Problem 7: Identify Closest Guess

15 minutes, 150 points
Filename: prob07 *(e.g. prob07.c, prob07.cpp, prob07.java, prob07.py2, prob07.py3)*

Description
You are hosting a contest to guess the correct number of pennies in a large jar. Given the actual number of pennies and each guess with the first name of the person who submitted the guess, list the first name(s) that guessed closest to the actual amount.

The first line of input will include a single integer that represents the correct number of items. The second line of input will include a single integer that indicates how many additional lines of input need to be read. Each additional line of input will contain a guess and a name.

The output should contain the name(s) of the closest guesses on a single line. If there are multiple matches closest matches (e.g. a tie), return each name on the same line separated by spaces. Names should be ordered same as they appear in the original list of guesses.

Sample Input

```
480
4
90 Karissa
400 Monica
560 Ben
173 Jade
```

Sample Output

```
Monica Ben
```

Sample Input

```
362
5
123 Andrew
456 Dylan
321 Adrienne
400 Caleb
314 Miles
```

Sample Output

```
Caleb
```