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## Task 1. FRACTION

1 sec. 32 MB

Let $a$ and $b$ be positive integers. We present $a/b$ as a decimal fraction. It may be finite (e.g. $1/4 = 0.25$) or infinite (e.g. $1/3 = 0.3333...$). We consider each finite decimal fraction to be infinite, because we may write zeroes after the last digit (e.g. $1/4 = 0.25000...$).

Write a program **`frac`**, which given positive integers $a$, $b$, $k$, and $p$, finds $p$ consecutive digits in the decimal presentation of $a/b$, which are placed on positions starting with the $k$-th digit after the decimal point.

### *Input*

The only line on standard input contains the values of $a$, $b$, $k$ and $p$, separated by spaces.

### *Output*

On the only line of the standard output your program has to output the sequence of found digits without spaces (including all zeroes, if there are any).

### *Constraints*

- $0 < a < b < 30\ 000\ 000$
- $0 < k < 10^{18}$
- $0 < p < 40$

### *Example*

| Input | Output |
|---|---|
| 1 4 2 5 | 50000 |
| 1 7 3 10 | 2857142857 |