# Problem 1 - Gandalf's Stash

Gandalf the Gray is a great wizard but he also loves to eat. When he is hungry he gets angry. These are some of Gandalf's favorite types of food:

• Cram: 2 points of happiness;

• Lembas: 3 points of happiness;

• Apple: 1 point of happiness;

Melon: 1 point of happiness;

HoneyCake: 5 points of happiness;

Mushrooms: -10 points of happiness;

• Everything else: -1 point of happiness;

#### Gandalf moods are:

• Angry - below -5 points of happiness;

• Sad - from -5 to 0 points of happiness;

• **Happy** - from 0 to 15 points of happiness;

• Special JavaScript mood - when happiness points are more than 15;

### Input

The input comes from the console. It will holds two lines: first - Gandalf's first mood.

On the second line will be described the foods that Gandalf will eat, separated with different symbols or whitespace(s). Comparing the input is **case-insensitive**. The input data will always be valid and in the format described. There is no need to check it explicitly.

## **Output**

Print on the console Gandalf's happiness points and mood after he drinks his beers.

#### **Constraints**

- The characters in the input string will be no more than: 1000.
- The food count would be in the range [1...100].
- Time limit: 0.3 sec. Memory limit: 16 MB.

## **Examples**

Input	Output
-10 Cram, banica, Melon!_, HonEyCake, !HoneYCake, hoNeyCake_;	7 Happy
-30 gosho, pesho, meze, Melon, HoneyCake@;	-27 Angry
-3 HoneyCake honeyCake HoneyCake HoneYCake HonEyCake HoneyCake HoneyCake HoNeyCake	47 Special JavaScript mood
-2 mELon, AMelon, beer,cRam, nacepin	-2 Sad

















