

Diagonal sorting (both left and right)

Solution :

```
import java.util.*;
class Diag_sorting
{
    static Scanner sc=new Scanner(System.in);
    void sort_left(int arr[][],int n)
    {
        int i,j,t=0;
        for(i=0;i<n;i++)    //sorting left diagonal
        {
            for(j=0;j<(n-1);j++)
            {
                if(arr[j][j]>arr[j+1][j+1])
                {
                    t=arr[j][j];
                    arr[j][j]=arr[j+1][j+1];
                    arr[j+1][j+1]=t;
                }
            }
        }
    }

    void sort_right(int arr[][],int n)
    {
        int i,j,t=0;
        for(i=0;i<n;i++)    //sorting right diagonal
        {
            for(j=0;j<(n-1);j++)
            {
                if(arr[j][2-j]>arr[j+1][(n-1)-(j+1)])
                {
                    t=arr[j][(n-1)-j];
                    arr[j][(n-1)-j]=arr[j+1][(n-1)-(j+1)];
                    arr[j+1][(n-1)-(j+1)]=t;
                }
            }
        }
    }
}
```

25. 1000 Rotation Clockwise Year : 2015