

# Heimilisverk

## Problem ID: heimilisverk

Ómar is a very responsible boy and has a list of chores he needs to do. The problem is that Ómar is very lazy, so the list of unfinished chores has become quite long. So long, in fact, that he does not remember what chores he has already put on the list and has thus put duplicates into the list every now and then.

Now he finally intends to do some chores from the list, but he doesn't want to repeat himself. Can you help him remove duplicate chores from his list? That is to say, if it appears more than once, he only wants the first instance of it to remain on the list.



Image from Oliver Tacke

### Input

The first line of the input contains the positive integer  $N$ , denoting the number of chores on the list. Then there are  $N$  lines, each with one chore.

### Output

The output should contain the filtered list, with one chore from the list on each line. The order matters and should be like in the input.

### Scoring

The solution will be tested on input data of varying difficulty and the data is divided into groups as shown in the table below. The solution will then be scored according to how many groups are solved.

Group	Points	Constraints
1	20	$N \leq 10$ , Each line is at most 10 characters
2	20	$N \leq 10^5$ , Each line is at most 2 characters
3	20	$N \leq 10^5$ , Each line is at most 10 characters
4	20	$N \leq 10^3$ , Each line is at most 1000 characters
5	20	$N \leq 10^6$ , The total number of characters in the input is at most $10^6$

#### Sample Input 1

```
4
Skuragolfid
Takatil
Skuragolfid
Thrifabilinn
```

#### Sample Output 1

```
Skuragolfid
Takatil
Thrifabilinn
```

#### Sample Input 2

```
2
Takaurvelinni
Ryksuga
```

#### Sample Output 2

```
Takaurvelinni
Ryksuga
```

**Sample Input 3**

5  
Takatil  
Takatil  
Takatil  
Takatil  
Takatil

**Sample Output 3**

Takatil

**Sample Input 4**

19  
Kill all humans  
Build my own theme park  
With Black Jack  
and hookers  
Forget the park  
Kill all humans  
Kill all humans  
Build my own lunar lander  
With Black Jack  
and hookers  
Forget the lunar lander and the Black Jack  
Kill all humans  
Did I mention killing all humans already?  
Imbibe excessive amounts of alchohol  
Become 500 feet tall  
Find out what would happen if I were human  
Become human  
Kill all humans  
Wait, no...

**Sample Output 4**

Kill all humans  
Build my own theme park  
With Black Jack  
and hookers  
Forget the park  
Build my own lunar lander  
Forget the lunar lander and the Black Jack  
Did I mention killing all humans already?  
Imbibe excessive amounts of alchohol  
Become 500 feet tall  
Find out what would happen if I were human  
Become human  
Wait, no...