# **Divisibility Relation**

## **English**

### <u>Vietnamese</u>

Given n positive integers. Your task is to select a maximum number of integers so that there are no two numbers a, b in which a is divisible by b.

## Input

- Line 1: n ( $1 \le n \le 200$ ).
- Line 2: n positive integers  $a_1, a_2, ..., a_n (1 \le a_i \le 10^9)$ .

## Output

- Line 1: k, the maximum number of integers that can be selected.
- Line 2: k selected integers.

# Example

## Input

8 1 2 3 5 6 8 7 9

#### Output

5 56879

#### Input

4 2 3 2 3

#### Output

2

23