```
Enter the number of unknowns (equations): 4
Enter the entries the coefficient matrix rowwise: [1 1 0 3; 2 1 -1 1; 3 -1 -1 2; -1 2↙
3 -1]
Enter the entries of the right hand side centor: [4; 1; -3; 4]
The augmented matrix corresponding to the system is givne by:
     1     1     0     3     4
     2     1    -1     1     1
     3    -1    -1     2    -3
    -1     2     3    -1     4


Gaussian elimination steps:
Step- 1

     1     1     0     3     4
     0    -1    -1    -5    -7
     0    -4    -1    -7   -15
     0     3     3     2     8


Step- 2

     1     1     0     3     4
     0    -1    -1    -5    -7
     0     0     3    13    13
     0     0     0   -13   -13


Step- 3

     1     1     0     3     4
     0    -1    -1    -5    -7
     0     0     3    13    13
     0     0     0   -13   -13


Solution of the system is given by:
    -1
     2
     0
     1

>>
```