	Annata T
0	9 = N!
	Lage aropo non enincles he racha exe (N-1) evinoles.
	Αν ΙΑΙ το ενδεπόμενο γα μηι πάρει τανείς σαχεό παιλεό:
	$1Ai = W - D^{1}.$
	$\frac{\text{OPOR PEAJ} = \frac{(N-1)!}{N!} \Rightarrow PEAJ = \frac{1}{N}}{N!}$
	N ;
(2)	O) P[ANBAC] = P[A] · P[B]A] P[C]AAB]
3	
(2)	D) P[ANBAC] = P[A] · P[BA] P[C]AAB] P[AIB] = P[AAB] P[B]
3	PEAIBO = PEAOBO PEBI
(2)	PIAIB] = PIAOB]
(2)	P[AIB] = P[ANB] P[B] PEODIVERS AND = D: P[COD] = [P[CID] - [PCD]

B	(i) AY ANB = Ø
	PEAIBJ = IPLANB J = PEBJ =) PEAIBJ = 0
	PLAIB] = PLAOB] = PLAIB] = O PLAIB PLAIB
	(ii) ACB
	PLAIB] = PLAOB)
	PEAIB] - PEA]
	ACB =) AOB = BA PIB]
	(iii) ADB
	PLAIBI = PTAMBI
	PEAIB] = PEAIB]
	PEAIB] = PEAIB] = 1
	PEAIBJ = PEAD PEAIBJ = 1
	$ \frac{P[A B] = \frac{P[A)B}{P[A]}}{P[A]} = 1 $ $ B(A = A) A B = B $

x) He Decopiero PLAJ, PEBJ>0 WO M PLMB1 > PLAT : on PCBIA) > PCB) · Ay PLBIAZ > P[B]:

ONX PLAIBJ> PAJ

(3) (3)
$$P[T_0] = \frac{4}{5}$$
, $P[A_0|T_0] = \frac{99}{100}$, $P[A_1|T_1] = \frac{97}{100}$

$$\frac{P[L_0|T_1] = 1 - P[L_1|T_1] = 1 - \frac{9t}{100} = \frac{3}{100}}{P[S] = P[L_1|T_0] + P[L_0|T_1] = \frac{4}{100}}$$

$$\frac{P[S] = \frac{1}{25}}{25}$$

	3) P[I,]=1-P[I]-1=1-4=1
	P[D] = P[D, 1 Tho] + P[D, 1 TI,] - P[TI,] , EGOSON TI = TI -
	1 1
	$\frac{1}{100} \cdot \frac{4}{5} + \frac{97}{100} \cdot \frac{1}{5} = \frac{101}{500}$
	PIDIATIO] = PIDITIO] = 100 5 500
	PETOIDIJ = PEDINTO] = 4/500 => PETOIDIJ = 4 PEDIJ 101/500 = 101
	PCAID 101/500 101
<u>@</u>	O: Bearing anorésequa, S: ènu origina
	a) $P[\theta S] = \frac{99}{800} = P[\theta^{c} S] = \frac{1}{100}$ $P[S] = \frac{8100}{100} = P[S] = \frac{9}{100}$
	DEC. 22 18 20 90
	$P[\theta S^{c}] = \frac{16}{100} \rightarrow P[\theta^{c} S^{c}] = \frac{90}{100}$ $P[\theta \cap S] = P[\theta S] \cdot P[S] = \frac{99}{100} \cdot \frac{8}{100} = \frac{792}{100}$
	$P[\Theta \cap S] = P[\Theta \mid S] \cdot P[S] = \frac{Yq}{100} \cdot \frac{8}{100} = \frac{Tq_2}{100}$
	P(0) = P(012). P(2) + P(012). P(2) = 17. 0 + 10. 72 =
	P[0] = 17/12 100 100 100 109
	100

$$P[210] = P[200] = 192 = 396 = P[210] = \frac{99}{101}$$



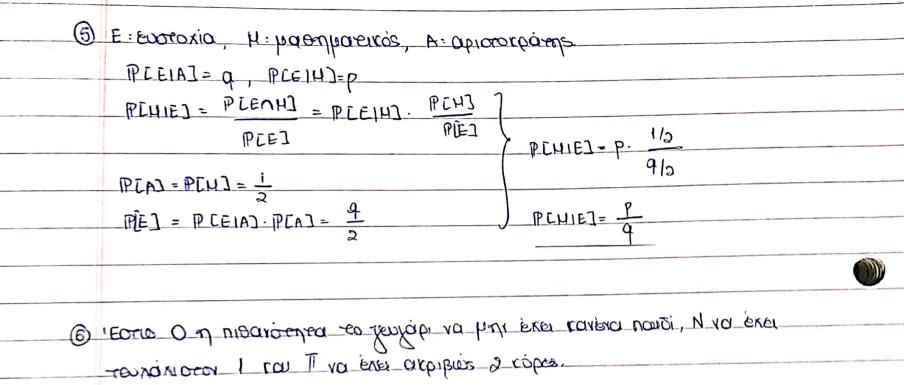
BILEOUR SI LO ORRECTITIONO ENDEXOPERO NA EVER OLIMA

PLS,] = PLS/03+PLS/09

$$PES109 = \frac{8/104}{8988/104} = \frac{1}{1036}$$

$$PCS_1] = \frac{102564 + 99}{10852} = \frac{102663}{10852} \approx 0.926 \rightarrow PCS_1] = 0.926$$





(6) I EOTIC O η nibaroterpea to zerzapi va $\mu\eta$ 1 èxel ravisia naiti, N va èxel τ enparioten I rai T va èxel arpiguis ∂ copes. $0 = N^{c} \Rightarrow P[0] = I - P[N] = I - (P_{c})$ $P[N] = \frac{2}{5} \left(\frac{11}{22}\right)^{\frac{1}{5}} \quad t = 1,2,3,...$

Για 2 ατριβώς παιδιά, η πιθανότητα $P_2 = \left(\frac{11}{33}\right)^2$. Αν θέλουμε αυτά τα παιδιά να είναι τορίτσια, τότε $P[T, T] = \left(\frac{11}{33}\right)^2 \cdot \frac{1}{4}$ Για 3 παιδιά, ανείστοιχα $P_3 = \left(\frac{11}{33}\right)^2$. Αν θέλουμε 9 τορίτστα ται Γαζόρι, τότε $P[T_3] = \left(\frac{11}{33}\right)^3 \cdot \frac{1}{4} \cdot \frac{1}{3}$

Suroy garras, Petil= (11) 1 1 2 12 , onco 1-1,2,...

(P)	Exemple 2 ribavies oraopapies for cable aromaloia: A-1->B (Ps+ Ppu) A-1->D->B (Ps+ Ppu) A-1->D->B (Ps+ Ppu)
	(exposer university so b out extrahal was associated one wayber an exhibit) Singular PLV-187 = 3 (b2+b4)
@	Ποντάρισμα σε αριθρό: Αρ
	θειτάδιολα σε χθηλα ε χθ
	Enrouxia : E
	Sieparnyer No. 1 : S.
(MA	Separayen do 0 : So
(0)	Niety 5 N
	Hrea + H
	PLEIAPI = 1 PLCIXPI = 18
	Έρτω Η τα μάρεα της Λόπος τάθε φορά.
and the second s	Sit 1 1/12: Utas / M+2#8.36 = Fid to repoice he was in theme
	46 21138 0.36 Aa antertopes and 200
	98-U-36 U-36 UOQCO, 377, 40 Gence 41mm
	U-24.36 Tounanioral 24, aga
-	The substitution $PLNIS, 1 \leq \left(\frac{1}{88}\right)^{54}$

