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H. Data Type Guessing

time limit per test: 1 second❓
memory limit per test: 256 megabytes
input: standard input
output: standard output

Given three numbers n, k and a. Identify whether the data type of $\frac{n \times k}{a}$ is `int`, `long long` or `double`.

Input
Only one line containing three numbers n, k and a ($1 \leq a, k, n \leq 2147483647$).

Output
Print "`int`", "`long long`" or "`double`" (without quotes) as described in the statement.

Examples

input	Copy
3 6 9	

output	Copy
int	

input	Copy
100000 200000 4	

output	Copy
long long	

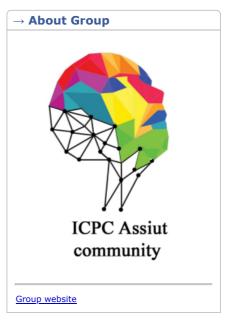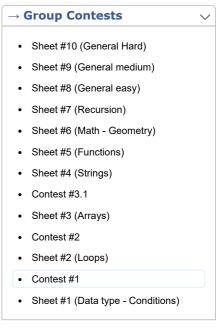### Note
double is when a number has a floating-point.

int Range: $[-2147483648, 2147483647]$.

long long can hold values of a bigger range than that of int.