# Archery Tournament

*Our hero Iskren is going to take part in an archery tournament. Your task is to help him calculate his points.*

On the **first line** you will receive integers separated by **"|"**, representing the targets in the archery field.  
On the next lines until you receive "**Game over**" command, you will receive commands by the Judge of the tournament:

* **"Shoot Left@{start index}@{length}":**
* Iskren starts traversing the archery field to the **left** from **{start index}** with given **{length}**.
* If he goes **out of the field**, he will continue from the **end of the field**.
* **"Shoot Right@{start index}@{length}":**
* Iskren starts traversing the archery field to the **right** from **{start index}** with given **{length}**.
* If he goes **out of the field**, he will continue from the **start of the field.**
* **"Reverse":**

**Reverse** the archery field.

* **"Game Over"**

**Print** the archery **field and collected points**.

When **he arrives at the target**, he will shoot at it and **increase his points by 5** and **decrease the target by 5 points**,

if the **target points are less than 5**, he takes **all of them and decreases it to 0**.

If the **start index is out of range** of the field Iskren will have to **ignore the command**.

## Input

* On the **first line**, you will receive integers **separated** by **"|"** representing the **targets in the archery field**.
* On the **next lines**, until the "**Game over**" command you will receive **commands** in the **format described** **above**.

## Output

* Print the field in following format: **"{target} - {target} - {target} ….. - {target}"**.

**"Iskren finished the archery tournament with {points}!"**

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 10|10|10|5|10 Shoot Left@0@2  Shoot Right@4@12  Shoot Right@6@5  Reverse  Game over | 5 - 5 - 10 - 10 - 10  Iskren finished the archery tournament with 10 points! |
| **Comments** | |
| First, Iskren receives the **"Shoot Left@0@2"** command, so he starts traversing the archery field from **index 0** with **length 2** and he stops at **index 3**. He shoots and the archery filed looks like this: 10 - 10 - 10 - 5 – 10 ,  and his points are 5.  Then he receives **"Shoot Right@4@5"** -> **"10 - 10 - 10 - 5 – 5"**  **"Shoot Right@6@5"** -> Index 6 is **out of range** of the field , so Iskren ignores the command.  **“Reverse”**-> After that command the field looks like this: 5 - 5 - 10 - 10 - 10 | |
|  | |
| 20|30|40|50|60 Shoot Left@0@12  Shoot Right@4@15  Shoot Left@6@5  Reverse  Game over | 55 - 45 - 40 - 30 - 20  Iskren finished the archery tournament with 10 points! |