 17 00 CI.2: 235 3) a+C = 14 3) (a,c), (b,d) = {(8,6)(6,8), (1,7)(7,1)} 5) 2.256 ma. (***) (#), (**), (** *) > 68+4=72 cf =) p = cp = 30.240 P(A) + P(B) - P(A) P(B/A) =0,5 (15) P(AUB) = 0,5 (3) P(A) + P(B) - P(A OB) = 0,5 P(AUB) = 0,1 (3) P(A) + 1-P(B) - P(A UB) = 0,1 P(A) + 1 - P(B) - P(A) P(BIA) = 0,1 3) 1+2P(A) - P(A)(P(B|A) + P(B|A)) 50,6 =)2P(A)50,6 -) P(A) = 0,3

(1) A
$$\frac{3}{10} \cdot \frac{1}{9} \cdot \frac{8}{8} \cdot \frac{5}{4} \cdot \frac{5}{10} = \frac{5}{3} \cdot \frac{1}{9} \cdot \frac{1}{9} \cdot \frac{3}{9} \cdot \frac{1}{9} \cdot \frac{1}{10} \cdot \frac{3}{9} \cdot \frac{1}{8} \cdot \frac{1}{4} \cdot \frac{1}{10} \cdot \frac{3}{9} \cdot \frac{3}{10} \cdot \frac{3}{$$