



$$(-2) \left[-205 + 83 + 3^{2} \right] - 40 + 43$$

$$410 - 163 - 23^{2} - 40 + 43$$

$$370 - 123 - 23^{2} = det$$

$$0$$

$$10$$

$$-13$$

$$-13 - 1$$

$$(-2)$$
 $\begin{bmatrix} 10 & -10 \\ -13 & -13-1 \end{bmatrix}$ $+(+9+1)$ $\begin{bmatrix} 0 & -10 \\ -13-1 \end{bmatrix}$ -4 $\begin{bmatrix} 0 & 107 \\ -13-1 \end{bmatrix}$

$$(-2)$$
 $\begin{bmatrix} 10 & 5-17 \\ -13 & -14 \end{bmatrix} + (9+16) \begin{bmatrix} 0 & 5-17 \\ -1 & -14 \end{bmatrix} - (42) \begin{bmatrix} 0 & 10 \\ -1 & -14 \end{bmatrix}$

(-2) [(-140) -(65+184]+(9+1) [5=1]-(2) [10] (-8) [-140 +65+13x] + (9+x) [J-1]- 20. (-2) [-75-13/] + 45-9/+5/-12-20 50+261+45-91+51-12-20 det AT = 175 + 22 1 - x2 12, (4-1) × def × =5 (4-1) (1625 +1651-1772-13) => (BS00 + GEO) - 6812-413-16257-16577-16577-173+14) $=) \left(6500 + 9651 - 2331^{2} + 131^{3} + 14 \right)$ $=) \left(6500 - 9651 - 2331^{2} + 131^{3} + 14 \right)$ (1)Sox | -8 X olet A! -8 (370-127-272) -> \-2960+967+1672 (2)

Jo3, -1 det A'11 (-1) (390+10 K) -390-10K dof, 2 det AIX 2 (175 + 22/ - 12) 350 +441 -212 Denerally, the whole obsermment! 6500-6657-23372-4(1373)+N4(-2860)+86N4(6N2)380 (+350 +(447) +2 ×2) =0 3500-8351-24972+1373+74=0 to lebor folke the equation; Divof 3500 = 1/1, +3/15 bedis try 5 = 3500 + 835(5) - 205(5) 2+13(5) 3+54 = 0 Final equation (3500 - 835/ - 219/2+13/3+14) Let's test dixisons of 3 roso Tests: Divisors of 3000: £1, £2, £4, £5, £7, £10, £14, £30, tar, tas, to, ±10, ±10, ±100, ±125, ±140, ±175, ± 200, ± 300, ± 700, ± 700, ± 875, ± 1700, ± 3000 Let's test some of them: = 5+ + 13(53) + - 219(50) - 835(5) + 3500 = 621 + 1021 4-5475-4175 +3500 = 5750 - 9650 Test 2 = -5 = -5+ + 13(-53) - 219(-52) -835(-5) +3100 = 625+4175+3100-1625-5475 = 1800 + 0 Test 2 = 10 T = 107 + 13(103) - 219(102) -835 (10) + 3100 = -3750 =0 - Test >= -20 = -204 + 13(-203) - 219(-202) - 835(-20) + 3500 = -11400 \$ 0 A) = 35 + + 13(353) - 219(352) - 835(35) + 3500 ¥) - 144 +13 (143) - 219 (142) - 835 (14) + 3100 = 22974 \$0

+ TAIL R= -14 = -144 + 13 (143) - 219 (142) - 835(14) +3500 of) Fore 2 = 7 = 7+ + 13 (73) - 219 (72) -835 (7) +3mo = -646 \$0 so. There one no roofs for this Equation Implies that there is no Eigen ralue not Bigen Vector for the provided matrix. All of us i Nchristan 2) Carone 31 EVR 4) Thierns Have contin buted to the LONK. G Roup 20