Sort the given matrix

```
SIZE = 10
def sortMat(mat, n) :
  temp = [0] * (n * n)
           temp[k] = mat[i][j]
  temp.sort()
          mat[i][j] = temp[k]
def printMat(mat, n) :
           print(mat[i][j] , end = " ")
mat = [ [ 5, 4, 7 ],
n = 3
print( "Original Matrix:")
printMat(mat, n)
```

```
sortMat(mat, n)
print("\nMatrix After Sorting:")
printMat(mat, n)
```

Check if all rows of a matrix are circular rotations of each other

```
MAX = 1000
def isPermutedMatrix(mat, n) :
  str cat = ""
  for i in range(n) :
       str cat = str cat + "-" + str(mat[0][i])
       for j in range(n) :
           curr str = curr str + "-" + str(mat[i][j])
   return False
  mat = [[1, 2, 3, 4],
      [4, 1, 2, 3],
      [3, 4, 1, 2],
       [2, 3, 4, 1]]
```

```
if (isPermutedMatrix(mat, n)):
    print("Yes")
else :
    print("No")
```