



(/en/),  
v1.1.0

# CSD Testing System

(/en/),

## Find correct dates

Cost: 16 | Solved: 118

**Memory limit:** 256 MBs

**Time limit:** 1 s

**Input:** input.txt

**Output:** output.txt

### Task:

You are given a set of strings separated with line feed characters.

You need to find all the substrings that represent correct date formats. The correct date formats are: DD.MM.YY, DD.MM.YYYY, MM.DD.YY, MM.DD.YYYY, where DD/MM/YY are day/month/two-digit format year respectively, YYYY is four-digit format year.

*Surely, you know that the number of days can not exceed 29 in February and 31 in all other months.*

### Input:

A set of strings separated with line feed characters.

### Output:

Output three values for each longest correct substring: the index of the string it is in, the index of the beginning and the index of the end of it.

All the longest correct substrings in the order in which they appear in the text, separating each with a line feed character.

### Example:

Input	Output
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Ftet30.02.1999	01.01.11
01.01.11_+L12.22.2121	12.22.2121
09.18.1r11.30.67	11.30.67