**Problem A - f91**

**Time Limit: 1 second**

**Background**

McCarthy is a famous theorician of computer science. In his work, he defined a recursive function, called f91, that takes as input a positive integer *N* and returns a positive integer defined as follows:

* If *N ≤ 100*, then f91(*N*) = f91(f91(*N*+11));
* If *N ≥ 101*, then f91(*N*) = *N*-10.

**The Problem**

Write a program, that computes McCarthy's f91.

**The Input**

The input tests will consist of a series of positive integers, each integer is at most 1,000,000. There will be at most 250,000 test cases. Each number is on a line on its own. The end of the input is reached when the number 0 is met. The number 0 shall not be considered as part of the test set.

**Output**

The program shall output each result on a line by its own, following the format given in the sample output.

**Sample input**

500

91

0

**Sample output**

f91(500) = 490

f91(91) = 91