Related sum of the halves of a number   X84338_en

Given a non-negative integer n, compute the sum of the digits in the first and in the second halves of n. Your program must also indicate the order relationship among those quantities. This computation has to be done only when the number of digits of n is even.

The first half of a number with l digits (for even l) is formed by the $\frac{l}{2}$ left digits and the second half is formed by the $\frac{l}{2}$ right digits. For example, the number 70724444, has first half 7072 and second half 4444.

Input

The input is a non-negative integer n with $0 \leq n < 2^{31}$.

Output

The sum of the digits of the first half and the sum of the digits of the second half together with their relationship, provided that the number of digits is even.

Follow the format of the examples.

Sample input 1	Sample output 1
0	nothing

Sample input 2	Sample output 2
78	7 < 8

Sample input 3	Sample output 3
787	nothing

Sample input 4	Sample output 4
9787	16 > 15

Sample input 5	Sample output 5
70724444	16 = 16

Problem information

Author: Maria J. Blesa
Translator: Maria J. Serna

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