of the vector space Find the dinensions spanned by rectors: (1, 1, -2, 0, -1)(1, 2, 0, -4, 1)(0, 1, 3, -3, 2)(2,3,0,-2,0) and hind a basis bor that space. 1 Basis Le Pe recher space: as Need to cheek it rechas are levenly independent!

(51) Add veebs to matrix born

52 Perform elimination

(53) Columns with pirots - > independent!

$$\begin{bmatrix}
1 & 1 & -2 & 0 & -1 \\
1 & 2 & 0 & -4 & 1 \\
0 & 1 & 3 & -3 & 2 \\
2 & 3 & 0 & -2 & 0
\end{bmatrix}$$

+ But, can no longer use I planets

of the hasss: because, hen re did climinatur we charged the column space of the original matrix