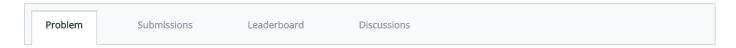
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# F D05 - GCD Max



Given an array a[N], write a program that prints the maximum GCD (Greatest Common Divisor ) of any subset of atleast size 2 the array.

GCD of two or more than two numbers is the biggest number that divides all of the given numbers.

#### Input Format

First line contains a number N, size of the array. Next N lines contain one integer each.

#### Constraints

1 <= N <= 1000 1 <= A[i] <= 1000

#### **Output Format**

Print the maximum possible GCD of any subset of size atleast 2 or print -1 if there is no such subset.

### Sample Input 0

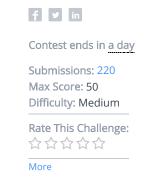
```
7
6
12
24
3
15
36
10
```

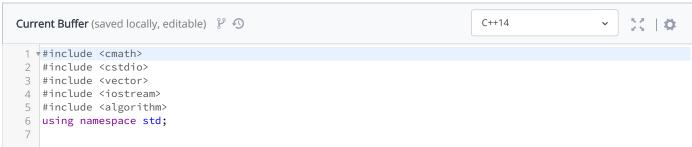
### Sample Output 0

12

## Explanation 0

12 is the greatest GCD possible by considering the subset {12,24,36}.





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| Solution | State | S
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