## Step-1

The two independent vectors in the plane x+2y-3x-t=0 are (1,0,0,1),(0,3,2,0).

The three independent vectors in the plane x + 2y - 3z - t = 0 are (1,0,0,1), (0,3,2,0), (1,1,1,0).

(All vectors above satisfy the equations x + 2y - 3z - t = 0).

## Step-2

Four vectors are not linearly independent because the number of maximally independent vectors of the plane is three. Or dimension of the plane is three.

The null space of A is x+2y-3z-t=0.