Write a program that reads a sequence of words and prints how many times the last word appears.

**Input**

Input starts with a natural number $n \geq 1$ that indicates how many words are coming. Then, there are $n$ words.

**Output**

Your program must print, in a line, how many times appears the last word of the sequence.

**Observation**

Use recursion (not tables).

**Sample input 1**

8 lamb cat dog cat lamb lamb cat dog

**Sample output 1**

2

**Sample input 2**

10 lemon apple pear lemon pear melon orange peach apple apple

**Sample output 2**

3

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**Problem information**

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