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| **Popular Rice Recipe**    Problem code: TIDRICE | * [SUBMIT](https://www.codechef.com/submit/TIDRICE) * [MY SUBMISSIONS](https://www.codechef.com/status/TIDRICE,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/TIDRICE) |

**All submissions for this problem are available.**

Did you know that there are over 40,000 varieties of Rice in the world ? There are so many dishes that can be prepared with Rice too. A famous chef from Mumbai, Tid Gusto prepared a new dish and named it 'Tid Rice'. He posted the recipe in his newly designed blog for community voting, where a user can plus (+) or minus (-) the recipe. The final score is just the sum of all votes, where (+) and (-) are treated as +1 and -1 respectively. But, being just a chef ( and not a codechef ) he forgot to take care of multiple votes by the same user.

A user might have voted multiple times and Tid is worried that the final score shown is not the correct one. Luckily, he found the user logs, which had all the **N** votes in the order they arrived. Remember that, if a user votes more than once, the user's previous vote is first nullified before the latest vote is counted ( see explanation for more clarity ). Given these records in order ( and being a codechef yourself :) ), calculate the correct final score.

**Input**

First line contains T ( number of testcases, around 20 ). T cases follow. Each test case starts with N ( total number of votes, 1 <= N <= 100 ). Each of the next N lines is of the form "userid vote" ( quotes for clarity only ), where userid is a non-empty string of lower-case alphabets ( 'a' - 'z' ) not more than 20 in length and vote is either a + or - . See the sample cases below, for more clarity.

**Output**

For each test case, output the correct final score in a new line

**Example**

**Input:**

3

4

tilak +

tilak +

tilak -

tilak +

3

ratna +

shashi -

ratna -

3

bhavani -

bhavani +

bhavani -

**Output:**

1

-2

-1

**Explanation**

Case 1 : Initially score = 0. Updation of scores in the order of user tilak's votes is as follows,

( + ): +1 is added to the final score. This is the 1st vote by this user, so no previous vote to nullify. score = 1

( + ): 0 should be added ( -1 to nullify previous (+) vote, +1 to count the current (+) vote ). score = 1

( - ) : -2 should be added ( -1 to nullify previous (+) vote, -1 to count the current (-) vote ). score = -1

( + ): +2 should be added ( +1 to nullify previous (-) vote, +1 to count the current (+) vote ). score = 1

<https://www.codechef.com/problems/TIDRICE>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

int n = int.Parse(Console.ReadLine());

List<string> votos = new List<string>();

for (int i = 0; i < n; i++)

{

votos.Add(Console.ReadLine());

}

var diccio = new Dictionary<string, string>();

foreach (string elem in votos)

{

diccio[elem.Split(' ')[0]] = elem.Split(' ')[1];

}

int answer = 0;

foreach (KeyValuePair<string, string> kvp in diccio)

{

if (kvp.Value == "+")

{

answer++;

}

else

{

answer--;

}

}

Console.WriteLine(answer);

}

Console.ReadLine();

}

}

}