```
2 A1, Az, ... - cos. Porya
    1) cum [P(An) < 0, no P(N UAn) = 0
    2) Ecu A, A2, - 103, EP(An) = 0, No P(A) = 1
2) Ecu A, A2, - 103, EP(An) = 0, No P(An) = 1
2) Recue
 Top. Pyces 14,3 - vocuey. Secv. C.6, c co.p.F(x)
    F(x) ZA , XCIR
   1/2 = wwx (2, 1, 4, 1)
                       Onc. P(fo: /1(w) -> ~)=1
  Qui gon mus cos. H= E= 400: 1/2 (w) ->= =}
  10 (co. va(co) = 0) }
  Canyon anoposis.
  H= 0 2m (2n & N) = 0 7 0 60: 20(w) EN)
  P({vu < n}) = F(n)" => 2 P(4 vu < n)) < ~
             = 1 HN P( Rom fyn : N) = 0 = 1 P(H) = 0 = 1 P(E) = 1
            MeoSpisobaner ayr. berny
 YND HBEB(IR) - P(B)= 1 p(x)dx
  DZ [ Popuyu chepmun]
    Mycen (2,2) - neup Cb. c wable negmin fry (x,y)
    nourseur, uno 3=3+1 pobra 1z(4)-1f3,2(x,4-x)dx
  P(3 = 2) = P(3+12 + 2) = f + (x,y) dx dy =
                                            G Xng
= [u=x+y] = ] fry(x, u-x) dxdu=
 emponen: (x,u): Ker
Let J = -1
                                           7/7
= ] du/fry (x,u-x)dx =1 42(2)= ] fry (x,u-x)dx
      Eau 4 4 4 1- regaluc. 7= (2)= ] /4(x). /4(4-x) dx
```

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Jup. You, eau reego using ber, uno 4 > 1 = 32-4>0
Teoreum. Pyour 3=(31, ... 311) - OEC. New C.C. 3(JZ)=A E12"
V. A -> B c Rh - green. ( news green. ~ Everum.) =1 ve'-green
Torge (4) - abc never u da(4)(t)=44(Q1(t): | ] e1). I I tels 3
  Dim. P(e(4) & M) = Jfe(4)(4)dE, +MCIR IfEB3
   M=M1WMz, M1 & B, M2: M2MB=$
  -1 mm ((4) cB 4 M2 NB =0, mo N4 = 12 (4(2) cM)
     Mr = 1900 (4) 9+ 1.0. Ws - obsers no une ordrepre
                   -1 represes Beerge Me M=M1
  P((14) = M) = P(2 = Q(M)) = ] +4(+) +1 = [x=Q(+)].
   = ) for ((x) ) · (Ju-1/dx =) fu(&) (x)=for (x)) · (Ju-1/
 Plu V-ASIR
                      heburous u 4-asc. recr. c.B.
  -1, (x)=de10. 82(A (x-b))
 Rp. 17-5-200
                      , 2~ N(0,1); How. 23 4 22
 P/u (x) = X3.
                             y= (x) 1=(4)
                           ℓη(y) = /4(x) = θη(æ(y)·/æ(y))
     \bar{\mathcal{Q}}'(\chi) = \chi'/3
     (( (x)) = 1/3 x x3
 + w(4) = 44 (x113) 1/3 x-2/3 = 357 x3 = 1/2 x2/3
                       ; Fy(y)=P(v=y)=P(-Jy=4,55y)=
 P/w (k)-x2; n=52
                        = Fig(Sy)-Fig(-Sy)
                            gamens arianomiero
 Cynew. Benen.
 butes neur. 4. P(4=Xx)=Px x op-a f: nougher. Ch
  €(4): P(+(4)=+(Ku))=Pu, ecar & charage craning
 Pr: 40-11 1/3 1/3 P(x)=|x|=1 X(x) 0 1
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