$$P(N+) = \frac{109}{1000} = 0.109 \Rightarrow P(D-) = 0.891$$

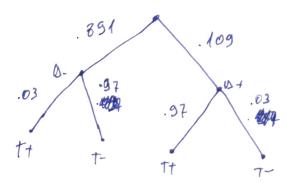
$$P(fals reg of V) = P(t-104) = \frac{3}{100} = 0.03$$

$$P(T-15-)=1-0.03=0.97(1-P(T-15+))$$
 (true veg)

$$P(t-10-)=1-0.03=$$
 $P(t-10+)=1-0.03=0.97$ (tame pos)

$$P(\Delta+1++) = \frac{P(++|\Delta+) \cdot P(\Delta+)}{P(++)} = \frac{0.97 \times 0.109}{0.13244}$$

$$\approx 0.79 \approx 82$$



3.
$$f_{\times}(x) = \frac{f_{\times} - \alpha}{b_{\times} a} = \frac{x}{109}$$

$$F_{y}(y) = P(y \leq y) = P(\sqrt{x} \leq y) = P(X \leq y^{2}) + y^{2} = \frac{1}{109}$$

$$f(y) = (F_y(y))^2 - \frac{2y}{109}$$

$$f(y) = \frac{y^2}{100}$$

$$109 - 109 P = 91P$$
 $109 = 200 P = 7 P = \frac{109}{200}$

5.6) 109 tip A (1111) = 0.5) SI tipB (77A) = 0.8) Fie CA -, am als moneda A", CB -, am als moreclei - B' P (CA) = 200 A priore: P(CB) = 200 P(OH) = P(DH ICA)P(CA) + P(WH/CB) P(B) $=\frac{109}{200}.0.5+\frac{31}{200}.0.8$ = 0.6365 b) File D > a avet lue o ornereare si a fost a nere? PCH) PCD/H) PCD/H) PCD/D) 0.5 0.364 CA 0.8 P(DH 14) = P(DH 1CA).P(CA 1A) + P(DH 1B) - P(CB 1A) P(H ID) = P(D/H) P(H)
P(D) $= 1 P ((A | B)) = \frac{0.5 \text{ which } = 0.4281}{0.6365}$ P(B) = P(B)(A). PG + P(B)(B). A(B) = 0.5. 700 + 0.8. 31 = P(CB 10) = P(D/CB) - P(CB) = 0.8 \frac{31}{200} = 0.5719 P(DH)D)=0.6 x 0.4281 + 0.8 x 0.5719 = 0.67154

1090 prefera avelidat A 510 prefera candidat B

Interval de indéclère 35% normal conservator pt D.

$$\overline{\lambda} = \frac{1090}{1600} = 0.68125$$

21/2= 20.025 ≈ 1.96. \$ (din cors 19 pagino 2)

Julervolul de meralere = J ~ 0.68125 ± 2. 11600

 $3 \approx 0.68/25 \pm \frac{1.96}{2.400}$

3 ~ 0.68125± 0.0245

7£0.43625, 0.92625]

= [0.678, 0.6837]

() = x + 2 x/2 · 1/2 · 2 /2