Sample Input 0

Sample Output 0

$$0 = \frac{3}{(1)^{3}} = \frac{3}{(2)^{3}} = \frac{3}{(2$$

do

d2

```
2=5
 1 import java.io.*;
 2 import java.util.*;
                                                                                      2
                                                                          0
 4 public class Solution {
 6
       public static void main(String[] args) {
                                                                    6
                                                                                     3
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           int [][] A = new int[n][n];
10
          for(int i = 0; i < n; i++){
11
               for(int j = 0; j < n; j++){
                                                                                8
12
                   A[i][j] = scn.nextInt();
13
14
15
           //logic
16
           int d = 2*n-1;
17
           for(int s = 0; s < d; s++){
              for(int i = 0; i < n; i++){
18
                                                                   · 0=2
19
                  for(int j = 0; j < n; j++){
20
                      if(i + j == s){
                                                                                                    1=
21
                          System.out.print(A[i][j] + " ");
22
23
24
25
26
27 }
```

Upper Triangle.

Sample Output 0

3 7 1

6 2

3 7 1

0 0 .

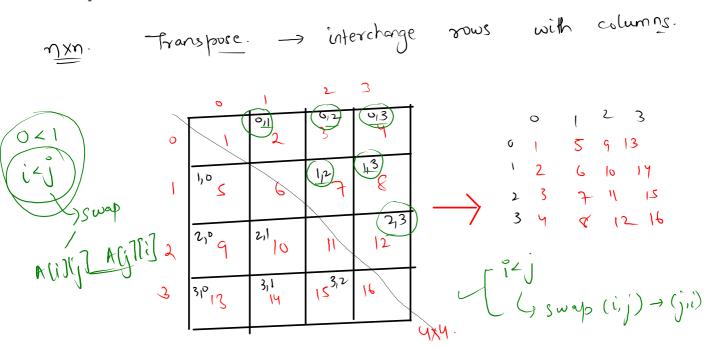
لۍ و کې ر

```
6
       public static void swap(int [][] A, int i, int j){
           int tmp = A[i][j];
 8
           A[i][j] = A[j][i];
 9
           A[j][i] = tmp;
10
       }
11
12
       public static void main(String[] args) {
13
           Scanner scn = new Scanner(System.in);
14
           int n = scn.nextInt();
15
           int [][] A = new int[n][n];
16
           for(int i = 0; i < n; i++){
17
               for(int j = 0; j < n; j++){
18
                   A[i][i] = scn.nextInt();
19
20
21
           //logic
22
           for(int i = 0; i < n; i++){
23
               for(int j = 0; j < n; j++){
24
                   if(i < j){
25
                        swap(A,i,j);
26
27
28
29
           //print
30
           for(int i = 0; i < n; i++){
31
               for(int j = 0; j < n; j++){
32
                   System.out.print(A[i][j] + " ");
33
34
               System.out.println();
35
36
       }
37 }
```

4 public class Solution {

You ar

Transpose of Matrix of N*N



```
public static void swap(int [][] A, int i, int j){
           int tmp = A[i][j];
           A[i][j] = A[j][i];
 9
           A[j][i] = tmp;
10
       }
11
12
       public static void main(String[] args) {
13
           Scanner scn = new Scanner(System.in);
14
           int n = scn.nextInt();
15
           int [][] A = new int[n][n];
16
           for(int i = 0; i < n; i++){
17
               for(int j = 0; j < n; j++){
18
                   A[i][j] = scn.nextInt();
19
20
           }
21
           //logic
22
           for(int i = 0; i < n; i++){
23
               for(int j = 0; j < n; j++){
24
                   if(i < j){
25
                       swap(A,i,j);
26
27
28
29
           //print
30
           for(int i = 0; i < n; i++){
31
               for(int j = 0; j < n; j++){
32
                   System.out.print(A[i][j] + " ");
33
34
               System.out.println();
35
36
       }
37 }
```

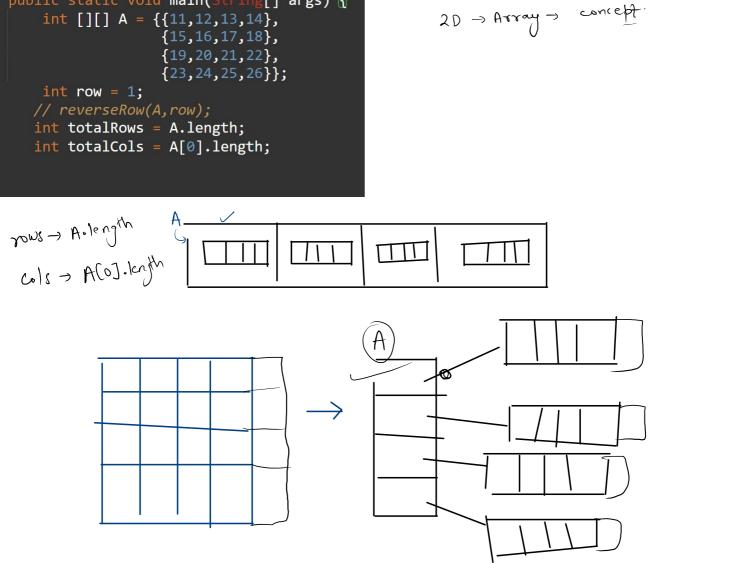
4 public class Solution {

row= 1 give (i/p) 0) reverse. 3 4 23 4 8 12 10 11 9 10 11 12

13 14 15 16

15 16

13 14



public static void main(String[] args) {

```
\{\{11,12,13,14\},
        {15,16,17,18},
        {19,20,21,22},
        {23,24,25,26}};
                            70W=1
                                             tmp=A[I][I]
                         tmb = 16
                                             A[1][1] = A[1][2]
                                                           A[1][2] = tmb
public static void reverseRow(int [][] A, int row){
   int i = 0;
   int j = A[0].length-1;
   while(i < j){</pre>
       int tmp = A[row][i];
       A[row][i] = A[row][j];
       A[row][j] = tmp;
       i++;
       j--;
```

2. reverse

1 2 3 4 5 6

7 8 9

$$tmp = A[i][o]$$

$$A[i][o] = A[i][3]$$

$$A[i][3] = s$$