

Number of steps

👤 126244    📊 87%    📄 30    ⭐⭐⭐★ 455 votes    📁 Basic Programming, Input/Output    ➦ [Share](#)

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Problem

You are given two arrays  $a_1, a_2, \dots, a_n$  and  $b_1, b_2, \dots, b_n$ . In each step, you can set  $a_i = a_i - b_i$  if  $a_i \geq b_i$ . Determine the minimum number of steps that are required to make all  $a$ 's equal.

Input format

- First line:  $n$
- Second line:  $a_1, a_2, \dots, a_n$
- Third line:  $b_1, b_2, \dots, b_n$

Output format

Print the minimum number of steps that are required to make all  $a$ 's equal. If it is not possible, then print -1.

Constraints

$0 \leq n, a_i, b_i \leq 5000$

Sample input

25 64 3

Sample output

-1

Sample Input	Sample Output
5 5 7 10 5 15 2 2 1 3 5	8

Time Limit: 1  
Memory Limit: 256  
Source Limit:

Explanation

-

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Enter your code or [Upload your code](#) as file. save C (gcc 10.3)

```
1 #include <stdio.h>
2
3 int main(){
4     int num;
5     scanf("%d", &num);           // Reading input from STDIN
6     printf("Input number is %d.\n", &num); // Writing output to STDOUT
7 }
8
```

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