

Q3 // Closest Robbery

Anish is a very bad person who commits crimes. Specifically, he commits robberies. The only problem is he's *very, very lazy*. Today, Anish needs to be at a SAT class at 4, so he only has time for one robbery. Luckily, Anish has a magical device that knows the location of every shop in the area. The program only tells him the name and coordinates of the shops, which does not provide the ignorant Anish with the information he needs. Make a program that takes in the shop names and locations, and output the name of the shop that's closest to his location.

Input Specification:

The first line will contain the integers x ($-100 \leq x \leq 100$) and y ($-100 \leq y \leq 100$), separated by a space, indicating the coordinates of Anish.

The second line will contain the integer N ($1 \leq N \leq 50$), the number of shops.

The next N lines will contain the shop name and coordinates space-separated.

Output Specification:

Output the name of the shop that's closest to Anish's location.

Sample Input:

```
5 5
4
McD 2 5
Nike 10 5
Costco 100 45
Shoppers 4 5
```

Sample Output:

```
Shoppers
```