哈希表(HashTable) & 集合(Set)
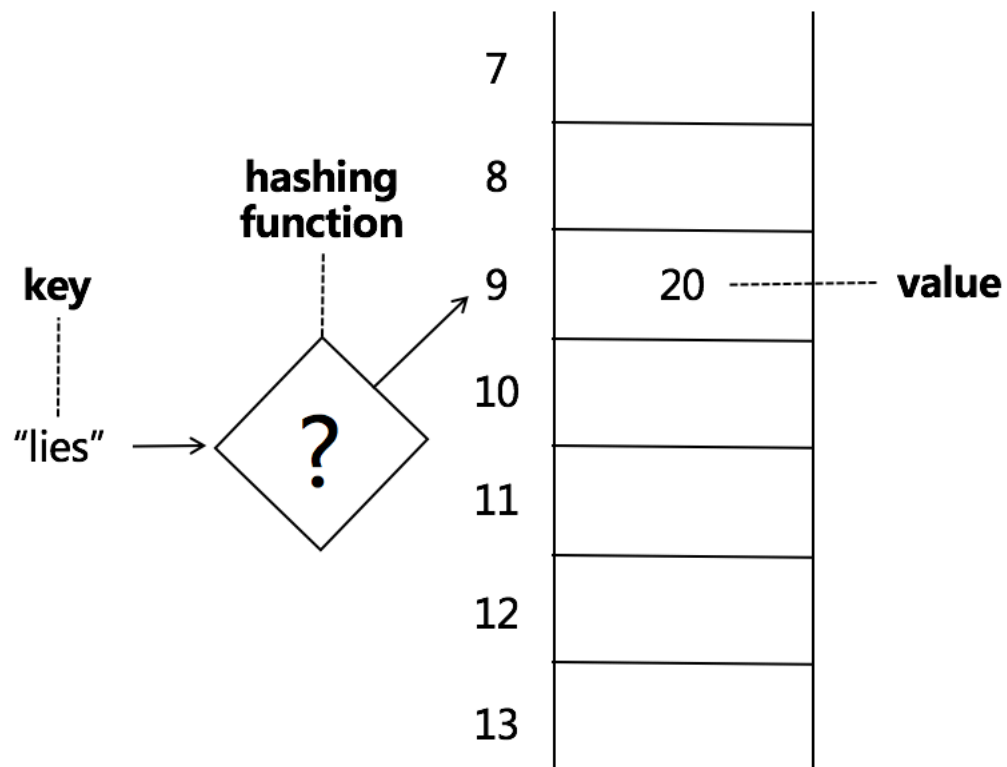
扫码了解极客时间《算法面试通关40讲》视频课程

本节内容

1. Hash Function

2. Hash Collisions

Hash Function
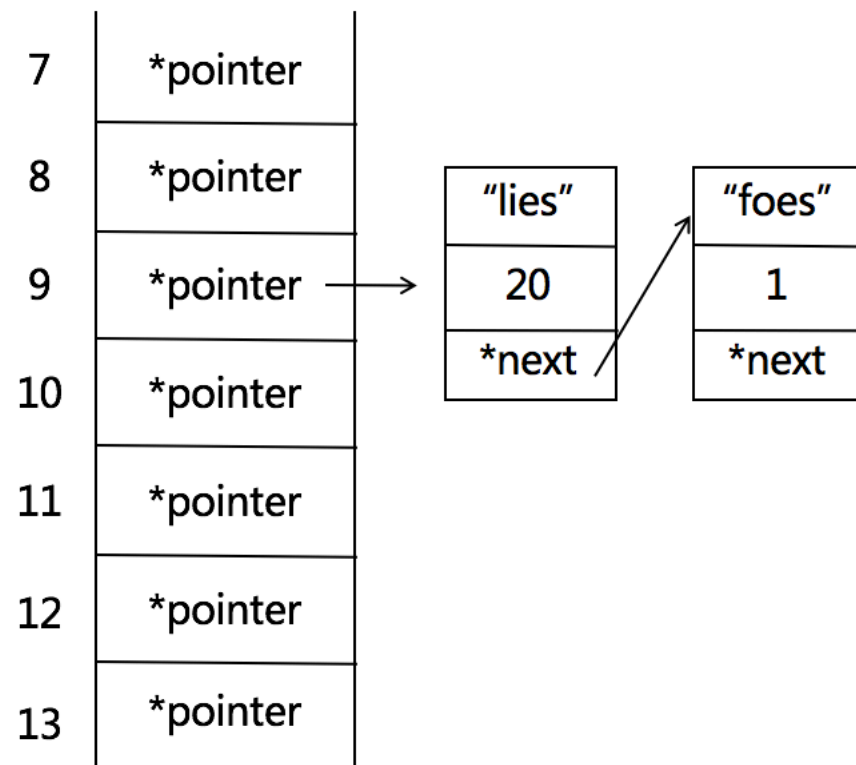
Hash Collisions

" l i e s "

108 + 105 + 101 + 115 = **429**

108 + 105 + 101 + 115 =

" f o e s "

7	*pointer
8	*pointer
9	*pointer
10	*pointer
11	*pointer
12	*pointer
13	*pointer

"lies"
20
*next

"foes"
1
*next

HashMap best practices

Python

dict

hashmap = {key: value}

Java

HashMap

TreeMap

C++

std::unordered_map

std::map

C#

Dictionary<TKey,TValue>

Hashtable

StringDictionary

SortedDictionary

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/

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