public class MainClass {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

    int nDisks = sc.nextInt();

doTowers(nDisks, 'A', 'B', 'C');

}

public static void doTowers(int topN, char from, char inter, char to) {

if (topN == 1) {

System.out.println("Disk 1 from " + from + " to " + to);

} else {

doTowers(topN - 1, from, to, inter);

System.out.println("Disk " + topN + " from " + from + " to " + to);

doTowers(topN - 1, inter, from, to);

}

}

}