Boeur Quemol, Nº 62431, CU, Epyna 2. Thornyeouse padomos Nº1. 21/2. Penere gagarona na $\begin{cases} \gamma(\overline{y}_{x}+1)y^{2}y'=2\overline{y}y'+(\overline{y}_{x}+1)sr(\overline{y}_{x}+1),\\ \gamma(0)=-1 \end{cases}$ Thobar of Johnson to 4(Fox +1) y sy'= 2Foy + (Fox +1) sm (Fox +1), x + -1 $y' = \frac{(Ex+t)sin(\frac{\pi}{p_{x+1}})}{\sqrt{p_{x+1}}} + \frac{2\pi f^{*}f}{\sqrt{p_{x+1}}}$ $y' = \frac{sin(\frac{\pi}{p_{x+1}})}{\sqrt{p_{x}}} + \frac{78y}{2(\pi x+1)}$ y'= sil (Fix+1) -y-3 + 5 -y y' = Te, y + sin(2x+1) y-3 1) y=0 e penerne 2) y \$0 =7 Derus non y -3 y = 1 = 1 + stu (12 / 4) Flanacare $Z(x) = y^{\gamma}$, $Z' = 4y^3y' = \frac{7y'}{y-3}$ 1 2' = 12 · 2 + Son (Fix+1) (37 2' = 210 · 2 + 50m (Fix+1)

 $\alpha(x) = \frac{2\pi}{\pi_{x+1}}$ $\beta(x) = \sin\left(\frac{\pi}{\pi_{x+1}}\right)$ $Z' = e^{\int \frac{2\pi}{\pi x^{+1}}} \left[C + \int \sin\left(\frac{\pi}{\pi x^{+1}}\right) \cdot e^{-\int \frac{2\pi}{\pi x^{+1}}} dx \right]$ $Z' = e^{2\ln|\pi x^{+1}|} \left[C + \int \sin\left(\frac{\pi}{\pi x^{+1}}\right) \cdot e^{-2\ln|\pi x^{+1}|} dx \right]$ z'= e lu(Tix+1)2 [c + [sin (Fix+1) . 1 dx] 2'=(Tbx +1)2[c + cos(Fb+1)] $Z' = \left(\overline{f_{0}}_{x} + 1\right)^{2} \left(C + \frac{\cos\left(\overline{f_{0}}_{x} + 1\right)}{\overline{f_{0}}^{2}}\right)$ Z = y" => y'= 4/(x+1)2 (c + cos (xx+1)) 4(0)=-1 => -1= yC + cos f8 -1= yc + - 1= $1=C-\frac{1}{R^2}$ \Rightarrow $C=1+\frac{1}{R^2}=\frac{R^2+1}{R^2}$ $\int_{C=\frac{78^2+1}{72^2}}$ $y = \sqrt[4]{(78x+1)^2(\frac{76^2+1}{78^2} + \frac{\cos(\frac{76}{9x+1})}{52^2})}$