

## Clothes

Jojo is on vacation and he wants to buy souvenirs for his friends. When he goes to a clothing shop, the shop owner offers him a 10 dollar discount for every pair of items with the same size and color. He interested with the offer and remembered what color and size his friends want. How much discount can he get?

### Format Input

The first line of the input will consist of an integer  $T$ , the number of test cases. The first line of each test case consists of an integer  $N$ , number of friends he has. The next  $N$  lines will consist of a character  $S$  and an integer  $C$ , denoting the  $K$ -th friend's favourite size and color.

### Format Output

For each test case, print "Case #X:" (X starts at 1) followed by how much discount he will get.

### Constraints

$1 \leq T \leq 10$

$1 \leq N \leq 1000$

$1 \leq C \leq 1000$

Size will be either 'S', 'M', or 'L'

Sample Input (standard input)	Sample Output (standard output)
3 10 M 1 M 2 S 1 L 1 L 1 L 1 M 2 M 2 M 2 L 3 5 M 1 L 2 L 1 S 3 S 4 1 M 1	Case #1: 30 Case #2: 0 Case #3: 0

### Explanation

In the first case, there are three L 1 and four M 2, so he will get  $10 + 2 \cdot 10$  dollar discount.

In the second and third case, there are no 2 items with same color and size.