23#3 Plainy asserb-e betrops re asser japarons suaspurger suaspurger suaspurger suaspurger $\frac{1}{2} \frac{1}{-1} \frac{1}{-6} = (-1) \cdot (-1) + 6 - (-6) \cdot 2 = 1$ $=\lambda^2 - 5 \cdot \lambda + 6$ $\lambda_2 = 3$ coscrb-e ruera Drew kaneg. 1 maigny cooch bekt $\lambda_{1} = 2$ $A - \lambda_{1} = \begin{pmatrix} -3 & -6 \\ 2 & 4 \end{pmatrix}$ $A - \lambda_{2} = \begin{pmatrix} -4 - 6 \\ 2 & 3 \end{pmatrix}$ $x - \frac{1}{3} \left(\frac{1}{2} \frac{2}{9} \right) \times -2$ x-1/1 3/0/x-2 - 1/2 3/0/x-2 $(120) = (X_1 + 2X_2 = 0) = (1 \frac{3}{2}) = ($ X1=-2X2 upu X=10=> X1=-3X2 X2=12 $V_1 = \begin{pmatrix} -20 \\ 10 \end{pmatrix}$ up $X_2 = 2$ $V_2 = \begin{pmatrix} -3 \\ 2 \end{pmatrix}$ X2 = X2

De Dan eneparch hobofera hia so A= (-10) Flotafait, 250 etersées before elbusellyal glure reco corresponen Coscib-e. $\frac{-1-\lambda}{0} = \chi^{2} + 2 \cdot \chi + 1 = (\chi + 1) \cdot (\chi + 1)$ $|-\lambda-1| = (-\lambda-1)\cdot(-\lambda-1)-0\cdot 0 = (\lambda+1)\cdot(\lambda+1)\cdot(\lambda+1)$ Monus equato labor, no mosser bevorep elbu-cu codoité peu mori mars 3) Прсть миней ноги оператор задан матриней $f = \begin{pmatrix} 1 & 1 \\ -1 & 3 \end{pmatrix}$ Установить, вектор X = (1,1) собств. Вектором эмого мнейного операторя.

 $\begin{pmatrix} 1 & 1 \\ -1 & 3 \end{pmatrix} \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix} = \lambda \begin{pmatrix} \chi_1 \\ \chi_2 \end{pmatrix}$ X1 + X2 = XX1 1+1=1 N= 2 recons 1-X+3X=1X21-1+3=1 eque use Fn. o. beerop X=/1,1) elbuleral
coretben. Berropor. (4) Fyest receits onepeter jagan A = (0 3 0) yeranobiero, ebus-an 3 0 0 my bentop x = (3, -3, -4) cercité berrope anoro
meneripero eneparope 1003 3x, = /x -9=31 |-3-1 13X1 = 1X2 9=-3/ 1-3=1 3X3 = 1X3 -12=-4) (3=A) nongrenoch 2 unlugor, Th, O. bearon X = (3, -3, -4) me abu. cooció. Certopour moro unerentions onepoirage