## Divisibility Relation

## English

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

## Input

- Line 1: $\mathrm{n}(1 \leq \mathrm{n} \leq 200)$.
- Line 2 : $n$ positive integers $a_{1}, a_{2}, \ldots, a_{n}\left(1 \leq a_{i} \leq 10^{9}\right)$.


## Output

- Line $1: \mathrm{k}$, the maximum number of integers that can be selected.
- Line 2: k selected integers.


## Example

```
Input
8
12356879
```


## Output

5
56879
Input
4
2323
Output
2
23

