import java.util.Scanner;

class TestClass {

public static void main(String args[] ) {

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

int a[]=new int[n];

int b[]=new int[n];

int counter=0;

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

{

a[i]=sc.nextInt();

}

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

{

b[i]=sc.nextInt();

}

sc.close();

int s1=5001;

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

{

if(a[i]<s1)

s1=a[i];

}

for(int j=0;j<n;j++)

{

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

{

if(a[i]>s1 && a[i]>=b[i])

{

a[i]=a[i]-b[i];

counter++;

}

if(a[i]<s1)

{

s1=a[i];

i=0;

}

}

}

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

{

if(a[i]!=s1)

{

counter=-1;

System.out.println(counter);

return;

}

}

System.out.println(counter);

}

}