Problem 02. Sudoku Results

Minka likes to play Sudoku. She downloaded on her phone an application so she can play anytime, anywhere, but mostly when she is in the tram going to work. She also likes statistics and wants to know her **average time per game**. As a young programmer your task is to modify the Sudoku app to calculate the average time per game. After each game you should **get the time** and when she presses the **"Quit"** button the application should **display the average time in seconds**.

Also, when the game ends, it should give a score based on the average time. The rules for the score are as follows:

- When the average time is lower than 720 seconds - give a **Gold Star**
- When the average time is between 720 and 1440 **seconds** – give a **Silver Star**
- When the average time is higher than 1440 seconds – give a **Bronze Star**

Write a console application to test your modification. You'll get the **result for each game from the console, each on a new line in the format "[mm]:[ss]" until you receive the command "Quit". Convert the sum** of all results **to seconds**, find the **average seconds** and print the corresponding **star** and **the count of the games** in the following format:

- **{Gold, Silver or Bronze}** Star
- "Games – **{count of games}** \ Average seconds – **{average seconds}**".

Input

The input data should be read from the console. On **each new line** you will be given a string with the **time in minutes and seconds** until you receive the command **"Quit"**.

Output

The output should be printed on the console. It should consist of **exactly 2 lines:** First with received star and second with the count of the games and the average score in seconds **rounded up to the nearest integer** in the following format:

- **{Gold, Silver or Bronze}** Star
- "Games – **{count of games}** \ Average seconds – **{average seconds}**".

Constraints

- The time will always be in the format **"[mm]:[ss]"** with **leading zeros if it's necessary**.
- The input lines will be in the range: **[1… 100].**
- The minutes will be a valid integer in the range: **[00… 99]**.
- The seconds will be a valid integer in the range: **[00… 59]**.
- Allowed working time for your program: **0.25 seconds**.
- Allowed memory: **16 MB**.

Examples

Input	Outut
10:00 05:00 15:00 Quit	Gold Star Games - 3 \ Average seconds - 600

Input	Outut	Comments
10:00 19:01 Quit	Silver Star Games - 2 \ Average seconds - 871	10:00 + 19:01 = 600 + 1141 = 1741 sec 1741 / 2 = 870.5 -> Rounded up 871

Следвай ни: