# Letter

A and B have known each other for many years, they often write to each other. A divide his letter into two parts and the second part starts withs some letters which are also at the end of the first parts,

The letter is very long, so B wants you to find the shortest possible result that is the content of the letter A sent.

#### Input

Including 2 lines:

- + The first line is the content of first part.
- + The second line is the content of the second part.

Each section consists of only latin characters and contains no spaces.

## **Output**

The shortest possible length of the letter

### **Example**

#### Input:

trunghoccosotran trandainghia

#### **Output:**

24