/\* package whatever; // don't place package name! \*/

import java.util.\*;

import java.lang.\*;

import java.io.\*;

/\* Name of the class has to be "Main" only if the class is public. \*/

class Ideone

{

public static void main (String[] args) throws java.lang.Exception

{

int a[]={4,2,-3,1,6};

boolean x=func(a);

System.out.println(x);

}

static boolean func(int a[]){

HashMap<Integer,Integer>hmap=new HashMap<Integer,Integer>();

int sum=0;

for(int i=0;i<5;i++){

sum+=a[i];

if(sum==0|| hmap.get(sum)!=null){

System.out.println(sum);

return true;

}

hmap.put(sum,i);

}

return false;

}

}