

Тесты:

```
>> 0 0
<< 0
>> 1 1
<< 10
>> 10 1
<< 100
>> 100 1
<< 10000
>> 101 1
<< 100000
>> 110 1
<< 1000000
>> 110 10
<< 10000000
>> 1111 11
<< 110000000000000000
```