CEM Teopens Hera & e T-anredps in IP: A -> [0,1] e bep. o/v 71. a) [P(\$)=0 TOF969 SIP(A) = P(ANB) + P(ANB) VA, BEA 6) P(A) & P(B) and A & B, & A, B & A +) P(AUB) = P(A) + P(B) - P(ADB) -MOLECTO HALOCT, A, BEH 9) P(V, AL) = & P(AL) (U you U you G, & c & you Z) Au EA 34 Huzz e) And Aje A 30 j > 1 Aj > Aj=1, Uj > 1 TO P(DA;) = lim P(A;) -> HERPERECHATO OF An 2 Az 2 ... 2 An 2 ... To P (n Aj) = Gin P(An) оно П Aj = В, 70 това се марта непреческе-тост с В Dou(a) P(p) = 0 = 1-p(2)=0 (B) = P(ADB) + P(A DB) B= ANDU A CNB => IP(B) = IP(AND) + P(ACNB) or S) P(B)=P(ANB) + # IP (A CNB) - P(A) + P(A CNB) 38/1 6) r) AUB= AU(B NA') => IP(AUB) = IP(A) + P(BNAC) P(A) + P(B) - P(ANB) e) n Aj=& $A_1 = A_2 \cup (A_1 \cap A_2)$ A = 5 Aj n Aj+1 P(A₁) = 2 P(A_j DA_{j+1}) - 2 d p 9 3 6 6 9 r A₁ = 0 A_j D A_{j+1} peg P(A₁) = 2 P(A_j D A_{j+1}) rea c. peg

$$\begin{array}{c} N = 13 \text{ 3.53 BIC} & \Omega = \{w_1, \dots, w_{13385816}\} \\ \hline P(\{u_1\}\} = \frac{1}{L}) \\ \hline P(\{u_1\}\} = \frac{1}{L}$$

В) Вероятностно про странство Dep: 1 Heng Q = U-bo OT ENEMENT. 16 dutis, He JANTESPS 4 (6ep. np6) P: + → [0,1] e Cep. op-9. Tora69 (2, 4, P) ce 49 pr) 9 вер. пространства @ 12=11,2,..., NY A=252 P pa 64. 6-CT QQ = @ A=19, R, A, B, C, AUB, AUC, BUC) A = ((x,y): x2+y2=1/g) P-> rechesp B=1(x,y): 19 = x2+ y2 = 497 C= 2\AUB Q QGRd, IQI CA A=B(1), P(A) := 1A1 FEOM. 6-CT P(A) = CHI = COLUMNAA = M(A) = Spois Form 6A

ody 8pois Forms 1AI \approx \frac{6zTP= 6A}{V} MOHTE Kapre NOHTE KAPRO LETOG T) YCAO GHA GEPO 9 THO OT u AEA, P(A) 70. 3 Maen, 72 A e 49 CF 6 Muno (Ω, f, P) B=1× e 6 B pp 349 une, rec (ADB) ? (ADB) Deb) Hera (D, A, P) e Gep. n-Go n A e A e Taro 69, 10, 200 (P(A) >0, TO Iyan G-cTl PA(B) = P(BKA) := P(ANB) (12, A, P) mup. (AB, AnA, PA) ADA=T ACAR

P(A2 NA3)=P(A2). P(A3)

B(A, nA,) = (P(A))

M3 = 12,39 Mn= 11,2,31