Problem 3 – Basic Mark-up Language

HTML is old and clumsy so a group of highly motivated Softuni students decided to create a new language for the web. It's basically the same in terms of clumsiness, but supports several revolutionary tags:

- **Inverse –** transforms its content's lowercase letters to uppercase and vice-versa.
  - <inverse content="**HelloWorlD**"/> outputs **hELLOwORLd**
- **Reverse –** reverses its content
  - **<**reverse content="**helloworld**"/> outputs **dlrowolleh**
- **Repeat –** repeats its content a specified amount of times
  - **<**repeat value="**2**" content="**helloworld**"/> outputs **helloworldhelloworld**
- **Stop –** <stop/> - marks the end of the **BML** file.

Your task is to write a program that correctly parses all currently supported BML tags and outputs the result to the console.

You should **not** output empty lines. For the content tag to be considered non-empty, it must contain **at least one character**.

Input

- Until the **stop** tag is reached you receive **one** basic mark-up language tag per line
- There are **no invalid** tags or attributes. There may be whitespace **anywhere** in the input

Output

- Print the correctly formatted output to the console according to the above described rules.
- Each line must have a number, starting from 1, in format "<number>. <output>"
- The <repeat/> tag outputs each string on a new line

Constraints

- There are no more than 15 lines of input
- The **content** length is in range [0 … 50]. It will not contain double quotes ' " '
- The **value** attribute is in range [0 … 10]
- Allowed time/memory: 100ms/16MB

Input	Output
<inverse content="HelloWorlD"/> <reverse content="helloworld"/> <reverse content="helloworld"/> <repeat value="2" content="helloworld"/> <stop/>	1. hELLOwORLd 2. dlrowolleh 3. dlrowolleh 4. helloworld 5. helloworld

Input	Output
<repeat value="2" content="12345"/> <repeat value="5" content="12346"/> <stop/>	1. 12345 2. 12345 3. 12346 4. 12346 5. 12346 6. 12346 7. 12346