Input

- The **possible** commands are:
  - **"vehicle$_1$>>vehicle$_2$>>vehicle$_3$…"**
  - **"family"**
  - **"heavyDuty"**
  - **"sports"**

Output

- The **possible** outputs are:
  - **"Invalid car type."**
  - **"A {car type} car will pay {total tax to pay} euros in taxes."**
  - **"The National Revenue Agency will collect {total tax collected} euros in taxes."**

Examples

Input	Output
family 3 7210>>van 4 2345>>heavyDuty 9 31000>>sports 4 7410	A family car will pay 59.00 euros in taxes. Invalid car type. A heavyDuty car will pay 50.00 euros in taxes. A sports car will pay 118.00 euros in taxes. The National Revenue Agency will collect 227.00 euros in taxes.
Comment	
We start looping through the array, the first car is a **family** car, which should pay taxes for **3 years** in use and has **traveled 7210 km**. The taxes are calculate as follows: `7210 / 3000 * 12 + (50 - 3 * 5)` = **59.00 euros** The **family** car must pay **59.00 euros** in taxes. The next car is a **van**, which is an **invalid car type**. Next, we have **heavyDuty** car, with **9 years** in use, and **has traveled** 31000 km. The tax which **heavyDuty** car should pay is **50.00 euros**. On the last iteration, we have a **sports** car that is **4 years** in use and **has traveled** 7410 km. The tax which the **sports** car should pay is **118.00 euros**. At the end the National Revenue Agency collected 59.00 + 50.00 + 118.00 = **227.00 euros** in taxes.	

Input	Output
family 5 3210>>pickUp 1 1345>>heavyDuty 7 21000>>sports 5 9410>>family 3 9012	A family car will pay 37.00 euros in taxes. Invalid car type. A heavyDuty car will pay 52.00 euros in taxes. A sports car will pay 127.00 euros in taxes.

	A family car will pay 71.00 euros in taxes. The National Revenue Agency will collect 287.00 euros in taxes.

JS Examples

The input will be an array with a **string**.

Input	Output
(['family 3 7210>>van 4 2345>>heavyDuty 9 31000>>sports 4 7410'])	A family car will pay 59.00 euros in taxes. Invalid car type. A heavyDuty car will pay 50.00 euros in taxes. A sports car will pay 118.00 euros in taxes. The National Revenue Agency will collect 227.00 euros in taxes.

Comments

We start looping through the array, the first car is a **`family`** car, which should pay taxes for **3 years** in use and has **traveled 7210 km**.

The taxes are calculate as follows: `7210 / 3000 * 12 + (50 - 3 * 5)` = **`59.00 euros`**

The **`family`** car must pay **59.00 euros** in taxes.

The next car is a **van**, which is an **invalid car type**.

Next, we have **heavyDuty** car, with **9 years** in use, and **has traveled** 31000 km. The tax which **heavyDuty** car should pay is **50.00 euros**.

On the last iteration, we have a **`sports`** car that is **4 years** in use and **has traveled** 7410 km. The tax which the **`sports`** car should pay is **118.00 euros**.

At the end the National Revenue Agency collected 59.00 + 50.00 + 118.00 = **227.00 euros** in taxes.

Input	Output
(['family 5 3210>>pickUp 1 1345>>heavyDuty 7 21000>>sports 5 9410>>family 3 9012'])	A family car will pay 37.00 euros in taxes. Invalid car type. A heavyDuty car will pay 52.00 euros in taxes. A sports car will pay 127.00 euros in taxes. A family car will pay 71.00 euros in taxes. The National Revenue Agency will collect 287.00 euros in taxes.