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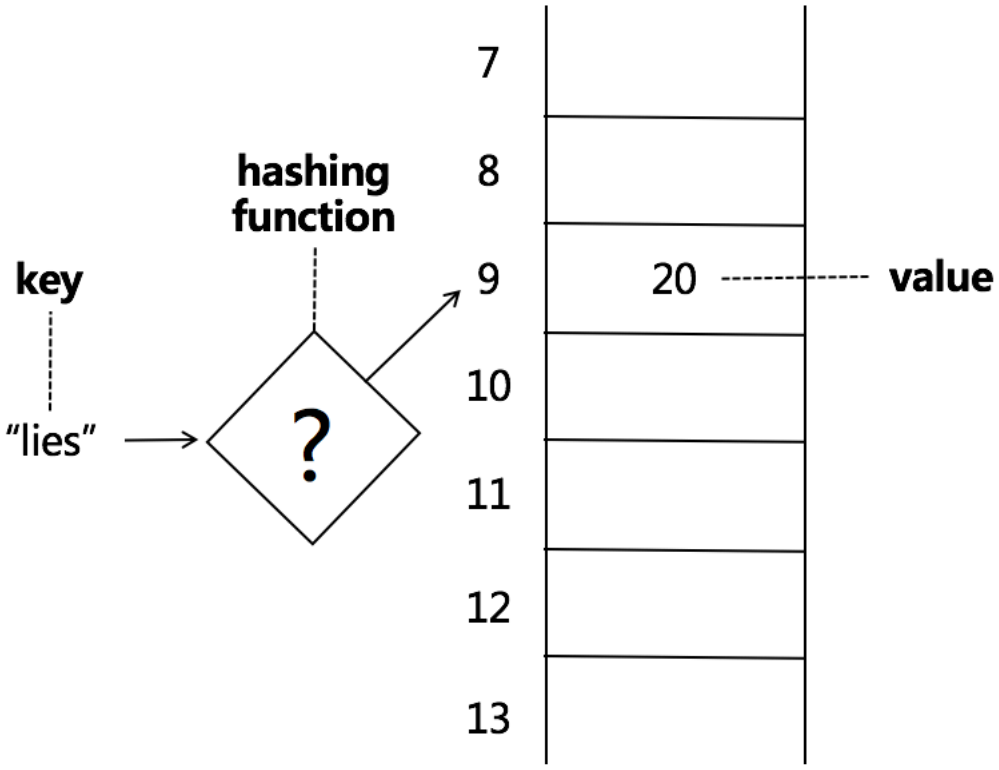
# 哈希表(HashTable) & 集合(Set)

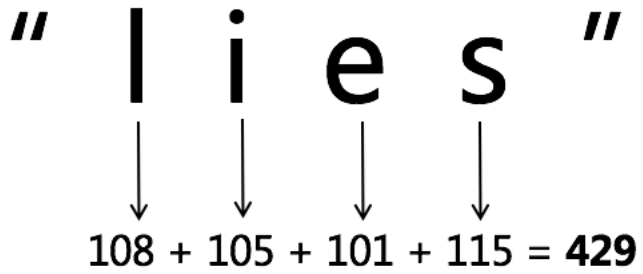
# 本节内容

1. Hash Function

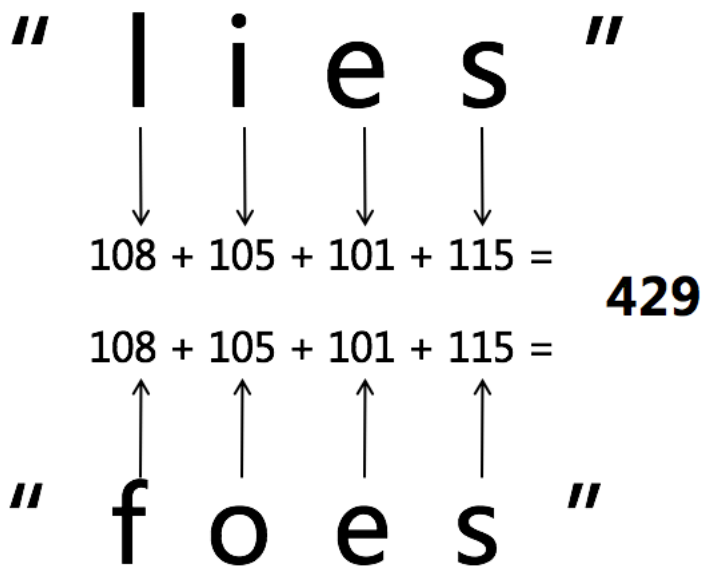
2. Hash Collisions

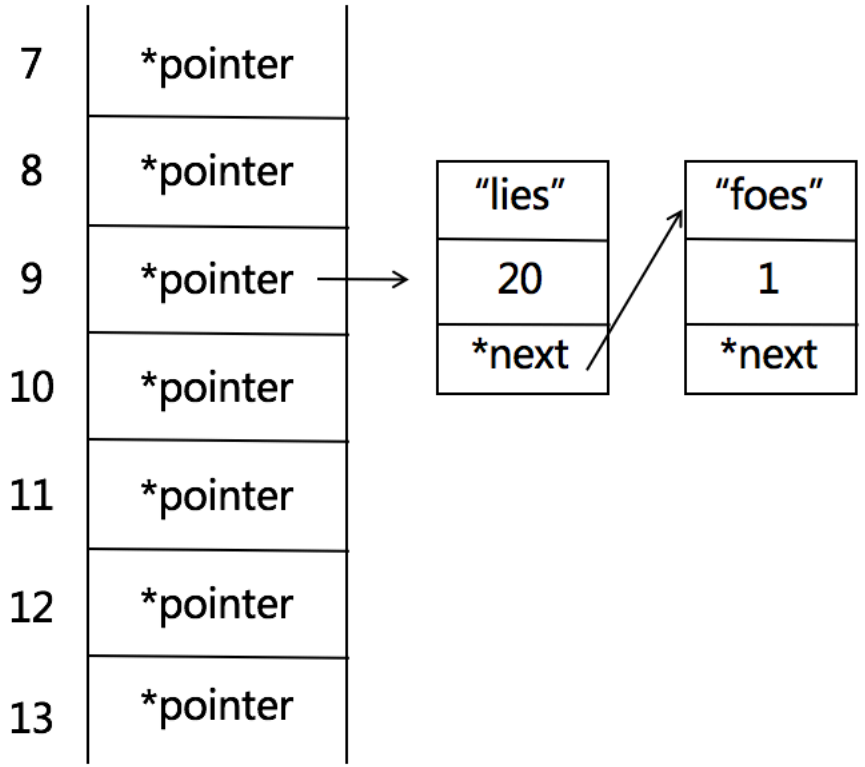
# Hash Function



# Hash Collisions



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# HashMap best practices

**Python**

dict

hashmap = {key: value}

**C++**

std::unordered_map

std::map

**Java**

HashMap

TreeMap

**C#**

Dictionary<TKey,TValue>

Hashtable

StringDictionary

SortedDictionary

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# HashSet best practices

**Python**

hashset = {value1, value2}

**C++**

std::unordered_set

std::set

**Java**

HashSet

TreeSet

**C#**

HashSet

SortedSet

# 实战题目

1. https://leetcode.com/problems/valid-anagram/description/
2. https://leetcode.com/problems/two-sum/description/
3. https://leetcode.com/problems/3sum/description/
4. https://leetcode.com/problems/4sum/
5. https://leetcode.com/problems/group-anagrams/description/