When I was born，I was 5 斤 2 两。Sorry for non－Chinese people．Here＇s what it means：
1 斤 $=0.5 \mathrm{~kg}$
1 两 $=0.05 \mathrm{~kg}$
So 5 斤 2 两 means $0.5^{*} 5+0.05^{*} 2=2.6 \mathrm{~kg}$ ．
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 $T(T \leq 100)$ ．Each test case contains a string in format ＇$a$ 斤 $b$ 两＇$(1 \leq a \leq 10,1 \leq b \leq 9)$ or＇$a$ 斤＇$(1 \leq a \leq 10)$ ．

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

## Sample Output

Case 1： 2.6
Case 2： 3.65
Case 3： 3

