```
Lop 8
   Appendixoner Transcriptional
   point ACK, A+pp and pounded on F(A)=07
P.A. LE JA+F, F(A)=0 > P(A)=1 >A=12 &
       4,B ex, B = P(An B)

P(A(B) = P(B)

Pouls (At A+B)

OBS: P(A(B) = P(A)
                        P(B/A)= P(A(B) P(B)
P(A)
              POWN CONTR.
POWNEY P (A) PP(B) - P(A) B)

A (B) = mcomplex P(A) = P(A) + P(B)

A (B) = mcomplex P(A) = P(A) + P(B)
           Semenar 3
                                                                                                                              a) P(B|x) = ?
P(B|x) = ?
P(B|x) = ?
P(E|x) = ?
                                                                                                                                                                                                                                                                                                                         (a) IP(15) -?
                                 P(A)X) = 0.22

P(A)X) = 0.41

P(X)B) = 0.46

P(B)X) = 0.46

P(B)X = 0.46

P(A) = 0.31
                                                                                                                                                                                                                                                                                                                                                          P(XVB)=P(x)+P(B)-P(XAB)

0.46=05+P(B)-016

P(B)>0.42
                             P(x)=0.5 (dm).

**Signaturated P(BX)= 0.46.2 =0.32

**(0) = 0.42 (8))
                                              a) P(AUX) =?
                                                                    P (AUX) = P(A)+ P(X) - P(Anx) = 0.34+05-04
            5. (12,K,P)

A,BEK

P(A)B)=001

P(A)B)=003

P(A)B)=0.05
                                            a) P(A), P(B) = ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          d) P(BIA), (B)
                                                                                                                                                                                                                                                                                                                                        P(AUB), P(ANB)
                                              P(+18)+p(A18)= 0.04+ 0.03
                                                                                                                                                                                                                                                                                                                                                              P(AUB)=P(A)+P(B)-P(AOB) = 0.24-0 on=0.23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P(B)A) - P(B)A) =
                                                                  aujuncte, adua imampatibil
                                                                                                                                                                                                                                                                                                                                                                P(A (B) = P(AUB) =1-P(AUB) =1-0.23=0.44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P(B) A)+ P(B) A) = P(B) (de la méganotial a)
                                            €> P(((VB) U(A)B)) = 0.04
                                                                                                                                                                                                                                                                                                                                             4) P(BIA) = ?, P(AIB)=?
                                   \Leftrightarrow P(A \cap B) = P(A \cap B)
\Leftrightarrow P(
                                                                                                                                                                                                                                                                                                                                                                                           P(B|A) = \frac{P(A|B) \cdot P(B)}{P(A)} = \frac{0.05 \cdot 0.2}{0.04} = 0.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           p(B(A) = 0.2 - 1.040 a. 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \begin{array}{ll} P(BHB) = 0.49 & 0.49 \\ P(BHB) = \frac{0.49}{(-0.48)} = \frac{0.49}{0.48} = 0.49 \\ P(BHB) = \frac{P(BHB)}{P(B)} = \frac{P(BHB)}{\sqrt{-P(B)}} = \frac{\sqrt{-0.25}}{\sqrt{-0.2}} = \frac{0.44}{0.37} = 0.34 \end{array}
                                                                                                                                                                                                                                                                                                                                                                                             P(BIA) = P(BOA) = 0.01 = 0.25
                                                                                                                                   (=) P(B) = 0.05 = 1 =0.02
                                                                                                                                                                                                                                                                                                                                                                                                       P(A/B) = P(A/B) = 0.03 = 0.034
                                                                Ay , Az , ... , An went de evenionente
                                                                                          A .. () A/3 = Ø + E/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P(\overline{A}|B) = A - P(A|B)

P(A|B) = A
                                                                                              O Ar= S
                                                                    P(x | + 2 = 1 P(x | Ale ) P(A; ) formula probabilistat tale to take
                                                  10. 71, 72, 73
30 00 00
24 44 5%
                                                                  P(A3) - 20 = 0.2
                                                                                                           a) P(x) = ?
                                                                                                                                 Ad Az As form, with complet the sourmente
                                                                                                                                          P(X) > P(K|A) P(A) + P(X|A2) - P(A2) + P(X|A2) - P(A3) - P(A3)
                                                                                                         A) P(A2 12) = P(x 1A2). +(A2) = 0.04.05 = 0.02 = 5 = 0.55
                                                                                                       2) P(X|A|UA3) = P(X)(A|UA3) = P(X)(A|UA3) = P(X)(A)(U(X)(A3)) = P(X)(A)(+T(X)(A3)) = P(X)(A)(+T(X)(A3)) = P(X)(A)(+T(X)(A3)) = P(X)(A)(+T(X)(A3)) = 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 < 0.03 + 0.03 + 0.03 < 0.03 + 0.03 + 0.03 < 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0.03 + 0
                                                                                                     a) P(A_1 \cup A_2 \mid \overline{X}) = P(A_1 \cup A_2) \cap \overline{X})
P(A_1 \cup A_2 \mid \overline{X}) = P(A_1 \cap \overline{X}) + P(A_2 \cap \overline{X}) = P(A_1 \cap \overline{X}) + P(A_2 \cap \overline{X}) = P(\overline{X} \mid A_1) \cdot P(A_1) + P(\overline{X} \mid A_2) \cdot P(A_2) = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) + (A - P(XA_2)) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(A_1)) \cdot P(A_1) \cdot P(A_2)}{A - P(X)} = \frac{(A - P(XA_1)) \cdot P(A_1) \cdot P(A_1)}{A - P(X)} = \frac{(A - P(XA_1)) \cdot P(A_1) \cdot P(A_1)}{A - P(X)} = \frac{(A - P(XA_1)) \cdot P(A_1) \cdot P(A_1)}{A - P(X)} = \frac{(A - P(XA_1)) \cdot P(A_1) \cdot P(A_1)}{A - P(X)} = \frac{(A - P(XA_1)) \cdot P(A_1)}{A - P(XA_1)} = \frac{(A - P(XA_1)) \cdot P(A_1)}{A - P(XA_1)}
                                                                             Semenar 2
                                                                  1. Ai-even 2 awned i'
P\left(\bigcup_{k=1}^{\infty}A_{k}\right) = 1 - P\left(\bigcup_{k=1}^{\infty}A_{k}\right) = 1 - \prod_{k=1}^{\infty}P\left(\overline{A_{k}}\right) = 1 - \left(\frac{\Sigma}{6}\right)^{4}
```

2. X-sv.cot premed e mainrove sa al decler Y- "primed mainric dest al decler " 2 - "primed = al decler"

$$x,y,z$$
 form .xxx .complet de env.
 \Rightarrow $P(x)+P(y)+P(z)=1$
 $P(z)=\frac{6}{26}=\frac{1}{6}$

$$P(x) = P(y)$$
 => 2 $F(x) = \frac{5}{4}$

3. An - sv. cot 5 apart le a m-a incuraire y 574 3 nu agar la primile m-s incirairé P(An) = 2