Forgotten Numbers

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

There's Pooh. Pooh hasn't much Brain, but he never comes to any harm. He does silly things and they turn out right. This time Pooh proudly pronounced an arithmetic ⟨Expression⟩.

There's Owl. Owl hasn't exactly got Brain, but he Knows Things. He would know right BNF to parse Pooh's ⟨Expression⟩.

$$
\begin{aligned}
\langle \text{Expression} \rangle &\longrightarrow \langle \text{MultTerm} \rangle \mid \langle \text{Expression} \rangle + \langle \text{MultTerm} \rangle \mid \langle \text{Expression} \rangle - \langle \text{MultTerm} \rangle \\
\langle \text{MultTerm} \rangle &\longrightarrow \langle \text{Term} \rangle \mid \langle \text{MultTerm} \rangle * \langle \text{Term} \rangle \\
\langle \text{Term} \rangle &\longrightarrow \langle \text{Number} \rangle \mid (\langle \text{Expression} \rangle) \mid \langle \text{MinTerm} \rangle \mid \langle \text{MaxTerm} \rangle \mid \langle \text{DivTerm} \rangle \\
\langle \text{MinTerm} \rangle &\longrightarrow min\ (\langle \text{Expression} \rangle, \langle \text{Expression} \rangle) \\
\langle \text{MaxTerm} \rangle &\longrightarrow max\ (\langle \text{Expression} \rangle, \langle \text{Expression} \rangle) \\
\langle \text{DivTerm} \rangle &\longrightarrow div2\ (\langle \text{Expression} \rangle)
\end{aligned}
$$

Also he knows that ⟨Number⟩ is some integer from 1 to 100 inclusive, *min* and *max* are minimum and maximum operations respectively, and $div2\ (x)$ is the greatest integer that doesn't exceed $\frac{x}{2}$.

And then there's Eeyore. And Eeyore is so miserable anyhow that he wouldn't mind about the fact that some numbers were forgotten and substituted with "`?`". Eeyore will patiently try to evaluate an ⟨Expression⟩ even when some numbers are unknown.

Input

The only line contains an ⟨Expression⟩ with forgotten numbers substituted with "`?`". Its length does not exceed 100 characters. It is guaranteed that the expression can be parsed with the given BNF.

Output

Output the number — result of Eeyore's computations if there is exactly one possible answer. Output "`?`" otherwise. Please note that Eeyore knows that numbers were integers ranging from 1 to 100.

Examples

standard input	standard output
`2+2`	`4`
`?+?`	`?`
`100-?`	`?`
`max(?,100)`	`100`
`div2(div2(div2(div2(div2(` `div2(div2(?)))))))`	`0`
`((?*?)+(?*?))*(1-1)`	`0`

`100*100*100*100*100*100*100*`
`100*100*100*100*100*100*100*`
`100*100*100*100`
	`100000000000000000000000000000000`