Problem M. Missing Vowels

Time limit: 2 seconds
Memory limit: 1024 megabytes

There are many ways to write a word on paper. For example, some writing systems, like Arabic and Hebrew, omit most vowels, although they write some of them.

In this problem, we will only consider strings consisting of English letters and hyphens. Letters '`a`', '`e`', '`i`', '`o`', '`u`', and '`y`' are considered to be vowels, while hyphens and all other letters are considered to be consonants. All comparisons are case-insensitive: uppercase and lowercase versions of the same letter are considered equal.

You are given two strings s and f, called the *short* name and the *full* name, respectively. Your task is to check whether the short name s can be obtained from the full name f by omitting some vowels (possibly none).

Input

The first line contains a single string s, denoting the short name.

The second line contains a single string f, denoting the full name.

Each string is non-empty and consists of at most 1000 English letters and hyphens.

Output

Print "`Same`" if the short name s can be obtained from the long name f by omitting some vowels, and "`Different`" otherwise.

Examples

standard input	standard output
Shrm-el-Shikh Sharm-el-Sheikh	Same
Eilot Eilat	Different
Saint-Petersburg Saint-Petersburg	Same
Bcdfghjklmnpqrstvwxz Abcdefghijklmnopqrstuvwxzyy	Same
Aa aaaA	Same
Etis-Atis-Amatis Etis-Atis-Animatis	Different
will-the-wisp will-o-the-wisp	Different
--a-very-short-name-- long-name	Different