no of column of the original matrin: no. of evariables E, X1-2x2+X3=0 no. of rows. no. of equations R2 0 2 -8 Ez 2x2-8x3=8 R3 -4 5 9 1-9 E3 -4x1+5x2+9x3=9 R=R3+4R1 E3 - E3 + 4E1 rows columns RI = RI+2RZ  $\frac{1}{2} = \frac{2}{2} = \frac{13}{9} = \frac{13}{9} = \frac{13}{9} = \frac{10}{9} =$