# Problem 4 – Straight Flush

Nakov loves to play [poker](http://en.wikipedia.org/wiki/List_of_poker_hands), but unfortunately, he does not know when he has a strong hand. One of the strongest hands in poker is **Straight Flush**: a sequence of 5 consecutive cards of the same suit. The poker game uses a **standard deck of 52 cards**. The card faces in increasing order 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).

Help Nakov to make some money for food! Write the program that check if his hand holds one or more Straight Flushes.

For example, the hand "**9D, 2S, 10D, AD, 10H, JD, QD, KD**" contains two Straight Flushes: **[9D, 10D, JD, QD, KD], [10D, JD, QD, KD, AD]**.

*Note:* The A can be only after K, not before 2.

### Input

The input comes from the console as a **single line, holding the hand of cards**, separated by comma and space between each two cards. The input cards are **unique** (there are **no duplicates**). The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

* If there are Straight Flushes – print them, each at a new line in format **[card1, card2, card3, card4, card5]**. The **ordering** of the output lines is not significant (the Straight Flushes can be ordered in arbitrary way).
* If no Straight Flushes exist among the given cards, print a message “**No Straight Flushes**”.

### Constraints

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

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 9D, 2S, 10D, AD, 10H, JD, QD, KD | [9D, 10D, JD, QD, KD]  [10D, JD, QD, KD, AD] |
| AS, KH, 10C | No Straight Flushes |
| 2S, 2C, 2D, 2H, AS, KH, 10C | No Straight Flushes |
| 5H, AS, 10C, 8H, KS, KH, KD, 9H, JH, QS, 3H, QD, 4H, QH, 8S, 10D, 6H, 10S, 10H, 7C, JD, JS, 2H, 7S, 7D | [8H, 9H, 10H, JH, QH]  [9H, 10H, JH, QH, KH]  [10S, JS, QS, KS, AS]  [2H, 3H, 4H, 5H, 6H] |