Interval

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

Given a number X. Determine in which of the following intervals the number X belongs to:

[0,25], (25,50], (50,75], (75,100]

Note:

- if X belongs to any of the above intervals print "Interval " followed by the interval.

- if X **does not belong** to any of the above intervals print **"Out of Intervals"**.

- The symbol '(' represents greater than.

- The symbol ')' represents smaller than.

- The symbol '[' represents greater than or equal.

- The symbol ']' represents smaller than or equal.

For example:

[0,25] indicates numbers between **0** and **25.0000**, including both.

(25,50] indicates numbers greater than **25**: **(25.00001)** up to **50.0000000**.

Input

Only one line containing a number X $(-1000 \leq X \leq 1000)$.

Output

Print the answer to the problem above.

Examples

standard input	standard output
25.1	Interval (25,50]
25.0	Interval [0,25]
100.0	Interval (75,100]
-25.2	Out of Intervals