
2. Cell Phone

Program Name: Cell.java

Input File: cell.dat

Andrea is planning to buy a new cell phone and is looking at several cell phone plans. One of the plans offers two different "per minute" plans. Plan A costs more per month than Plan B but less per minute used. The major difference in the two plans is the way their "per minute" time is calculated. For any call over an integral number of minutes, Plan A truncates the seconds while Plan B rounds the length of the call up to the next minute. For example, a phone call that lasts 3 minutes and 12 seconds would be charged for 3 minutes with Plan A and 4 minutes with Plan B.

Andrea has the lengths of all her phone calls for the last month. You are to write a program for her that will calculate the number of minutes for which she would be charged under each plan.

Input

The input file contains an unknown number of lines. Each line of input will be in the form $m.s$ where m represents the number of minutes and s represents the number of seconds of a phone call.

Output

You will print the number of minutes for which she would be charged under Plan A and under Plan B in the format shown below.

Example Input File

```
14.5
12.0
13.2
3.56
4.12
0.8
1.1
2.0
9.29
2.0
1.1
```

Example Output to Screen

```
PLAN A: 61
PLAN B: 69
```