**Code Challenge**

A highly secret weapon is stored in a military basement, guarded day and night.

However, between 00:00 and 01:00 each night, there’s a shift change, and only one guard is left in position. It is also common for that lone guard to fall asleep from time to time.

You want to steal the weapon.

After several nights of observations, your sources provided you with a list of activity during that hour.

An example list can be:

[1518-11-01 00:00] Guard #10 begins shift

[1518-11-01 00:05] falls asleep

[1518-11-01 00:25] wakes up

[1518-11-01 00:30] falls asleep

[1518-11-01 00:55] wakes up

[1518-11-01 23:58] Guard #99 begins shift

[1518-11-02 00:40] falls asleep

[1518-11-02 00:50] wakes up

[1518-11-03 00:05] Guard #10 begins shift

[1518-11-03 00:24] falls asleep

[1518-11-03 00:29] wakes up

[1518-11-04 00:02] Guard #99 begins shift

[1518-11-04 00:36] falls asleep

[1518-11-04 00:46] wakes up

[1518-11-05 00:03] Guard #99 begins shift

[1518-11-05 00:45] falls asleep

[1518-11-05 00:55] wakes up

Your goal:

* Write (in any language that you are comfortable with) a program that gets a path to a report file in the format of the list above, and finds which guard is most likely to fall asleep (the guard that has slept most minutes in total) and for that guard, which minute does he most often is asleep in.   
  In the above example, the program will output: “Guard #10 is most likely to be asleep in 00:24”
* You can assume that the file is accessible and the format of each line is valid
* Write tests as you judge necessary to check your code.