## 5.Card Game

You are given a sequence of people and for every person what cards he draws from the deck. The input will be an **array of strings**. Each string will be in the format:

**{personName}: {PT, PT, PT,… PT}**

Where **P** (2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, K, A) is the power of the card and **T** (S, H, D, C) is the type. The name can contain any ASCII symbol except **':'**. The input will always be valid and in the format described, there is no need to check it.

A single person **cannot have more than one** card with the same power and type, if he draws such a card he discards it. The people are playing with **multiple decks**. Each card has a value that is calculated by the power multiplied by the type. Powers **2 to 10** have the same value and **J to A** are **11 to 14**. Types are mapped to multipliers the following way (**S -> 4, H-> 3, D -> 2, C -> 1**).

Finally print out the total value each player has in his hand in the format:

**{personName}: {value}**

### Examples

|  |  |
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| **Input** | **Output** |
| [  'Peter: 2C, 4H, 9H, AS, QS',  'Tomas: 3H, 10S, JC, KD, 5S, 10S',  'Andrea: QH, QC, QS, QD',  'Tomas: 6H, 7S, KC, KD, 5S, 10C',  'Andrea: QH, QC, JS, JD, JC',  'Peter: JD, JD, JD, JD, JD, JD'  ] | Peter: 167  Tomas: 175  Andrea: 197 |
| [  'John: 2C, 4H, 9H, AS, QS',  'Slav: 3H, 10S, JC, KD, 5S, 10S',  'Alex: 6H, 7S, KC, KD, 5S, 10C',  'Thomas: QH, QC, JS, JD, JC',  'Slav: 6H, 7S, KC, KD, 5S, 10C',  'Thomas: QH, QC, JS, JD, JC',  'Alex: 6H, 7S, KC, KD, 5S, 10C',  'Thomas: QH, QC, JS, JD, JC',  'John: JD, JD, JD, JD'  ] | John: 167  Slav: 175  Alex: 115  Thomas: 125 |