# Tasks Planner



Create a program that helps you organize your daily tasks. First, you are going to **receive** **the hours each task takes** оn a **single line,** **separated** **by** **space**, in the following **format**:

**"{task1} {task2} {task3}… {taskn}"**

Each task takes **from 1 to 5 hours**.

If its time is **set to 0** – it is **completed**.

If its time is **set to a negative number** – the task is **dropped**.

Then you will start receiving **commands** until you read the "**End**" message. There are **six** possible commands:

* **"Complete {index}"**
  + Find **the task** on this **index** in your collection and complete it, if the **index** **exists**.
* "**Change {index} {time}**"
  + **Replace** the time needed of the **task** on the given index **with the time given,** if the **index** **exists**.
* "**Drop {index}"**
  + **Drop** the taskon the given **index, setting its hour to -1,** if the **index** **exists**.
* "**Count Completed"**
  + Print the number of **completed** tasks.
* "**Count Incomplete"**
  + Print the number of **incomplete** tasks (this **doesn’t** **include** the **dropped** tasks).
* "**Count Dropped"**
  + Print the number of **dropped** tasks (this **doesn’t** **include** the **incomplete** tasks).

In the end, print the **incomplete** **tasks** on a **single** **line,** separated by a **single** **space** in the following format:

**"{task1} {task2} {task3}… {taskn}"**

## Input

* On the **1st line** you are going to receive the **time of each task**, separated by a single space.
* On the next **lines**, until the **"End"** command is received, you will be receiving commands.

## Output

* Print the tasks in the **format** **described** **above**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1 -1 2 3 4 5 Complete 4 Change 0 4 Drop 3  Count Dropped End | 2 4 2 5 |
| **Comments** | |
| First, we receive the command "**Complete 4**" and we to complete the task on index 4. After this command, the task collection looks like this:  **1 -1 2 3 0 5**  Afterwards, we receive the "**Change 0 4**" command and we need to change the time of the task on index 0. The collection looks like this now:  **4 -1 2 3 0 5**  After, we receive the "**Drop 3**" command, which means we need to drop the task on index 3. The collection looks like this:  **4 -1 2 -1 0 5**  Then, we receive the "**Count Dropped**" command. The result is 2 as we have only 2 dropped tasks.  In the end, we print all of the **incomplete** tasks. This is the result collection:  **4 2 5** | |
|  | |
| 1 2 3 4 5 4 0 3 2 1 Complete 0 Complete 1 Complete 2 Drop 3 Change 4 1  Count Completed End | 4 1 4 3 2 1 |