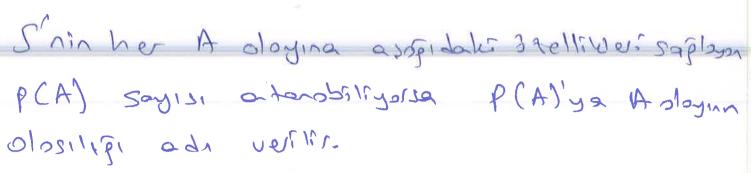
January Alrdeney art

S -> Orneh 122.



1. P(A) > 0 2. P(S)=1

J. An, Az, As, ...., Oloylar bor Someh utayinda Theseers ayrik alaylar dizers ise (Ar, NAS) = \$ 174) Sonent sounda ornen moltan P(AnUA2 U, Az U...) = Ep(Ar)

Sonh sous da Brack rohdour

P (AND AND ... UAN) = \$ 1 (Ar)

 $0 \le P(A) \le 1$   $P(A) = 0 \longrightarrow 1 \text{ mhan sit olay}$   $P(A) = 1 \longrightarrow \text{Lesson olay}$ 

Ornel Hilesiz bor moderi pera This ket atiliyor. En at bor you getne slastip, redi? S= { YY, UT, TY, TT] P= 1 3 Para Wilesia 

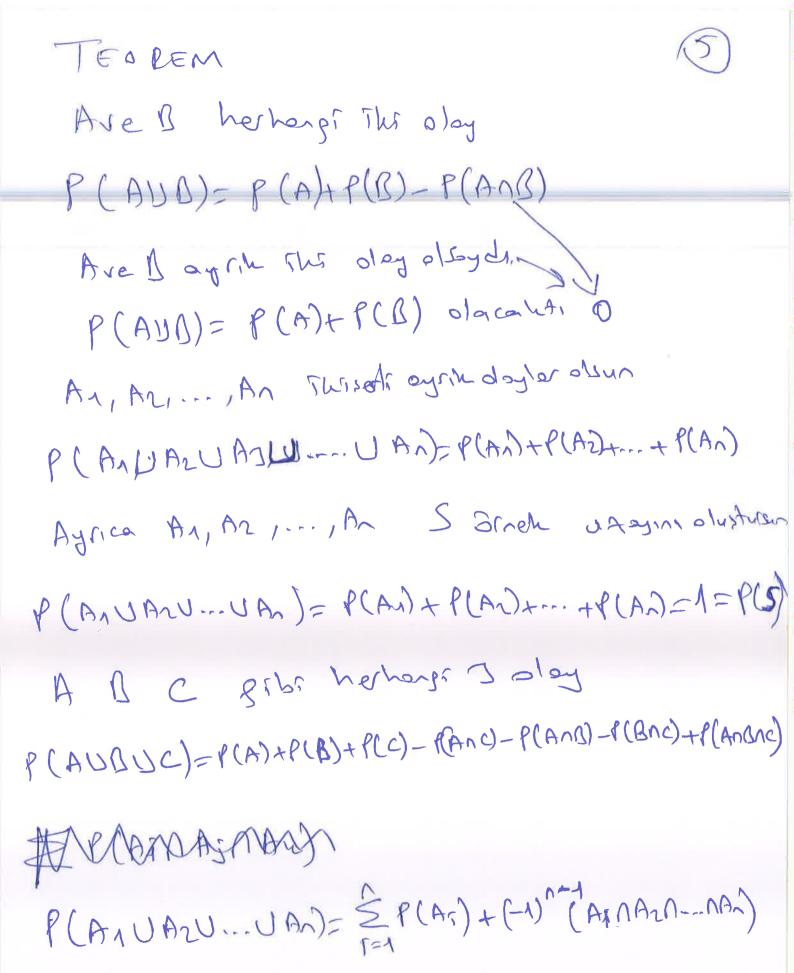
Teorem N forth some establorar elde Ar Lereyde e di liyorsa ve bu sometordon n toness bos A Ologini olustury yorsa A'nin menda selme slostig PCAR P(A) = Merlenslen A objector smeh metalerinin segisi Ernen utayablis noktolerin segisi Olnen: 52 Kardlik ogen lægtesmæn Fostpele bir kart seerlism a) Posot b) Kirmian borbart Selve obsilige redir?

C) Baris

11 G d) Strem a)  $A=\frac{8}{5}$  Kort polator b)  $B=\frac{8}{5}$  Kortin Kirnizi selmosi  $P(B)=\frac{4}{52}$   $P(B)=\frac{2b}{52}$ C) C= {Kertin birti gelmesi} d) Gebelen kapidin P(C) = 4 FINI = 1]  $P(D) = \frac{11}{52}$ 

Other bir para I ket atilyar felen yor sogisina stickin Smeh utoy olustuma Ernel utoyn her bor elevaning Korrila pelen alastic lors hesoploying. Br Parenin 3 het atilisi = 3 paranon britishe atilisi J= {0,1,2,3} 2' = 8 manhin sonna 444 44T, 4TY, TYY TTY, TYT TTT Indi 240ti Oyoti Oyoti P(1)= = = P(1)= = P(0)=1

P(0) + P(1) + P(2) + P(3) = 1



(6) Kosully dosilik ve Doginsithk Tanım. Il maydone gettre alossillés sift A ve Olmoyon The slay olup I errosen humasonde torimle olsur Bologi oldulder sona Aologinin olma olasiligi Alnin bosullu dosiligider. P(ANI) sellinde P(A)= P(A) P(B) >0 Ornell! I'ki for birlikte atthyor Toplam 6 selmisse, Zorlerdon brins 2 gelme olosiligi. B: 3 Toplam 6 selmess? A: Eterbranksmin 2 selmes? A= { (2,1),(2,1),(2,4),(2,5)(2,6)--- (6,2)} B={(1,5)(2,4)(1,1)(4,2)(5,1)}  $P(A) = \frac{5}{76} P(A) = \frac{10}{76} P(A \cap B) = \frac{2}{76}$   $P(A \cap B) = \frac{2176}{5176} = \frac{2}{5}$ 

Broch Bryon olisveris merhonende bor sy boyunce yostler bor Golismoda 1400 ktsi rostgelle seeliliger. Ve a sospidant toble olustruluyer.

