Problem B

B[a]by Me

When I was born, I was 5斤2两。Sorry for non-Chinese people. Here's what it means:

1斤=0.5kg

1两=0.05kg

So 5斤2两 means 0.5*5+0.05*2=2.6kg.

Given similar information for other babies, your task is to find out their weights in kg.

Input

The first line contains the number of test cases T(T<=100). Each test case contains a string in format "a斤b两"(1<=a<=10, 1<=b<=9) or "a斤"(1<=a<=10).

The input file will be encoded with UTF-8 without BOM (if you don't know what it is, you can safely ignore it).

Output

For each test case, print the ACCURATE weight in kg (without trailing zeros).

Sample Input

```
3
5斤2两
7斤3两
6斤
```

Output for the Sample Input

```
Case 1: 2.6
Case 2: 3.65
Case 3: 3
```

Rujia Liu's Present 6: Happy 30th Birthday to Myself
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