
Float or int

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

Given a number N . Determine whether N is **float number** or **integer number**.

Note:

- If N is **float number** then print “**float**” followed by the **integer** part followed by **decimal** part separated by space.
- If N is **integer number** then print “**int**” followed by the **integer** part separated by space.

For more clarification see the examples below.

Input

Only one line containing a number N ($1 \leq N \leq 10^3$)

Output

Print the answer required above.

Examples

standard input	standard output
234.000	int 234
534.958	float 534 0.958