**Problem : Online Communities - Even Groups**

In a social network, online communities refer to the group of people with an interest towards the same topic. People connect with each other in a social network. A connection between Person **I** and Person **J** is represented as **C I J**. When two persons belonging to different communities connect, the net effect is merger of both communities which I and J belonged to.  
  
We are only interested in finding out the communities with the member count being an even number. Your task is to find out those communities.

**Input Format:**  
  
Input will consist of three parts, viz.  
  
1. The total number of people on the social network **(N)**  
2.Queries

* **C I J**, connect I and J
* **Q 0 0**, print the number of communities with even member-count

-1 will represent end of input.

**Output Format:**  
  
For each query Q, output the number of communities with even member-count

**Constraints:**

**1<=N<=10^6**

**1<=I, J<=N**

[**Sample Input and Output**](https://www.blogger.com/null)

|  |  |  |
| --- | --- | --- |
| **SNo.** | **Input** | **Output** |
| 1 | 5 Q 0 0 C 1 2 Q 0 0 C 2 3 Q 0 0 C 4 5 Q 0 0 -1 | 0 1 0 1 |