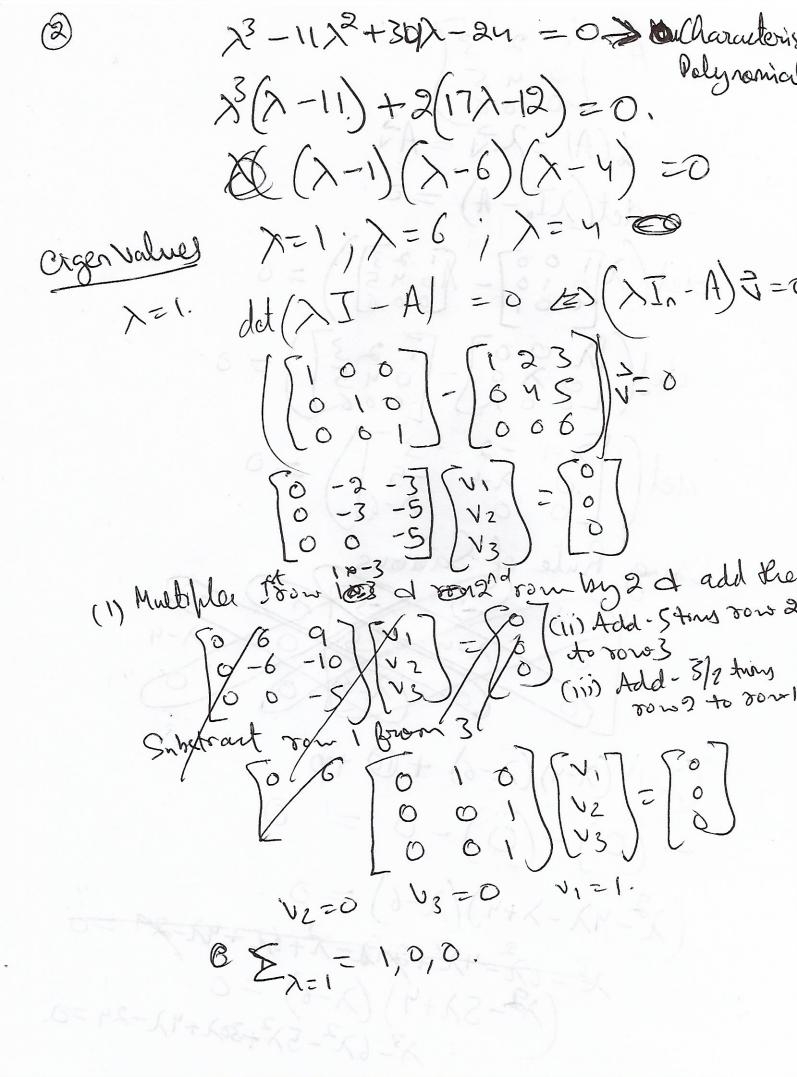
A= \ 0 45 t(A) = 2= A? $det(\lambda I_n - A) = 0$ det (2500) - 1043) =0 det [200] - [23] = 0 $\det\left(\begin{array}{c|c} \lambda-1 & -2 & -3 \\ 0 & \lambda-4 & -5 \\ 0 & 0 & \lambda-6 \end{array}\right) = 0$ Using Rule of Samons (2-1) (2-4) (2-6) + 10 to -(0)-(0)-0=0 $(\chi^2 - 4\chi - \lambda + 4)(\chi - 6) = 0$ 3-62-42+341-2+62+42-2 (2-5)+4)(2-6)=0入3-622-5月2+302+42-24



When $\lambda = 6$ $d6 \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} - \begin{bmatrix} 1 & 2 & 3 \\ 0 & 4 & 5 \\ 0 & 0 & 6 \end{bmatrix} = 0.$ [600] - [045] H = 0 $\begin{bmatrix} 5 - 2 & -3 \\ 0 & 2 & -5 \\ 0 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$ \[\begin{aligned}
5 - 2 - 3 \quad \nu \quad \qq \quad Cildivide Row 1 My.5, Ciil droide rows by 2d metops m = dadd 1 wor U, - 85 V3 = 0 V2- 8/2 V3 = 0

lets arkume if 103 = 1.

Then eigen Vector of $\chi = 6$ = (45, 5/2,1) & 221.

When >=4 (1 0 0 0) - [0 2 3] [V1] = [0] [V2] = [0] CII Bronde sour 1 by 3 d sound by B. (ii) 2 trm sow 2 pulm som 3 (11) Row 2 plu soul $\begin{bmatrix} 1 & -2/3 & 0 \\ 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} v_1 \\ v_2 \\ v_3 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \end{bmatrix}$ V, -2/302 = 0 V3=0. v, = 2/3 0/2. Ciger vector = 2/3,1,0

Carpervacion of 1 22

(1181 / Sh.