# GCD Maximization

You are given an array A of N integers.

You can replace exactly one element of the array A.Then you complete the GCD (Greater Common divisor) of all the elements of A.

Find the maximum possible GCD you can get.

**Function Description**

Complete the GCD Maximization function in the editor below .it has the following parameters (S);

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| N | INTEGER | The size of A. |
| A | INTEGER ARRAY | The Given Array. |

Return- The function must return an INTEGER Containing the Maximum Possible GCD you can get.

**Constraints-**

1≤N≤10^5

1≤A[I]≤10^5

**Input Format for Debugging**

The first line Contains an integer, N, denoting the number of elements A.

Each line I of the N subsequent lines (Where 0≤i<N) Contains an integer describing A[I]

**Sample Test Cases**

|  |  |  |
| --- | --- | --- |
| Input | Output | Description |
| 2  6  12 | 12 | N=2  A=[6,12] |
| 3  1  4  8 | 4 | N=3  A=[1,4,8] |
| 4  2  4  6  8 | 2 | N=4  A=[2,4,6,8] |