class Main {

static void pattern22(int n) {

for (int i = 0; i < 2 \* n - 1; i++) {

for (int j = 0; j < 2 \* n - 1; j++) {

int top = i;

int bottom = j;

int right = (2 \* n - 2) - j;

int left = (2 \* n - 2) - i;

System.out.print(n - Math.min(Math.min(top, bottom), Math.min(left, right)) + " ");

}

System.out.println();

}

}

public static void main(String[] args) {

int N = 5;

pattern22(N);

}

}