词典

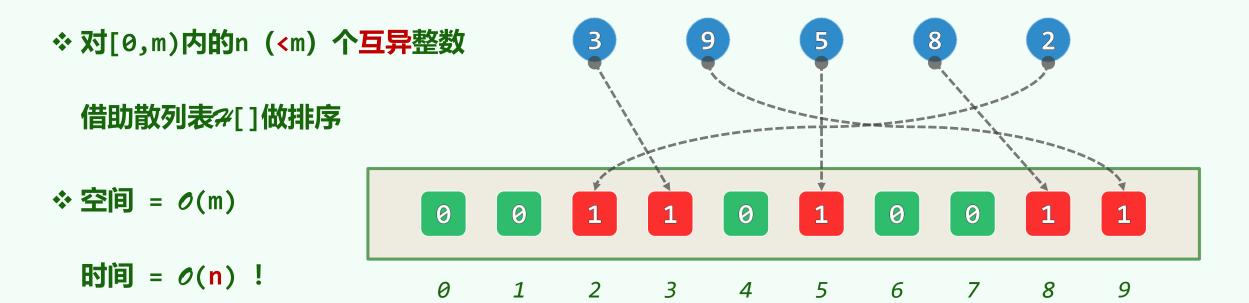
桶排序: 算法

邓俊辉

deng@tsinghua.edu.cn

Don't put all your eggs in one basket.

简单情况



d initialization: for i = 0 to m - 1, let $\mathcal{P}[i] = 0 //0(m) --> 0(1)$

distribution: for each key in the input, let $\mathcal{A}[\text{key}] = 1 //o(n)$

enumeration: for $i = \emptyset$ to m - 1, output i if $\mathcal{H}[i] = 1 // \mathcal{O}(m) --> \mathcal{O}(n)$

一般情况

* 若允许重复

(可能m << n)

- * 依然使用散列表
 - 每一组同义词
 - 各成一个链表
- ❖空间 = Ø(m + n)

时间 = O(n)!

