

Problem 8**Airline Miles****3 Points****Program Name:** airline.cpp**Input File:** airline.dat

When flying frequently on most airlines, a passenger can join a frequent flier club. Benefits are based on the number of segments and miles that a passenger flies. A segment is a one-way trip regardless of the number of stops on the route. A round trip is two segments. Members are classified as Platinum, Gold or Silver Elite Status when they attain a threshold of segments or miles. If these thresholds convey different status, a member is awarded the higher one. The table below shows the threshold number of segments or miles that a member must have to attain the named Elite Status.

Elite Status	Number of Segments Flown	Number of Miles Flown	Notes
Platinum	120 and more	75000 and more	
Gold	80 - 119	50000 – 74999	
Silver	40 - 79	25000 – 49999	
Member	0 – 39	0 – 24999	

Input

Input to your program consists of a series of input lines with segments/miles pairs. The segments ($0 < S \leq 1000$) will start in column 1 of the input line. The segments will be followed by a single space followed by the miles ($0 < M \leq 1000000$).

Output

For each segments/miles pair, your program will print the Elite Status of the person with those segments/miles. Based on the above table, your program will print only the status (Platinum, Gold, Silver, Member) starting in column 1 on a line by itself.

Example: Input File

```
23 44235
17 24342
120 53234
118 74853
```

Output to screen

```
Silver
Member
Platinum
Gold
```