Exam "Fundamentals of programming with C#" – 27 May 2018

Problem 4. Coder Showoff

1. History

Coders, like people, like to show off. They are really competitive and always measure their... intellect. Apart from intellect they also like to compete in strength and endurance. You have organized a competition to test their qualities and your job is to report the result of that event.

2. Description

You will receive an integer N, indicating how many players showed up to the competition. For each player you will receive information about him in the format:

Name|Stamina|Strength|Intellect|Rank|Guild

You need to take into account all contestants and find out

- Who is the most enduring – the person with highest stamina
- Who is the weakest – the person with the least strength
- Who is the wisest – the person with the highest intellect
- The total endurance of all contestants
- The total strength of all contestants
- The total intellect of all contestants

If any of the stats is **0 or less** you must **ignore** that person and not take him into account. If **two or more players** have the same stamina or intellect choose the first that shows up. If **two or more** players have the same strength choose the last one.

There will always be at least one valid coder.
The first coder will always be valid.

Input

1. **N** – integer [1 … 100]
2. On the next **N** lines you will receive information about people in the format described above.
    - **Name** will be a string that can contain any symbol aside from |
    - **Stamina** will be a valid integer between **[-2^31 … 2^31 - 1]**
    - **Strength** will be a valid integer between **[-2^31 … 2^31 - 1]**
    - **Intellect** will be a valid integer between **[-2^31 … 2^31 - 1]**
    - **Rank** will be a single letter [A – Z]
    - **Guild** will be a string that can contain any symbol aside from |

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Output

You must print the following six strings, **each on a new line**:

"Most endurable player is: {Name} with rank {Rank} from guild {Guild}"

"Weakest player is: {Name} with rank {Rank} from guild {Guild}"

"Wisest player is: {Name} with rank {Rank} from guild {Guild}"

"Total Endurance {Endurance}"

"Total Strength {Strength}"

"Total Intellect {Intellect}"

Examples

Input	Output	Description

5
Ivan|5|10|15|C|Light
Niki|8|13|22|D|Darkness
Gosho|2|11|8|A|Specular
Arthas|10|4|4|G|Numbness
Illadin|10|2|6|F|Pinetree
	```Most endurable player is: Arthas with rank G from guild Numbness```
	```Weakest player is: Illadin with rank F from guild Pinetree```
	```Wisest player is: Niki with rank D from guild Darkness```
	```Total Endurance 35```
	```Total Strength 40```
	```Total Intellect 55```
		Arthas and Illadin both have 10 endurance, however Arthas was first so we choose him. Illadin has the lowest strength so we choose him as weakest.
		Niki has the highest intellect, so we choose him as the wisest.
		
		For the total stats we simply add all the participant's stats. So
		5+8+2+10+10 = 35 for Endurance
		10+13+11+4+2 = 40 for Strength
		15+22+8+4+6 = 55 for Intellect

Input	Output	Description

1
ForeverAlone|1|1|1|F|Succ
	```Most endurable player is: ForeverAlone with rank F from guild Succ```
	```Weakest player is: ForeverAlone with rank F from guild Succ```
	```Wisest player is: ForeverAlone with rank F from guild Succ```
	```Total Endurance 1```
	```Total Strength 1```
	```Total Intellect 1```
		We have only one player so we choose him for everything.