



Best Takeaways in Town

Time Limit: 1.0 s | Memory Limit: 512 MiB

Every year, the New Zealand Palate Competition (NZPC) recognises the finest takeaway stores across the country. This year, the Super Grub chain is determined to earn that recognition. They have set up a monthly internal challenge in each area which has at least 3 of their stores. Evaluation-panel members place orders at each store at least 4 times each month, and award establishments according to their findings.

The chain's management have come up with the following attributes they want to measure:

- Food taste
- Food quality
- Portion size
- Store hygiene
- Quality of service
- Price



Each feature is graded A, B or C on each visit. At the end of the month, the grades are used to calculate a score for each store. An A is worth 5 points, a B is worth 2 points and a C is worth 0 points. The store with the highest average score across all visits is given the Store of the Month Award. The panel scores takeaway to guarantee there are no ties for the award.

Input

The first line contains the month of the survey, given as a single word with the full name of the month.

The second line contains the name of the town in which the stores are located (one or two words).

The next line contains a single integer N ($1 \leq N \leq 10^5$), the number of lines of data on the stores.

The following N lines each contain the name of one store with the 6 grades for one visit. The name may be up to 4 words and is followed by a comma. The grades are 6 space-separated letters, each being A, B, or C, representing the score for a different attribute from the list above.

Each store will appear at least 4 times in the list.

Output

Output a single line in the format:

`<Store> was Store of the Month for <Town> in <Month>.`

`<Store>` is the name of the store with the highest calculated score.

`<Town>` and `<Month>` are as shown in the input.

The line ends with a full stop.

In first sample below:

- Don's Super Grub scores 6 As and 15 Bs, totalling $30 + 30 = 60$ points. Average 15.
- South Street Super Grub scores 1 A and 15 Bs, $5 + 30 = 35$, average 8.75.
- Elite Fish n Chips scores 8 As and 16 Bs, $40 + 32 = 72$, average 18, the top score.

NZPC26

1

Sample Input 1

July

This page is intentionally left (almost) blank.