/\*\*

給予總電壓、可變電阻中移動點之電壓、總電阻，計算移動點兩邊的電阻

\*/

package com.company;

import java.util.Scanner;

import java.lang.String;

public class Main {

public static void main(String[] args) {

float v;

while (true) {

Scanner input = new Scanner(System.in);

System.out.print("請輸入總電壓：");

v = input.nextFloat();

if(v != -1){

System.out.print("請輸入B點電壓：");

float Vb = input.nextFloat();

System.out.print("請輸入總電阻：");

float R = input.nextFloat();

float RII = (Vb\*R);

RII = RII/v;

float RI = R - RII;

System.out.println("R1= " + RI + " Ω");

System.out.println("R2= " + RII + " Ω");}

else

{break;}

}

}

}