



?How overweight are you

- Time limit: 0.5 seconds
- Memory limit: 50 MB

A scale called BodyMassIndex (BMI) is used to determine whether a person is overweight or not. This scale is calculated through the following relationship and is valued according to the following table:

$$B. M. I = \frac{W e i g h t I n K i l o g r a m s}{H e i g h t I n M e t e r s^2}$$

Write a program that calculates the user's BMI by taking the weight in kilograms and the height in meters, respectively, and prints it to two decimal places, and according to the range of the calculated number and the table below, the appropriate message regarding the user's fitness to give

- Underweight: $B. M. I < 18.5$
- Normal: $18.5 \leq B. M. I < 25$
- Overweight: $25 \leq B. M. I < 30$
- Obese: $30 \leq B. M. I$



▼ Questions

| | |
|-----|-------------------------|
| 100 | ?How overweight are you |
| 100 | Nasser in line |
| 100 | Hundreds are tired |
| 100 | Qanbar arrangement |
| 150 | Rick and Qoli |
| 150 |): I'm thirsty |
| 250 | Genghis misses |

All submissions

Final submissions

Scoreboard

Input

In the first line of the input, there is a real number n , which indicates the weight of the person.

In the second line, the real number m with a maximum of two decimal places is entered, which indicates the person's height.

$$1 \leq n \leq 200$$

$$1 \leq m \leq 10$$

Output

In the first line of the output, a number indicating the person's BMI should be printed with exactly two decimal places. Then, in the second line, an appropriate message regarding the user's fitness should be printed.

Example

Sample input

```
93
1.71
```

Sample output

31.80
Obese

POST AN ANSWER TO THIS QUESTION

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