1616 - Beauty and the Beast

Description

There was a beauty named Belle. Once she had violated the Beast's order and visited the West Wing. After that she was banished from the castle... Everybody was upset. The beautiful Belle was upset, so was the Beast, so was Lumiere the candlestick. But the worst thing was that Cogsworth was upset. Cogsworth is not a human, but is the mantel clock, which was often used as an alarm clock. Due to Cogsworth's frustration all the inhabitants of the castle were in trouble: now they could not determine when it was time to drink morning tea, and when it was time for an evening stroll. Fortunately, deep in the basement are lying digital clock showing the time in the format HH:MM.
Now the residents of the castle face a difficult task. They should turn Cogsworth's hour and minute mustache hands in such a way, that Cogsworth began to show the correct time. Moreover they need to find turn angles in degrees for each mustache hands. The initial time showed by Cogsworth is 12:00, and you can only rotate the hands forward.
As since there are many ways too select such angles because of full rotations, choose the smallest angles in the right (non-negative) direction. Note that Cogsworth's hour and minute mustache hands move evenly and continuously. Hands are moving independently, so when turning one hand the other hand remains standing still.

Input specification

Several lines of input, each one contains current time according to the digital clock, formatted as HH:MM (00HH23, 00MM59). The mantel clock initially shows 12:00.

Output specification

For each line of input you must print two numbers x and y in one line - the angles of turning the hour and minute hands, respectively ($0 <= x,y < 360$) rounded up with one value after the comma.

Sample input

```
12:00
04:30
08:17
```

Sample output

```
0.0 0.0
135.0 180.0
248.5 102.0
```

Hint(s)

Source	Yonny Mondelo Hernández
Added by	**ymondelo20**
Addition date	2011-11-15
Time limit (ms)	2000
Test limit (ms)	2000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text