Problem 135: Phonebook

Difficulty: Easy

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Originally Published: Code Quest 2021

Problem Background

Phone numbers in the United States contain 10 digits; a 3-digit area code, a 3-digit exchange code, and a 4-digit line number. These three sections of a phone number are always separated, but the way in which they can be separated varies widely.

Problem Description

The three most common methods of writing phone numbers are:

With parentheses: (317) 867-5309

With dashes: 317-867-5309With periods: 317.867.5309

For this problem, you will be presented with a 10-digit number and must format it using one of the methods shown above.

Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include a single line with two values separated by spaces:

- A ten-digit positive integer, representing the phone number to format
- One of the words "PARENTHESES", "DASHES", or "PERIODS", indicating one of the formats shown above.

3 1234567890 PARENTHESES 7531594862 DASHES 1470258369 PERIODS

Sample Output

For each test case, your program must print the phone number using the given format.

(123) 456-7890 753-159-4862 147.025.8369