class Solution{

public void rotate(int[][] matrix, int low, int high){

int temp1,temp2;

for(int i = 0; i < high-low; i++){

temp1 = matrix[high - i][low];

matrix[high - i][low] = matrix[low][low+i]; // 1

temp2 = matrix[high][high-i];

matrix[high][high-i] = temp1; // 2

temp1 = matrix[low+i][high];

matrix[low+i][high] = temp2; // 3

matrix[low][low+i] = temp1; // 4

}

}

public int[][] solve(int[][] matrix){

int n = matrix.length;

for(int i = n; i > 0; i -= 1){

if( n - i > i - 1)

break;

rotate(matrix, n - i, i - 1);

}

return matrix;

}

}