



N(x,y) = dy = 42++2 y = ux dx 7*4 dy = Udx + xd0 09 = 42 + x2 0x ZXY 2xydy = y2+x2dx - (y2+x2) dx + 2xydy=0 (-(ux)2-x7) dx +(2x(ux)) (udx+xdu)=0 1-4x2)dx - x2dx + 2xydx + 2x2 du+02xdx + 0x2 du =0 - 24x0x - x3dx + 2x00x + 2x3du + 02xdx + 4x200 = 0 $-dx + 2dv + v^2 \times dx + vdv = 0$ (-1+02x) dx + (2+1) du = 0 (+1+U2x)dx = C-2-1)d0 $0x = -3 \quad 00$ 0x = -3 0U dx = -3 -1+02 du Lh 1x1 = -3 lh 1-1+02 +C Ln 1 1 + 3 Ln 1 - 1 + 4 + c en 1x1 + 6 s (41-7+05) + 0 x -1 02 = C x-1 (x)2=5000

y= x+4-1 3x+4+5 9'= vx' = x'+h+y+x-z 3(x+n)+y+k+s 1+4-1 dy (3x-y) = dx (x+y) (x'du+udx) (3x-cx) - dx(x+ux') 3x200+3x00x - 2000-02x0x-x0x 10x0x 3x20+300x - X000 - 020x - 0x+00x (3) dx - u2 dx - udx - dx) (3x du + x u du) 130102 - 0-1)02 (3x-20)00 (30+0+40-1) V(3-U) 0U=0 (70107- 1)dx 0x - - (3-U) (4+10+4)

TARREFERENCE OF THE PROPERTY O -U = AUTBO J(1/2 (0-1) + 1/2 (0-1)) 00 en 1x1 - 12 en 10+21 + 12 en (0-1) 1+c en 1x1= +2 en (y+2) 1-12 en 19+2) +C)