

## SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore - 641 107



## AN AUTONOMOUS INSTITUTION

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Solve by Gauss- Jordan method:  

$$5x_1 - x_2 = 9$$
;  $-x_1 + 5x_2 - x_3 = 4$ ;  $-x_2 + 5x_3 = -6$   
The given an augmentered matrix is
$$(A, B) = \begin{bmatrix} -1 & 5 & -1 & | & 4 \\ 5 & -1 & 0 & | & 9 \\ 0 & -1 & 5 & | & -6 \end{bmatrix}$$

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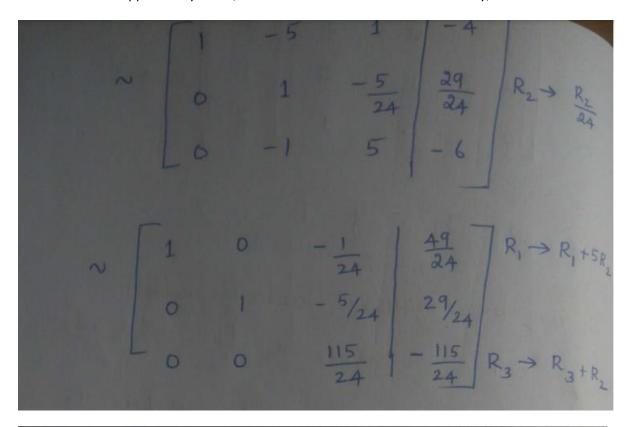
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