Danaune zabganne 3. Chrygennku yynu TUO-21 3i zoiphuka Pininnoba Blegens napanemp x= lnp+e] x= lny+lne y=p)= y=c-ex y=p; dy=pdx · dx = f dy combine p3 +y2 = yp (p+1) $p^{3}+y^{2} = yp^{2} + yp$ $p^{3}+y^{2} = y(p^{2}+p)$ dx = f. 2pdp ole 2 ap p3 +y2 - y (p2+p)=0 y2-y (p2+p)+p3=0 $2c 2p + c \Rightarrow x = 2\sqrt{y} - c$ $y = p^2 \Rightarrow 4y = (x + c)^2$ acocherbuit D= (p2+p)2-4.1.p3=(p2+p)-4p3= = p4+2p3+p2-4p3=p42p3+p2=1 B: 19-c.ex = (p2-p)2 $\begin{cases} 4y = (x+c)^2 \\ y=0 \end{cases}$ y= -(p2+p) - (p2-p)2 = 3p = p $y_2 = -(p+p) + (p^2p)^2 = p^2$ odx = f dp

y'2 - 244 = 42 (ex-2) y'= 2yy' - y2 (0x-1)=0 y' = 2y + 14y2 + 4y2 (ex) = y + yver y'= 2y - Vyy2+4y'(ex-1) = y - yvex · y' = y+yver dy = y+yve = y(1+vex)/. dx (dy f (1+vex) dx => folx + fex dx = x+2ex2 lny = 3e + 2e 4 + lnc lnyc = 20 + 20 42 · y = y - yvex dy = y- yver = y(1-ver)/. dx dy = f l-vex dx lny+ lnc = 3c - 2e 1/2 lnyc = x-2ex/2 B: (lnyc = x - 20 42 Llnyc - x +2ex/2

N270 y' (00 - eny)-1 Blegene napamemp p=y'; dy=pdx p(x- lnp)-1 px- p. enp = 1 px = 1+ penp / P X = 8+ penp x: 1 + penp = 1 + enp dy = p(- /2 + /p) dp foly = - folp + folp y= - enp+p+e x= f + lnp Bifor 1 + lnp. , pelR ly=-lnp+p+c

y = ln (4+y'2) Blegenes napamemp y'=p, dy=polx y= ln (1+p2) dy = 1 2pdp Jdx = dy 220 dp 20 = 2 J dp +C x = 2 · arc tgp + c B: Sy= ln (4+p²)
lx= 2arctgp +c y=(y'-1) ey' N274. Blegeneo napamemp y'-p; dy-pdx y=(p-e)e; dy=per; pax=peral; p; dx=erdp (dx = 1 (x + be - e) dp? olx = ep dp B: 4=(p-1).ep x e e Ptc ge -1 - oco Tenbera

y= xy¹²-2y¹³ - pre Kuepo Cly=pdx dx= fdy $y = xp^2 - 2p^3$ $pdx = d(xp^2 + 2p^3)$ (p-1) dx +2x=3p 20 2P + 1 + C (D-P)2 y= x-2 $\mathcal{X} = 2p+1 + \frac{e}{(p-1)^2}$ $\mathcal{Y} = \frac{cp^2}{(p-1)^2} + p^2$

1293. Xy'-y= lny' y = -xy'-lny'-prea tueto p'=p

dy = pdx y=xp-lnp; dy=pdx+xdp-fdp $x - \frac{f}{D} = 0$. $x = \frac{1}{p} \Rightarrow p = \frac{1}{x}$ $y = -\ln \frac{f}{x} + f = f + \ln x$ B: $y = 1 + \ln x$ $y = px - \ln p$