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Problem 42

4 points

Introduction

42, what a number! Do you know that..

- It is the sum of the first six positive even numbers. It is also the sum of the numbers on a pair of dice.
- It is the atomic number of Molybdenum.
- The hypothetical efficiency of converting mass to energy, as per known formula $E=mc^2$, by having a given mass orbit a rotating black hole is 42%, the highest efficiency yet known to modern physics.
- The Orion Nebula is the popular name for Messier object M42, a magnitude 5.0 diffuse nebula in the constellation Orion.
- The ASCII code 42 is for the asterisk symbol, being a wildcard for everything.
- There are 42 US gallons in a barrel of oil.
- Level 42 is a popular English music band.
- "42" is one of the tracks on Coldplay's 2008 album Viva la Vida or Death and All His Friends.
- In Star Wars Episode IX: The Rise of Skywalker, the Festival of the Ancestors on Planet Pasaana is held every 42 years.
- Last but not least, in "The Hitchhiker's Guide to the Galaxy" novel by Douglas Adams, the number 42 is the "Answer to the Ultimate Question of Life, the Universe, and Everything", calculated by an enormous supercomputer named Deep Thought over a period of 7.5 million years. Unfortunately, no one knows what the question is.

Given the importance of such number we need your help to detect how many times it appears in a given message.



To make things easier do not consider the case of decimal values with comma or point like 42.5 or 42,5. Neither consider the case of having a prefix formed by zeros like 042.



Input

A single line with the message to be analyzed.

Output

A single line with exactly the number of occurrences of 42.

Example 1

Input

My favourite number is 42. That is a 4 next to a 2 and nothing else. So, 420 is not valid. Just 42!

Output

2

Example 2

Input

See the Orion Nebula M42 through my telescope that my grandfather bought in 1942

Output

1