# Problem 2 - Registration



Create a program that **checks** if **registrations** are **valid**. The registration consists of a **username** and a **password.** On the **first** line, you will **receive** a **number** that **indicates** how **many** **inputs** you will **receive** on the **following** lines**.**

A registration is **valid** when:

* The username is surrounded by **"U$"**
* The username needs to be a **minimum of 3** characters long, **start** with an **uppercase** letter, **followed** **only** by **lowercase** letters
* The password is surrounded by **"P@$"**
* The password needs to start with **minimum 5** alphabetical letters **(not including digits)** and must end with **one** or **more digits**

**Example for a valid registration:**

**"U$MichaelU$P@$asdqwe123P@$"**

You must **check** if the **registration** is **valid** and if it **is** printed:

**"Registration was successful"**

**"Username: {Username}, Password: {Password}"**

If it **isn't** - **print** the following **message**:

**"Invalid username or password"**

In the end, print the count of successful registrations:

**"Successful registrations: {successfulRegistrationsCount}"**

### Input

* On the **first** line - **n** - the count of inputs.
* On the **next** **n** lines - **input** that you must **check** if it has a **valid** **registration**.

### Output

* Print all results from each input, each on a new line.
* In the end, print the count of successful registrations.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| 3  U$MichaelU$P@$asdqwe123P@$  U$NameU$P@$PasswordP@$  U$UserU$P@$ad2P@$ | Registration was successful  Username: Michael, Password: asdqwe123  Invalid username or password  Invalid username or password  Successful registrations: 1 | We have 3 input lines to check. The first one follows the rules and is valid. The second one doesn't because the password doesn't end with a digit. The third one is not valid because the password is too short. |
| 2  U$TommyU$P@$asdqwe123P@$  Sara 1232412 | Registration was successful  Username: Tommy, Password: asdqwe123  Invalid username or password  Successful registrations: 1 |  |
| 3 U$myU$-->P@$asdqwe123P@$ Sara 1232412 U$NameU$P@$Pass234P@$ | Invalid username or password Invalid username or password Invalid username or password Successful registrations: 0 |  |

### JS Examples

The input will be provided as an array of strings.

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| (["3",  "U$MichaelU$P@$asdqwe123P@$",  "U$NameU$P@$PasswordP@$",  "U$UserU$P@$ad2P@$"]) | Registration was successful  Username: Michael, Password: asdqwe123  Invalid username or password  Invalid username or password  Successful registrations: 1 | We have 3 input lines to check. The first one follows the rules and is valid. The second one doesn't because the password doesn't end with a digit. The third one is not valid because the password is too short. |
| (["2",  "U$TommyU$P@$asdqwe123P@$",  "Sara 1232412"]) | Registration was successful  Username: Tommy, Password: asdqwe123  Invalid username or password  Successful registrations: 1 |  |
| (["3", "U$myU$-->P@$asdqwe123P@$", "Sara 1232412", "U$NameU$P@$Pass234P@$"]) | Invalid username or password Invalid username or password Invalid username or password Successful registrations: 0 |  |