1195 - Basically Speaking

Description

The Really Neato Calculator Company, Inc. recently hired your team to help design your calculator Neato Super Model I. As a computer, you will suggest to the company that would be great if the new calculator could convert between various number bases. The company thinks this is a great idea and asks you to believe the prototype program for converting bases. The project manager has been informed of the features that the calculator should have: --- A 7-digit display. --- Bear number bases from 2 to 16. --- The buttons include capital letters from A through F in addition to the normal digits 0 to 9.

Input specification

The entry for your prototype program will consist of a conversion per line. There will be three numbers in each line. The first is the number to be converted, the second is the current base of the number and third is the base that have to convert. There will be one or more blank spaces around the numbers. There will be several lines at the entrance, and your program should continue reading until you reach the end of file.

Output specification

The output is composed only by the converted number and become exactly the same way they appear on the calculator screen. The number should be right justified in the 7-digit display. If the number is too large to appear on the screen, then you must print "ERROR" (Without the quotes) right justified on the screen. The symbols '-' are only for identation, you must print one whitespace instead of each of them.

Sample input

```
1111000 2 10
1111000 2 16
2102101 3 10
2102101 3 15
```

```
12312 4 2
1A 15 2
1234567 10 16
ABCD 16 15
```

Sample output

```
----120
-----78
---1765
----7CA
--ERROR
--11001
-12D687
---D071
```

Hint(s)

Source	ACM-ICPC - Mid-Central Programming Contest - 1995
Added by	**ejaltuna**
Addition date	2011-09-24 09:57:52.0
Time limit (ms)	1000
Test limit (ms)	1000
Memory limit (kb)	131072
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text