Cucmenia lopenya 
$$(g/3)$$
 $\begin{cases}
\dot{x} = 6(y-x) & 6, r, 8 > 0 \\
\dot{y} = rx - y - x7 & 6, r, 8 > 0
\end{cases}$ 

Renguebte penienna:

 $C^{\pm} = (\pm \sqrt{8}(r-1), \pm \sqrt{8}(r-1), r-1)$ 

Grobicin:

 $J = \begin{pmatrix} -6 & 6 & 0 \\ r-2 & -1 & -x \\ y & x & -8 \end{pmatrix}$ 
 $2 + \sqrt{8}(r-1) \pm \sqrt{8}(r-1) - 8$ 

Napax.  $2 + \sqrt{9} +$ 

Enemerica Typhuya: mabusel => nouemone yomoirus.  $\Delta 1 = 0 + 1 + 8 > 0$   $\Delta 2 = |0 + 1 + 8| 258r - 258$  0 + 6r=(6+1+8)(58+8r)-(256r-258)== 598 + 06r+ 08+Br+582+82r-258r+208= = 58 - 5Br + 36B + Br + 6B2 + B2r = = 6[0(0+6+3)+r(6+1-0)G(0+8+3)+r(8+1-6)>0 n = 66 + 6 + 3Franciscus non < 5(0+6+3) => manuya yor-Tu: m(6,6) = 5(6+8+3)

gonyemuu, reap. yn-me mulem goa memo mumiloix nopma buga 21,2-10, nangien, nou kanom r 200 noucroquis.  $3^{3}+(6+1+8)3^{2}+8(6+r)3+268(r-1)=0$ (iw) 2+ (5+1+8)(iw) 2+8 (0+r)iw+258 (r-1)=0  $-i\omega^{3}-(5+1+b)\omega^{2}+b(5+r)i\omega+25b(r-1)=0$ Re: -(0+1+6) W2+266(n-1)=0 => W= ± 266(n-1) Im:  $-i\omega^3 + b(6+r)i\omega = 0$  $-i\omega(\omega^2-b(6+r))=0=)\omega=0$ w=±18(1+6)  $\sqrt{\frac{266(r-1)^{3}}{6+1+6}} = \pm \sqrt{6(r+6)}$ 26B(r-1)  $=b(r+\sigma)$ 268(r-1) = (6r+86)(6+1+8)266r - 266 = 65r + 8r + 62r + 66(5+1+6) $5br - br - b^2r = b5(5+b+3)$ 6r(5-1-8) = 65(5+8+3)

