UCF Local Contest (Final Round) — August 31, 2024

Cool Phone Numbers

filename: `phone`
Difficulty Level: `Easy-Medium`
Time Limit: `5 seconds`

Phone numbers in USA are of the form *ddd-ddd-dddd*, i.e., 10 digits. In general, the fewer distinct digits in a phone number, the easier it is to remember the number. As a result, phone numbers with repeating digits are more popular.

The Problem:

Given a phone number, determine how many distinct digits there are in the number.

The Input:

There is only one input line; it provides the phone number using the above format. The input starts in column 1 and ends in column 12 (10 digits and 2 hyphens).

The Output:

Print 1-10 (the number of distinct digits) as follows:

1 – if all ten digits are the same, i.e., only one digit in the number, e.g., 888-888-8888
2 – if only two different digits in the number, e.g., 757-577-7577
3 – if only three different digits in the number
4 – if only four different digits in the number
5 – if …
…
10 – if ten different digits in the number, e.g., 246-189-0537

Sample Input	Sample Output
888-888-8888	1
757-577-7577	2
246-189-0537	10
012-987-9690	7
000-000-0000	1