# Problem 1 – Hand Score

Nakov is keen card player and he is now learning a new game. The game uses a **standard deck of 52 cards**. The card faces are: **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**, **10**, **J**, **Q**, **K** and **A**. The cards suits are denoted by the letters **S** (spades), **H** (hearts), **D** (diamonds) and **C** (clubs). The player is given a hand of cards and he needs to **count their sum**. Card **values** are the following:

* 2 -> 2,
* 3 -> 3,
* 4 -> 4,
* 5 -> 5,
* 6 -> 6,
* 7 -> 7,
* 8 -> 8,
* 9 -> 9,
* 10 -> 10,
* J -> 12,
* Q -> 13,
* K -> 14,
* A -> 15

When two or more card of same suits are **come sequentially**, their sums are multiply, by the count of sequence. For example, the hand "**2C 3C 5C AS 10H JH 2S KD**" has value (2 + 3 + 5) \* 3 + 15 + (10 + 12) \* 2 + 2 + 14 = **105**.

### Input

The input comes from the console as a **single line, holding the hand of cards**. Cards are separated by a space. The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

Print at the console a single number: **hand score**.

### Constraints

* The **count** the cards will be in the range [1…52].
* **Card faces** will beone of the following values: [**2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**, **10**, **J**, **Q**, **K**, **A**].
* **Card suits** will beone of the following values: [**S**, **H**, **D**, **C**].
* Time limit: 0.3 sec. Memory limit: 16 MB.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2C 2H 2D AS 10H 10C 2S KD | 57 |
| AS KS 10S | 117 |
| 2S 2C 2D 2H | 8 |
| AS 10C KS KH KD 9H JH QS 3H QD QH 8S 10D 10S 7C JD | 198 |