

Problem 6763 - Speed fines are not fine!

Multilingual

Time Limit	Memory Limit	Submissions	Accepted	Solved	Ratio
2 seconds	512 MB	4229	2664	2500	63.743%

Description

Many communities now have “radar” signs that tell drivers what their speed is, in the hope that they will slow down.

You will output a message for a “radar” sign. The message will display information to a driver based on his/her speed according to the following table:

km/h over the limit	Fine
1 to 20	\$100
21 to 30	\$270
31 or above	\$500

Input

The input will be two integers. The first line of input will be speed limit. The second line of input will be the recorded speed of the car.

Output

If the driver is not speeding, the output should be:

Congratulations, you are within the speed limit!

If the driver is speeding, the output should be:

You are speeding and your fine is \$F.

where F is the amount of the fine as described in the table above.

Sample Input 1

Copy

100
131

Sample Output 1

Copy

You are speeding and your fine is \$500.
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Sample Input 2

Copy

40
39

Sample Output 2

Copy

Congratulations, you are within the speed limit!

### Sample Input 3 Copy

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100
120
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### Sample Output 3 Copy

You are speeding and your fine is \$100.

### Source

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