# Programming for Beginners – 24 April 2016

## Problem 2. Game of Names

Write a program to **calculate points** **for all players** and **find who the winner is**. You will be given **the count of the players**, **their names** and **initial scores**. **Score** for every player **depends on his name**. To the **player score** **add** or **subtract** the **ASCII code** **of** **each letter**. If **ASCII code** is **even** **add** it to the score. If is **odd** – **subtract** it from the score. Find **the one with highest score** and print his name and score on the console. If **two or more players** are with **same points** – **the winner is the first one**.

### Input

On the **first input line** you will be given **number N -** **the count of players**.

On the **next 2\*N lines** you will be given player name and his initial score.

### Output

**The output** should be printed on the console and consist **the name of the winner** and **his score** in the following format:

“The winner is {name} - {points} points”

### Constraints

* **N – the count of players** will be a **positive integer** in the range **[1...100]**
* **Names** will be **strings** with **length between 3 and 30**
* **The score** **for each player** will be a **integer** in the range **[-100,000...100,000]**

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 3  Bojidar  123  Preslav  123  Pesho  123 | The winner is Preslav - 230 points  4  Petromirov  123  Preslav  123  Pesho  123  Asen  4  Svetlio  999 | B(66)o(111)j(106)i(105)d(100)a(97)r(114) Initial points 123 scores  123 +66 -111 +106 -105 +100 -97 +114 = 196  P(80)r(114)e(101)s(115)l(108)a(97)v(118)  Initial points 123 scores  123 +80 -114 -101 -115 +108 -97 +118 = 230  P(80)e(101)s(115)h(104)o(111)  Initial points 123 scores  123 +80 -101 -115 +104 -111 = -20  Preslav(230) > Bojidar(196) > Pesho(-20) |