

## E. Cheese Board

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

*Not to be confused with [chessboard](#).*

### Input

The first line of input contains a single integer  $N$  ( $1 \leq N \leq 100$ ) — the number of cheeses you have.

The next  $N$  lines describe the cheeses you have. Each line contains two space-separated strings: the name of the cheese and its type. The name is a string of lowercase English letters between 1 and 10 characters long. The type is either "soft" or "hard". All cheese names are distinct.

### Output

Output a single number.

### Examples

input
9 brie soft camembert soft feta soft goat soft muenster soft asiago hard cheddar hard gouda hard swiss hard
output
3

input
6 parmesan hard emmental hard edam hard colby hard gruyere hard asiago hard
output
4