## RVC Sairam - AIRESCH13001

September-05-2020

## Question:

Find the distance between the two planes  $(2\ 3\ 4)x = 4$  and  $(4\ 6\ 8)x = 12$ 

## Solution:

If the two planes are of the form  $n^Tx=c_1$  and  $n^Tx=c_2$ , Then the distance between the planes is given by :

$$\frac{|c_1-c_2|}{\|\vec{n}\|}$$

So, the distance between the given planes is:

$$\frac{|4-6|}{\|[234]\|} = \frac{2}{\sqrt{29}}$$

Assignment-1 : Parallel Planes

