

1389 - Maximum Palindrome

Description

A palindrome is a sequence of digits (or letters, if you want to) read the same forward and backward. The number 12344321 is a palindrome, as well as 12321 and 3, the number 2468 is not a palindrome. Read a number of up to 75 digits and find the largest palindrome that occurs in this number. The palindrome is everywhere and may take from two digit until all digits of the number and is guaranteed to be unique.

Input specification

A single number up to 75 digits.

Output specification

The largest palindrome which is found anywhere in the number.

Sample input

```
82910341234565432158735
```

Sample output

```
12345654321
```

Hint(s)

```
8291034-->12345654321<--58735
```

Source	Xtreme Programming Problem Archive
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Time limit (ms)	10000
Test limit (ms)	1000
Memory limit (kb)	65536