0 4) (11 /2)
$\left\{ \begin{pmatrix} 2 \\ 3 \end{pmatrix} \begin{pmatrix} 2 \\ 4 \end{pmatrix} \right\}$
(2/, (4/)
11) 1/2
\rightarrow lin. dep. since $\begin{pmatrix} \frac{3}{2} \end{pmatrix} = \frac{1}{2} \begin{pmatrix} \frac{2}{6} \end{pmatrix}$
5) [3 2 1 0]
1245
0000
-> columns are lin.dep, 473
- rows are in, dep., since
one now is (0) = 0.
$\begin{array}{c c} 6 & \boxed{1} & \boxed{0} = A \\ \hline & \boxed{3} & \boxed{0} \end{array}$
3 0]
-> columns are lin. dep. since
one is 0
$\rightarrow det A = 0$
→ det At = 0
- nows are lin. dep.
-> for square matrix nxn
the columns and rows
are either both linidep.
or both lin. indep.
7) 1) -> system -> Ax=6; A 3x2
rows of A are lin, indep. (3>2)
-> columns of A are lin, indep, (one solution)
Lowns of A art III, INdep, (one solution)