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4	升50	: 由 X细分布律可得》 (1) 数Y/	6057	键为:	
	X		1	10 To	i. 1
	Y	元一口元	0,	25.0.5 0.25). }.j.
	1/2	十二000001001627	50/2	流律为:	(= }
1	1 3	0 115 CO X		1 2 0 -1-	
	P	0.25 0.5 - 0.25 P	0-2	75.0 20 25	5 (+1
	Pala	13) 数 13 向 5 布 往 为	Y3	() 当() () 1() =	1
,		"一个人的一种发现他们的	P	0.5	\$ 6
	* .				-77 7

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解53:1=P(Y=-1) EP(X(0))=: 1 ~ + (m) dx = 10 元(extex) dx
   => P(Y=1) = P(x70) = ==
解步门:由X服从参数为1分指数分布
          11-e-x (4xx10
           O X S X CO
   => P((YX) (hy)) = ITF (hy) ) ) 是
   (1) 47/1813, lny 20 = F((lny) = -1+e-lny
            lny <0 F(hy) =0.
   @ 44 1 177,
   图 Y < 0 個, 由Y=ex >0 => Fr(y) =P(Y < y
to Fr(y)=
         当470时, Fr(y) = P(Y < y) = P(x > y)
         (-Ty = x < Ty )
          由下X20 シ Fx(y)= P(Y≤y)
          1- ex 1/2 / 7/0 = (
                                       420
                                       450
            JO 120 16 420 T
 (3) Y= (x-2) 当470时 FY(y) = P(Y (4))
   = P (2-156 X 5 15+2) = F (15+2) = F (2-15)
                                       7/
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の y > 4 円, 「y > 2 , 2 一万 くの => F(2+万) - F(2-万) = F(2+万) = 1-e-C+万,
024(4M) 05(2 2-19 30 =) F(2+19) -F(2-19) = 1-e-12+19)
  -(1-e4-2) = e4-2-e2-4
③ y < 0 内, 由作(X-2) 70 且到仅多 X=2 阳, Y=0
     \Rightarrow FY(y) = p(Y \( \xi \) = 0
          (1-e-(2+14) 474
敌 FY(y) =
          et -2 - e-2-5 0<4<4 fr(4)=
                                 SOME STANDARD CONTRACTOR
                                   10 1 460
 (4) Y=1-e-x, 17 470 Rd, FY(4)= P(YEY) = P(1-e-x Ey)
     = P(e-x > 1-y) = P(x < ln +y) = F(n +y) = 1-e'n(1-y) = y
   由 Y=1-ex, XE(-10, +00) => YE [0,1)
                     3/40MJ, FY(y)=P(YEY)=0
        3 4 31 17 FY(y) = P(Y & y) = 10 5 11
         oy ( 1024 (1) => fr(y) =
ty Fr(y)=
           0- 450
     Y的密度 函数 为 U(0,1)
解59:由X服从均分编以(资意),即X6(号,等) 乡Y6(0,1)
        450 MJ. FYLY) = P[YEY] =0
         Y >1 MJ, (Fr(y) = P(Y < y) =1
当 0 4 5 1 时 FT(y) = P(Y 5 y) = P(cosx 6 y) = P(x 5-arcosy)
 †P(XZarccosy)=(=-arccosy)/元+(=-arccosy)/元=1-元arccosy
         1) 471 => fr(y) =
          1-元arcosy oyu
                                               J
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