```
234. 21
13) 3P=1+0xsy 3Q=1+0xcsy Q 13 p, Q, EC'(1)).
公元 = y+exsiny => U= xy-exsiny+Gly).
    34 = X-e-x(15y+c/1y) = X-ex(15y =) C/1y120 =) C/1y120 =) C/1y1=C
 1 U= Xy-exshy+C 2. I=U(1, =)-U(0,0)= =-e-1
(4) 3P = (1+x'y')2 , 3Q = (1+x'y')2 , 3B P, QEC'(D)
 八元美 部二 Hxy => U= arctun Xy + C1 (Y).
 34 = X + ('(y) = X =) (14)2C
ベリ=arctan xy+とと了=U(1,1)-U(い)=至
234, 27
(2) 31 = - 405 x + 45 5 m x, 30 = - 405 x - 405 x + 45 5 m x
 · 别=致, P,QGC'(D) :、存在·
號= 1- 분 (5분 => U= X+YSin분 + G(Y), 3 = Sin분+영호(양분+G/Y)
3.5m女+是的是+Ci(y)=5m是+是四类=)Ci(y)=0
C U(Xy)= X+ysinx+C,
                         1/2XY-X BP, QEC(D): 2 Tot
34 = X-y =) U= \(\frac{1}{\langle}\) - carctan \(\frac{1}{\langle}\) + G(\(\frac{1}{\langle}\)).
34- X=4 + X=4+ (1/19)= x+4 =) (119) = (
( U= 上In(x+y) -arctan ガ+C
234.23
(1). J(f(x)y) = - 3(x)x) => Xf(x)+7(x)=0=) f(x)=
   f11)=1 2) fix= =
```

```
のPEC(D),但Q不定,你有一封地方当为QGC(D)对。
                2N = 30 =) +1X1- (X-10x+2.
234.24
2 xy EO, Q E C'(D) 30xy = 1x = 30 =) Q = x+Gy.
= 2xy => U= xy+(1y) = x+(1y) = x+(1y) = x+(1y)
 ~ (2'14)=414) U(t,1)= U(1,t)=) Staylog=t-t.
 3 2-t=Fit) 2-Fit)= Stay)dy => Fit)= Cit)=2t-1
 1 (11y)=24-17 ( = X+7A-1
以化达
 P, QEC(10) == - $ (x=1) + $ 2/x (x=1) -1
 30 - 2X (x=y=) - 2X (x=y=) P-1 - 3D
 P= $Jxy, Q=- $\frac{1}{250} \\ \frac{1}{25} =P= U= \frac{1}{25}\frac{1}{25}\frac{1}{25} + C_1(y).
  34 = - X = Q = CIUI=C : U= JXFY+C.
 (<del>(U,2)=(1,1)=</del> U(0,2)-U(1,1)= 1-5
234.26
(2) 31 = (15 XU- XY5nXY, 30 = C-5XU- XYMXY /. TA.
 34=1+ywxy=) W= X+5mxy+C,1y), 34= yxwxxy+C,1y)=Q.
2. U=X+SihXy+C2. X+SihXy=C
(4)部=1+424, 30=1-424 二、2000年八不是、改多、
= 4-12xy= N= Xy+ x2y2 (G14) = X = X+24x2+(2/4)= X-1 x2y6
 (ydx+xdy)+ 2xy(ydx-xdy)=0=> 1. 2/n f- ty=0C
```

25-255, 27 (C) 24 1124 volc
12/12 Jan 4001 = JJO V3x + 1/3x / 1/10
15255. 27 1511
235,28
255,20. Xf(y), - f(x) & C'(1))
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2, 1x fig)dy - fix, dx = 10 x fig)= fix 016.
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 /30 = F(0 X+(x) (1-+1x) 06
Jc×try)dy- fixdx = So fry+fix d6、Xy数数数。
12 My > 2 Ao = 270.
2184 12/00-21100