**Java Code**

import java.util.Scanner;

class Q1

{

public static void main(String args[])

{

int i,j;//used to iterate through the arrays

Scanner sc=new Scanner(System.in);

double x[]=new double[100],t1=0,t2=0,t3=0;

//x[] stores the flow at each level

//t1,t2,t3 are temporary variables used for swapping terms: swapping 3 terms

x[0]=100;//LET THE INITIAL VALUE OF FLOW BE 100

System.out.println("Enter the level, opening number and the value:");

int n=sc.nextInt();

int o=sc.nextInt();

double v=sc.nextDouble();

for(i=0;i<n;i++)

{

t2=x[0];//initial value is 100

t1=0;//t1 is initially 0

for(j=0;j<=i+1;j++)

{

t3=0.4\*t1+0.6\*t2;

t1=t2;

t2=x[j+1];

x[j]=t3;

}

}

System.out.println(v\*100/x[o]);//AS ALL OPERATIONS ARE LINEAR WE CAN SAY IF x[o]:100::v:?

}

}