

Given the N integers, you have to find the maximum GCD (greatest common divisor) of every possible pair of these integers.

Input

The first line of input is an integer N ($1 < N < 100$) that determines the number of test cases.

The following N lines are the N test cases. Each test case contains M ($1 < M < 100$) positive integers that you have to find the maximum of GCD.

Output

For each test case show the maximum GCD of every possible pair.

Sample Input

```
3
10 20 30 40
7 5 12
125 15 25
```

Sample Output

```
20
1
25
```