

LAB 07

Question 1

1. A RANDOMLY GENERATED MATRIX OF 6x5 IS AS FOLLOWS:

1 2 4 4 4
4 5 6 4 4
5 6 2 4 1
3 5 4 5 3
5 2 6 2 1
4 4 4 2 3

2. NO
3. 5
4. YES SOLVABLE
5. SOLUTION=[-53.280000000000015, -29.559999999999995, 21.2, -7.6, 22.0]

FOR OTHER MATRIX :

[1 2 2 2]

[2 4 6 8]

[3 6 8 10]

RANK=2

AS RANK IS < NO OF ROWS SO LINEARLY DEPENDENT

AND NOT SOLVABLE