MEKUMA 5. BARANNE 1.  $\begin{cases} \dot{z} = 1 \\ \dot{y} = 1 \end{cases}$   $\lambda = 1$   $\lambda = 1$  $\begin{cases}
 \dot{x} = 3x - 4y + (x + y)^4 & a = 3 \\
 \dot{y} = x - (x - y)^4
\end{cases}$  $\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} 3 & -4 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} + \begin{pmatrix} (x+y)^4 \\ -(x-y)^4 \end{pmatrix}$  $\lambda_1 = \frac{3 - i\sqrt{7}}{2} \qquad \lambda = \frac{\lambda_1}{\lambda_2} = \frac{(3 - i\sqrt{7})^2}{16} \in \mathbb{C}$  $\lambda_2 = \frac{3 + i\sqrt{7}}{2}$ 24 = 4 21 = 4  $A = \begin{pmatrix} 3 & 4 \\ 9 & 9 \end{pmatrix}$   $A = \begin{pmatrix} 3 & 4 \\ 9 & 9 \end{pmatrix}$ 9=0 HP: == lizi PESONAHCHER YNEHOB HE BYENET  $\hat{y} = \hat{x} - 4y + (x+y)^4$   $\hat{y} = x - (x-y)^4$  $A = \begin{pmatrix} 4 & -4 \\ 1 & 0 \end{pmatrix}$   $\lambda_1 = 2$  KPATHOCTU 2 Hopganda umpusa  $J = \begin{pmatrix} 2 & 1 \\ 0 & 2 \end{pmatrix}$ , gra rum yourbre pezonarico  $\lambda q_1 + q_2 = 0$ eë 1) 9,, 92 = -1, 1 penerul: 2) 9,, 92 = 1, -1 22 = 1222 + 521 = 222 + 21 

