

Assignment 9

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Abstract—This document contains a solution to find explicitly all 2×2 row-reduced echelon matrices.

Download all latex-tikz codes from

https://github.com/Matish007/Matrix-Theory-EE5609-/tree/master/Assignment_9

1 PROBLEM

Describe explicitly all 2×2 row-reduced echelon matrices.

2 SOLUTION

2×2 matrices which are row-reduced echelon matrices are:-

$$\begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}, \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix}, \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$