import java.util.Scanner;

import java.util.Arrays;

public class MySecondJavaProgram {

private static int calculateSum(int array[],int max) {

int sum = 0;

for (int index=0;index<max-1;index++) {

sum+=array[index];

}

return sum;

}

public static void main(String[] args) {

int array[]={1,2,4,6,3,7,8};

int length=array.length;

Arrays.sort(array);

int max=array[length-1];

int originalSum=(max\*(max+1))/2;

int sum=calculateSum(array,max);

int missingNumber=originalSum-sum;

System.out.println(missingNumber);

}

}

Output : 5