



## SOI stickers

Mouse Stofl has got  $a$  transparent and  $b$  white SOI-Stickers on his laptop. He's wondering what type he has got more of.

- If he's got more white stickers, print '<'.
- If he's got more transparent stickers, print '>'.
- If he's got an equal number of stickers of both types, print '='.

### Input

Two integers  $a, b$ .

### Output

Print '<', '>' or '=', as described above.

### Limits

There are two batches of inputs worth 50 points each. In all test cases  $0 \leq a, b \leq 10^9$ .

- In the first batch  $a \neq b$ .
- In the second batch, there are no further restrictions.

### Examples

Input	Output
1 5	<

Input	Output
321 123	>

Input	Output
8 8	=