





Course Name: Linear Algebra	Professor/Teacher:
Title of Homework:	
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Find a basis of Span $\{(1,2,4,0,4), (0,0,0,1,1), (2,4,1,1)\}$ Using column space algorithm

derive a 5x3 matrix A $\begin{bmatrix}
1 & 0 & 2 \\
2 & 0 & 4 \\
-1 & 0 & 1 \\
0 & 1 & 1
\end{bmatrix}$ Esici) $\begin{bmatrix}
1 & 0 & 2 \\
2 & 0 & 4 \\
-1 & 0 & 1
\end{bmatrix}$ Esici) $\begin{bmatrix}
1 & 0 & 2 \\
0 & 0 & 3 \\
E_{3}(3)
\end{bmatrix}$ Eq. (4) $\begin{bmatrix}
1 & 0 & 2 \\
0 & 0 & 3 \\
E_{3}(3)
\end{bmatrix}$ Eq. (4) $\begin{bmatrix}
1 & 0 & 2 \\
0 & 0 & 3 \\
E_{3}(3)
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0 & 0 & 3 \\
E_{3}(3)
\end{bmatrix}$ Eq. (4) $\begin{bmatrix}
1 & 0 & 2 \\
0 & 0 & 3 \\
0 & 1 & 3
\end{bmatrix}$ Eq. (4)

So (1,2,4,0,1), (0,0,0,1,1), (2,4,1,1,1) is basis