public class Main1 {

public static void matt(int[][] matrix) {

if (matrix.length == 0) return;

int top = 0;

int bottom = matrix.length - 1;

int left = 0;

int right = matrix[0].length - 1;

while (top<= bottom && left <= right) {

for (int i= left; i <= right; i++) {

System.out.println(matrix[top][i]);

}

top++;

for (int i = top; i <= bottom; i++){

System.out.println(matrix[i][right]);

}

right--;

if (top <= bottom) {

for (int i= right; i>= left; i--) {

System.out.println(matrix[bottom][i]);

}

bottom--;

}

if (left <= right) {

for (int i = bottom; i >= top; i--) {

System.out.println(matrix[i][left]);

}

left++;

}

}

}

public static void main(String[] args) {

int[][] matrix = {

{1, 2, 3},

{4, 5, 6},

{7, 8, 9}

};

matt(matrix);

}

}