

(2)  $\rightarrow$  Is  $\begin{pmatrix} 0 & 1 & 3 \\ 1 & 0 & 4 \\ 0 & 0 & 0 \end{pmatrix}$  a row reduced echelon matrix?

Solution:

$$k_1 = 2$$

$$k_2 = 1$$

$$k_2 < k_1$$

$\therefore$  This is not a row reduced echelon matrix.