Budapest Hold'em

You are inclined to learn a novel variant of Poker, the Budapest Hold'em. In a game of Budapest Hold'em, you're given a five-card hand drawn from a standard 52-card deck. Each card has a rank (one of A, 2, 3, 4, 5, 6, 7, 8, 9, T, J, Q, K), and a suit (one of C, D, H, S).

As you lack Poker experience in general, you decide to learn a simple method to evaluate your hand. The *strength* of a hand is defined as the maximum value k such that there are k cards in the hand that have the same rank.

Given the cards drawn for you, find the strength of your hand.

Input

The input consists of a single line, with five two-character strings separated by spaces.

The first character in each string will be the rank of the card, and will be one of `A23456789TJQK`. The second character in the string will be the suit of the card, and will be one of `CDHS`.

It is guaranteed that all five strings are distinct.

Output

Output, on a single line, the strength of your hand.

Examples

input	output
AC AD AH AS KD	4
2C 4D 4H 2D 2H	3
AH 2H 3H 4H 5H	1