//TOWER OF HANOI

import javax.print.CancelablePrintJob;  
import javax.sound.midi.Soundbank;  
import java.io.File;  
import java.io.FileNotFoundException;  
import java.io.FileWriter;  
import java.io.IOException;  
import java.lang.reflect.Field;  
import java.sql.SQLOutput;  
import java.time.LocalDate;  
import java.time.LocalDateTime;  
import java.time.LocalTime;  
import java.time.chrono.ChronoLocalDateTime;  
import java.time.format.DateTimeFormatter;  
import java.time.format.FormatStyle;  
import java.util.\*;  
  
import static java.util.Arrays.*asList*;  
import static java.util.Arrays.*deepToString*;  
  
  
  
  
  
  
  
  
  
public class Main {  
public static void TOH(int n,String src, String help,String dest) {  
 if (n == 1) {  
 System.*out*.println("transferring disk "+n+" from "+src+" to "+dest);  
 return;  
 }  
 *TOH*(n - 1, src, dest, help);  
 System.*out*.println("transferring disk "+n+" from "+src+" to "+dest);  
 *TOH*(n - 1, help, src, dest);  
  
  
}  
 public static void main(String[] args) {  
 *TOH*(4,"s","h","d");  
 }  
  
  
  
 }