



## Number of steps [🔖](#)

👤 126292 📊 87% 📄 30 ⭐⭐⭐⭐★ 455 votes 📁 Basic Programming, Input/Output [Share](#)

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### 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:

Enter your code or [Upload your code](#) as file.

Save

C++17 (g++ 10.3.0)



```
28 }
29 void solve()
30 {
31     int n; cin>>n;
32     vector<int>v1(n),v2(n); fin(v1); fin(v2);
33     int minim = min_element(v1.begin(),v1.end()) - v1.begin();
34     int sec = v2[minim];
35     int x = v1[minim];
36     ll ans=INT_MAX;
37     while(x>=0)
38     {
39         ll count=0;
40         bool ok=true;
41         for(int i=0;i<n;i++)
42         {
43             if(v1[i]==x) continue;
44             else{
45                 if(v1[i]<v2[i] || (v1[i]-x)%v2[i]!=0)
46                 {
47                     ok=false;
48                     break;
49                 }
50             }
51         }
52         if(ok) ans=min(ans, count/x);
53         x-=x/v2[minim];
54     }
55     if(ans==INT_MAX) cout<<-1<<endl;
56     else cout<<ans<<endl;
57 }
```



1:1 vscode



Test against custom input ▼

Compile & Test code

Submit code

Submission ID: 104396559

RESULT: Accepted

[Refer judge environment](#)

Score	Time (sec)	Memory (KiB)	Language
0	0.05613	2	C++17

Input	Result	Time (sec)	Memory (KiB)	Score	Your output	Correct output	Diff
Input #1	Accepted	0.009195	2	1			