1	Elop	to odresi	Tollow
Cirstyet	Var	40	
Erhell	550	250	800
Kodin	400	200	600
Toplan	350	450	1400

a) Rostpele seemen bor kissmittent e posta adress varsa, bu hisson kadon plaa adress varsa, bu hisson kadon plaa alasiligi nedso?

b) fostpele seculer bor hiss hadrase eposta adress almama alassigi nedri

Tanin I Plus olasin ordhesitinin maydana gelme National realization realizations readles 19112010 1 vershister Annobilipi P(A/D) = P(A/D) P(ANB) = P(B).P(A)B) Veya PLAND)= P(B\A), PLA) A tone A oloys Tern P(A, NALNA3N --- NAN)=P(AN). P(A2/A2). P(A3/A4NA2) · P(An AnnAzn. - nAnn) Streffer kurtuda 30 disket vor. Si orizalidir. 4 dishet or ha or haya rostyelle secolissor. 4 dishetade soplom olara slosiligi nedvi P(A, NA2N A, NA)=P(A), P(A), P(A), An) P(A) P(A) P(A) · P(A4) AMAZMA 25. 24. 23. 22 30 29. 23. 27

Tanim: Bir Dologinin ortoga ailmosi A ologinn ortoga (9) ailmosi aternde hadar ether yarmiyara Dologi Tle A ologi başımsıt resologdirdenir.

P(A(B)=P(A) P(B(A)=P(B)

TSE P(ANB) = P(A). P(B) Are Bologlar Lagineradia

P(AMARAM NAM) = P(AM). P(AM).... P(AM) Tse boginsia ologierdir.

Brown Brogn Lagid, Lesterinden tehror yerine kome dan I hart Gehrirger Ar The bestin 413 almost Az Flandwartin lent almost, Az acanca hartin 1/15 olanosi Fre P(AnnAnnaz) alasiligi nedir?

 $P(A_1) = \frac{4}{52}$   $P(A_1 \cap A_1 \cap A_2) = \frac{4}{52}$   $P(A_2 \cap A_1) = \frac{4}{52}$   $P(A_2 \cap A_2) = \frac{4}{50}$   $P(A_1 \cap A_2) = \frac{4}{50}$ 

Orneh Ou veterirer kulturginde bir yourn kedere bir yourn kippel Kendslerins sousplenech on oile boulemphte dorler. Kedran souvillerille alossifi 0,85, Kolefinki sie outte Ayni hofta rainde her Flüssin biner yna bulma olosilipi nedr? PLANENC) P(AND) = P(A)-P(B) = 0,85.0,88=0,748 BAMES Kurali Isliner P(A/I) Kozullu olasiligin Kullanorch belinneger bir P(B/A) Kosullu dosiliğin elde etnege dagaris. ナンハチキ」でいっ Bin 123 = \$ Br. Dr., ... ; Dr. ologlari Sarret utogran Grayram olustuan Herhongs bor A sloy bu draph whom sande yer aligorsa ANB1, ANB2, --, ANBR da A'non borroyoning Olysturar. L A= (An Di) ve iti olmor arere (An Di) n (An Di) - \$\phi\$

A=ANS=AN (B1U...UBL) = (AND1)U...U(ANDL)

 $P(A) = P(A \cap A \cap A) + P(A \cap A \cap A) + \dots + P(A \cap A \cap A)$   $P(A) = P(B_A), P(A \cap A) + \dots + P(B_A) P(A \cap A \cap A)$   $P(A) = \sum_{i=1}^{k} P(B_i), P(A \cap A)$ 

Sinem

Britobrikada aretiler mollarin apsols: A makinosinda of John B makinosinda, of 2012: Combinishinda aretilipek teder. Aldour aretin of 312, 1steknin ophia, Cdeknin of Ir knowleder. Seetler bor aranan knowle olma olosilipi neder? X: knowl olma

P(X)=P(A). P(X)A)+P(1) P(X)(A)+P(C) P(X)C)

P(X)= 0,50 × 0,00 +0,70×0,04 +0,200,05=0,007+

P(D)=0,70 P(L) DLO,004 A(1701)
P(C)=0,70 P(L) DLO,004 A(1701)

(12) 1 AYES TEOREMI P(Or)>0 5=1,2,... K tan 775 BINDS=Q By, Bz, i... Du Jarner utoyinin oyrimin olustrum. Herharps box Aslogi bu smik utograficadey eroliyas P(B=A)= P(AND) P(B,). P(A). P(B1), P(A) + P(B2) P(A) B2)+ B649)+ Ormen P (Su)P(A)G) Shoper A reach when some A moland dretilme orositze neder! P(A)x)= -P(A), P(XKA) P(A), P(X)A)+PB). P(X)B)+PC). P(X)C) P(AX)= 0,50 (0,03) 0,50.(0,0])+0,30.(0,04)+0,20.(0,05)

P (A/X) = 0,41