

## E - The Huge One

Time Limit: 1 sec

Memory Limit: 16MB

Your girlfriend Marry has some problems with programming task teacher gave her. Since you have the great programming skills it won't be a problem for you to help her. And certainly you don't want Marry to have her time spent on this task because you were planning to go to the cinema with her this weekend. If you accomplish this task Marry will be very grateful and will definitely go with you to the cinema and maybe even more. So it's up to you now...

That's the task she was given:

Number  $0 \leq M \leq 10^{1000}$  is given, and a set S of different numbers from the interval [1;12]. All numbers in this set are integers. Number M is said to be wonderful if it is divisible by all numbers in set S. Find out whether or not number M is wonderful.

### INPUT:

First line of input data contains number  $N \leq 2000$ . Then N tests follow each described on two lines. First line of each test case contains number M. Second line contains a set S. Numbers of this set are separated by a space character.

### OUTPUT:

Output one line for each test case: „M – Wonderful.“, if the number is wonderful or „M – Simple.“ if it is not. Replace M character with the corresponding number. Refer output data for details.

### SAMPLE INPUT:

```
4
0
12 1 2 3 4 5 6 7 8 9 10 11 12
379749833583241
1 11
3909821048582988049
1 7
10
3 1 2 9
```

### SAMPLE OUTPUT:

```
0 - Wonderful.
379749833583241 - Wonderful.
3909821048582988049 - Wonderful.
10 - Simple.
```

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Huge Easy Contest #1