



## Calorae

### Problem Statement

Calorae is a user interface to count calorie intake. The user first enters the number of commands  $N$  to use on Calorae. There are 3 commands in Calorae. Help it process a sequence of commands.

### Input Format

The first line contains an integer  $N$  ( $1 \leq N \leq 1000$ ), the number of commands.

Each of the next  $n$  lines contains one command:

- `a M c` : add meal `M` with `c` calories. `M` consists of lowercase letters separated by single spaces, with no leading or trailing spaces ( $1 \leq |M| \leq 50$ ); `c` is the last token on the line ( $1 \leq c \leq 1000$ ).
- `d i` : delete the `i`-th entry (1-indexed). It is guaranteed to exist.
- `s` : print the current list.

The same meal name may be added multiple times. Each addition is treated as a separate entry in the list, even if its name and calorie count are identical to an existing entry.

### Output Format

For each `s` command, print each entry as `k. M c` on its own line, followed by `total: T`. If the list is empty, print only `no items listed yet.`

### Sample Input 1

```
2
a egg 70
s
```

### Sample Output 1

```
1. egg 70
total: 70
```

### Sample Input 2

```
5
s
a egg 70
a white rice 130
a red apple pie 300
s
```

## Sample Output 2

```
no items listed yet.  
1. egg 70  
2. white rice 130  
3. red apple pie 300  
total: 500
```

## Sample Input 3

```
9  
a egg 70  
a white rice 130  
a red apple pie 300  
d 2  
a sweet iced tea 77  
d 3  
a hot tea 2  
s  
a wheat bread 75
```

## Sample Output 3

```
1. egg 70  
2. red apple pie 300  
3. hot tea 2  
total: 372
```

## Explanation of Sample 3

After the first three commands, the list contains egg, white rice, and red apple pie. `d 2` removes white rice, so red apple pie moves up to entry 2. Sweet iced tea is added as entry 3 and immediately removed by `d 3`. Adding hot tea gives three entries, which `s` prints with total of 372. Wheat bread is added afterward, but since no `s` follows, it's never printed.