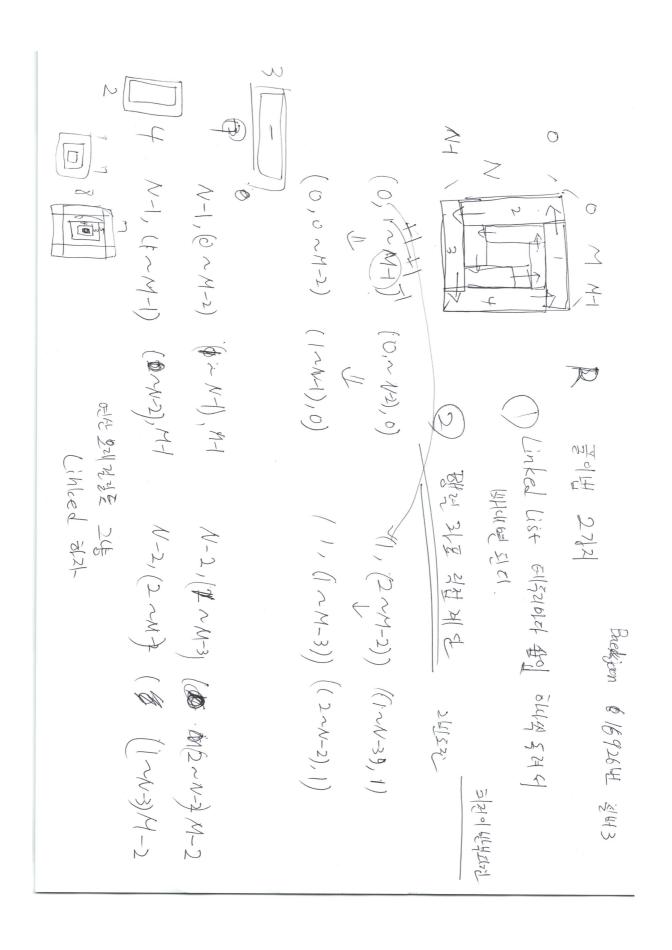
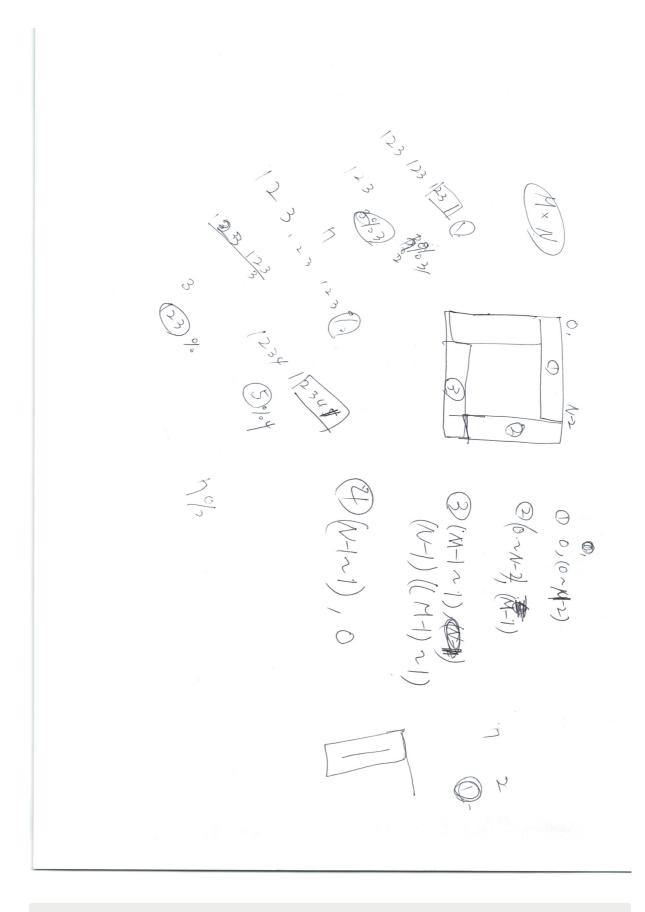
Baekjoon 16926 배열 돌리기1







import java.io.BufferedReader; import java.io.FileInputStream;

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import java.io.IOException;
import java.io.InputStreamReader;
import java.util.ArrayList;
import java.util.LinkedList;
import java.util.StringTokenizer;
//public class Main {
public class Baek16926_1 {
  static int N, M, R, listSize;
  static int[][] num;
  static ArrayList<LinkedList> a = new ArrayList<>();;
  static int[][] ans;
  public static void main(String[] args) throws IOException {
    System.setIn (new FileInputStream ("C:/CodingStudy/Baekjoon/Silver3/16926\_input.tx) \\
t"));
    BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
    StringTokenizer st = new StringTokenizer(br.readLine());
    N = Integer.parseInt(st.nextToken());
    M = Integer.parseInt(st.nextToken());
    R = Integer.parseInt(st.nextToken());
    listSize = (Math.min(N, M) % 2 == 0)? Math.min(N, M) / 2: Math.min(N, M) / 2 +
 1;
    for (int i = 0; i < listSize; i++) {</pre>
     a.add(new LinkedList<Integer>());
    } // end 각 테두리를 관리할 링크드 리스트 생성
    num = new int[N][M];
    ans = new int[N][M];
    for (int n = 0; n < N; n++) {
     st = new StringTokenizer(br.readLine());
     for (int m = 0; m < M; m++) {
        num[n][m] = Integer.parseInt(st.nextToken());
    } // end 초기 맵 입력
    readLine(0); // 테두리 별로 링크드 리스트에 넣기
    for (int idx = 0; idx < a.size(); idx++) {
     for (int i = 0; i < ((a.get(idx).size() > R) ?R: (R%a.get(idx).size())); i++)
 {
        a.get(idx).add(a.get(idx).poll()); // 돌리기
     }
    outLine(0);
    for (int col = 0; col < N; col++) {
     for (int row = 0; row < M; row++) {
        System.out.print(ans[col][row] + " ");
     }
      System.out.println();
    br.close();
  }// end main
  public static void outLine(int depth) {// 테두리 별로 링크드 리스트에서 불러오기
    for (int row = depth; row <= M - 2 - depth; row++) {
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ans[depth][row] = (int) a.get(depth).pop();
    for (int col = depth; col <= N - 2 - depth; col++) {
     ans[col][M - 1 - depth] = (int) a.get(depth).pop();
    for (int row = M - 1 - depth; row > 0 + depth; row--) {
     ans[N - 1 - depth][row] = (int) a.get(depth).pop();
    for (int col = N - 1 - depth; col > 0 + depth; col--) {
     ans[col][depth] = (int) a.get(depth).pop();
   if (depth == (listSize - 1))
     return;
   outLine(depth + 1);
 }
  public static void readLine(int depth) {// 테두리 별로 링크드 리스트에 넣기
    for (int row = depth; row <= M - 2 - depth; row++) {</pre>
     a.get(depth).add(num[depth][row]);
    for (int col = depth; col <= N - 2 - depth; col++) {
     a.get(depth).add(num[col][M - 1 - depth]);
    for (int row = M - 1 - depth; row > 0 + depth; row--) {
     a.get(depth).add(num[N - 1 - depth][row]);
    for (int col = N - 1 - depth; col > 0 + depth; col--) {
     a.get(depth).add(num[col][depth]);
    if (depth == (listSize - 1))
     return;
   readLine(depth + 1);
 }
}
```