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## Separating in lines

P93424\_en

Examen extraordinari d'Informàtica, FME (2015-07-06)

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Given a natural number  $n$ , a base  $b$ , and a natural number  $q$ , print  $n$  in base  $b$ , but placing the digits of  $n$  in groups of  $q$  at every line.

### Input

Input consists of several cases, each with  $n > 0$ ,  $2 \leq b \leq 10$ , and  $q > 0$ .

### Output

For every case, print  $n$  in base  $b$ , but placing  $q$  digits at every line. If the number of digits of  $n$  in base  $b$  is not a multiple of  $q$ , the first line must be the shortest. Print a line with 10 dashes at the end of every case.

### Observation

You should not use vectors or alike to solve this problem.

### Sample input

```
12345 10 3
123456 10 3
1234567 10 3
12 10 3
14 2 1
1000000000 2 10
```

### Sample output

```
12
345
-----
123
456
-----
1
234
567
-----
12
-----
1
1
1
0
-----
1110111001
1010110010
1000000000
-----
```

### Problem information

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Generation : 2024-05-03 09:08:25

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