Up. x=-X(2x2,+5A+35) y= x 23 5-5(X5,7263) U1= 9+x22 - norbar win. Nonversir gry 1005? G+X2=C1; G=C1-X22 x=-x(2(2138) 5(64+4) = -X Gx - x SCY+31 / G5 - 3 CY+3 2C1-32 - A 1 B 2+C1 16(8+64)+B2=5(2435 =1 A=2 - 1 13-14 wander was rumin => 2 RN(3+ CN = + CN = - CN(X) + C2 05/4000 morse 32(21C1)=1/x.C2 2 mezabuc. wear jude C2 = X21(2 +C1) U2=x2 (x2 + 4+2) C= XS, (XS,+57A) Unum F= (yexz?, xz?(xz?eg+z)) whorst tring. Bross 26.0 5.x must reed and -x(5x2,50232) = + x23 = 2 2 x (x5,-2,2) = = 0 Pyrhau un'an keyel?

Pyrhau un' $(x_1...x_n)$ ,...  $U_{in}(x_1...x_n) = rg(\frac{Sui}{Sx}) = m$ els. kes. Lee  $G \subset \mathbb{R}^n$ الم خن د لا Rpolemun. (2x2,735,453 X23 x242 - 322 x 22x y 2) ecer 1/4,700 => 1/9=2 P1-18-155-5, -- 5, (X5, 77+5) <0

=1 hapain non myabar,

```
Horn stree persone a premise 3. hours.
 としょうしゃくしょしょうしょう
  (4) (4) (4) (4) = (6(4)
 Marini, pur, zageroca era gorros unibos.
 Plant, U(x, yo(x))= vo(x)
        U(X=(A) A) = (A)
100 Dr 207 3
                         x=1 , dy=1 , y-x=0
     (x, x2-x+1)=(x-1)
                           neple um U=y-x
OTHER MAN YES
  U=F(y-x); F-mous ours gens 20 0 get never
Hasule: & malyo, 4mo F(x2-x21-x)=(x-1)4
        F((x-1)2)=(x-1)4 => F(4)= 52
                       Peu. 3. hour: 4= (y-x)2
Up. 201 304 = 0
 x=2 dy 3 3x-2y=C1
                           -1 Obese peu. U=f(3x-2y)
1) Uzguy , x=0
                  f(x) = -\sin^2 x = 1 U=-Sin \frac{3x-2y}{3}
  f(-2y)= siny
2) u=ex, 3x-2y=5
                      was acodien endans mules
                       (0603 me since cron)
  f(2)=6x 223
    himes susuely
2 Remiller, her 3 hour char a expercul.
5 Eur 100 Kep-lie, wayneeme nearo.
3) U=10
           3x-2y=5
```

- magrayam + 100 + +: +(5)=10

£(5)-10

```
falk, y, 1) or + belx, 4, 2) oy + falk, y 3) 50=0
3. vou:
Per gues ru repolitions de 12
 Deuro B lun b u S - home no more uz x, y, &
 Keyning, U(x, 4, 20(x, 4))
INS X OX+ (7+x 2) OA + 3 O3 = 0
   U=1-x un 2-x29
 X Ox + (y+xz) Ou + Z du = 0
                         N=1-X MM Z=X+y
                                 4. = 2 - 100 Tom fre
         (3:0) LZ = Z
@ j=ytxz
        & cocu 1
                          Z = C,X
3 z = z
        (2.10 dx = y+4x2
O X=X
0 = 4+C1x2
                           Xdy - ydx = C, dx
          dy - 4 = 4x
                           d(x)= C,dx
                          $ = Gx+Cz
Uz = 4 - 2 - 200 For J-1.
Quee per. 4= F(3 x -2)
E(((+,2)/, 2)/2-1(-2)=(-1/
 4-1-1)x
 7=4x-x-4 1=4-1-x-(3-1)x=4-1-4x
x=4-1-4; y=(4-1)(4-1-4)
F(4,4) = 1-x= 4-4+1 - 4+1
  X = 1 - 4 - 4 - 4 - 4 - 4
 Peus man
  1 = 3x - 2x1 = 3-2x+x
```