# Animal Sanctuary

*You work in an animal sanctuary and every day you receive encrypted information about the animals that need help.*

Create a program that decrypts messages about animals, their kind and the country they are in. You will be given a number **n** – the number of **lines**, which you will receive. Afterwards on the next **n lines**, you will receive the **messages**. You are looking for:

* **animalName** 
  + contains **any ASCII character except for ";”**
* **animalKind** 
  + contains **any ASCII character except for “;”**
* **animalCountry** 
  + contains **only letters and spaces**

A **valid** message is in the following **format**: **"n:{animalName};t:{animalKind};c--{animalCountry}"**

The **output names, kinds** and **countries** of the animals should contain **only letters** and **white spaces. For example:**"**K@o$5a#la Be^4a5r**" is a **valid** match, but we need to print only – "**Koala Bear**". After each **valid message**, you should print a line in the format:

"**{animalName} is a {animalKind} from {country}"**

You need to knowthe **total weight** of **all** the **animals.** The weight of **each** **animal alone** is **calculated** by the **sum** of **every digit** in the **name** andthe **kind** of **the animal**. In the end print a line in the following **format** with the following **message**:

**"Total weight of all animals is {weight}KG"**.

## Input / Constraints

* First line will be a number **n** in range [1…100].
* The next **n** lines will be **strings**.

## Output

* Print each **valid** message in the format described above.
* Print the **total weight** of **all animals**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 3  n:M5%ar4#le@y;t:B3#e!!a2#2r;c--Australia  n:G3e%6org34e;t:C€$at2%;c--Africa  n:AlicE:Won;c-India | Marley is a Bear from Australia  George is a Cat from Africa  Total weight of animals: 34KG |
| **Comments** | |
| The first two lines are valid matches and the third is not, because it is not in the right format. We take the digits in the names and kinds of the two valid matches - M**5**%ar**4**#le@y, B**3**#e!!a**2**#**2**r, G**3**e%**6**or**34**ge, C€$at**2**% - 5 + 4 + 3 + 2 + 2 + 3 + 6 + 3 + 4 + 2 = 34. After each of the valid lines, we print the appropriate message. In the end we print the total weight of all animals, which is 34. | |
|  | |
| 4  n:Bo^%4b35454bie#$;t:Ele5ph#$34a%nt;c--Africa  n:Honey;t:Ti^^5ger;c--India  bla;t:1234a;c--America  n:A#$@545n;t:Cat241$@#23;cGermany | Bobbie is a Elephant from Africa  Honey is a Tiger from India  Total weight of animals: 42KG |