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Paper: 07

Topic: Rank of Matrix

Q. Find the Renk of Matrix
$$A = \begin{bmatrix} 1 & 2 & 3 & 4 \\ 2 & 1 & 4 & 3 \\ 3 & 0 & 5 & -10 \end{bmatrix}_{3X4}$$
Minor of $A = \begin{bmatrix} A_1 \\ 3 \\ 3 \\ 0 \end{bmatrix}_{3X3}$

$$A_1 = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 1 & 4 \\ 3 & 0 & 5 \end{bmatrix}_{3X3}$$

$$|A_1| = 1 \begin{bmatrix} 1 & 4 \\ 0 & 5 \end{bmatrix}_{-2} \begin{bmatrix} 2 & 4 \\ 3 & 5 \end{bmatrix}_{3X3}$$

$$|A_1| = 1 \begin{bmatrix} 1 & 4 \\ 0 & 5 \end{bmatrix}_{-2} \begin{bmatrix} 2 & 4 \\ 3 & 5 \end{bmatrix}_{3X3}$$

$$|A_1| = 1 \begin{bmatrix} 1 & 4 \\ 0 & 5 \end{bmatrix}_{-2} \begin{bmatrix} 2 & 4 \\ 3 & 5 \end{bmatrix}_{3X3}$$