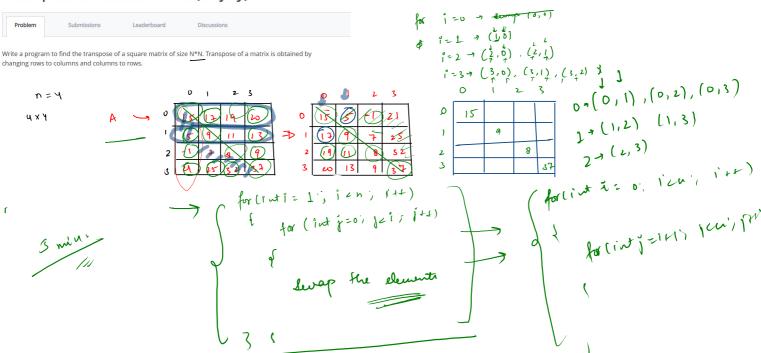
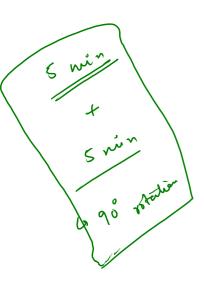
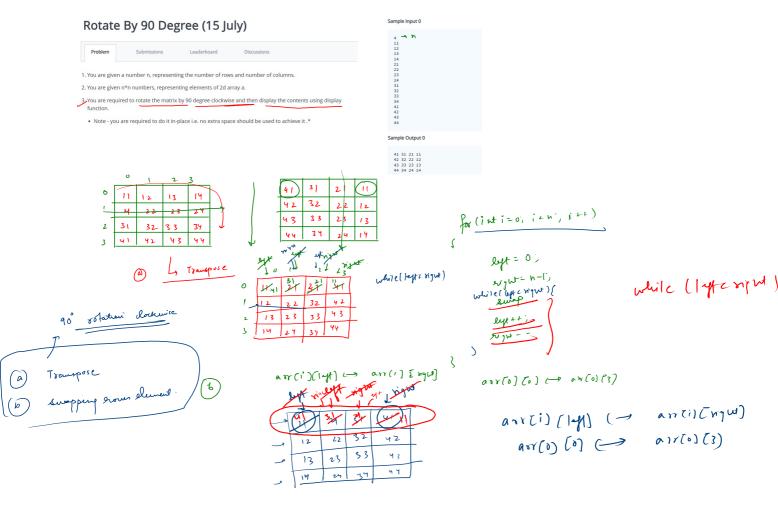
2-0

Transpose of Matrix of N*N (16 july)





```
public class Solution {
    public static void transpose(int arr[][],int n){
        for(int i=1;i<n;i++){
            for(int j=0;j<i;j++){
                int temp = arr[i][i];
                arr[i][j] = arr[j][i];
                arr[j][i] = temp;
    }
    public static void displayArray(int arr[][],int n){
        for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
               System.out.print(arr[i][j] + " ");
            System.out.println();
    }
    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Print output to STDO
        Scanner scn = new Scanner(System.in);
       int n =scn.nextInt();
        int arr[][] = new int[n][n];
        for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
                arr[i][j] = scn.nextInt();
        transpose(arr,n);
       displayArray(arr,n);
```



```
public static void transpose(int arr[][],int n){
    for(int i=1;i<n;i++){
        for(int j=0;j<i;j++){
             int temp = arr[i][j];
            arr[i][j] = arr[j][i];
            arr[j][i] = temp;
public static void swappingRowElements(int arr[][],int n){
    for(int i=0;i<n;i++){
        int left=0, right=n-1;
        while(left<right){
           int temp = arr[i][left];
            arr[i][left] = arr[i][right];
            arr[i][right] = temp;
            left++;
            right--;
public static void displayTheArray(int arr[][],int n){
    for(int i=0;i<n;i++){
        for(int j=0;j<n;j++){
            System.out.print(arr[i][j] + " ");
        System.out.println();
```

```
public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN.
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int arr[][] = new int[n][n];

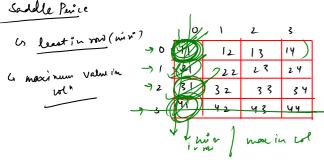
    for(int i=0;i<n;i++){
        for(int j=0;j<n;j++){
            arr[i][j] = scn.nextInt();
        }
    }

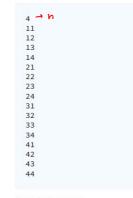
    transpose(arr,n);
    swappingRowElements(arr,n);
    displayTheArray(arr,n);
}</pre>
```

Saddle Price (15 July)

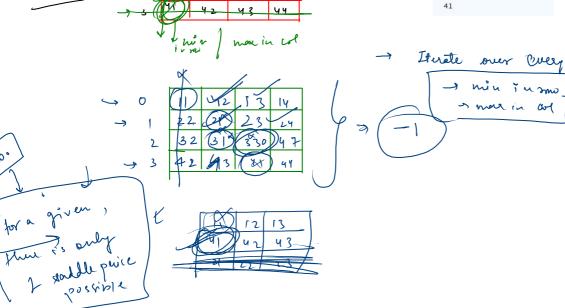
Problem Submissions Leaderboard Discussions 1. You are given a square matrix of size 'n'. You are given n*n elements of the square matrix. 2. You are required to find the saddle price of the given matrix and print the saddle price.

- 3. The saddle price is defined as the least price in the row but the maximum price in the column of the matrix.





Sample Output 0



$$k=0 < 3 (7)$$
 $11 < 11(F)$
 $k = (3 (7))$
 $11 < 22$

```
| public class Solution {
     public static void saddlePrice(int arr[][],int n){
         for(int i=0;i<n;i++){
             int min = arr[i][0];
             int col = 0;
             boolean flag = true;
             for(int j=1;j<n;j++){
                 if(min>arr[i][j]){
                      min = arr[i][j];
                      col = j;
             for(int k = 0; k < n; k++){
                 if(min <arr[k][col]){</pre>
                      flag = false;
                      break;
             }
             if(flag == true){
                  System.out.println(min);
                  return ;
         System.out.println(-1);
```