

# 状态机模型与语言解释器

胡船长

初航我带你,远航靠自己

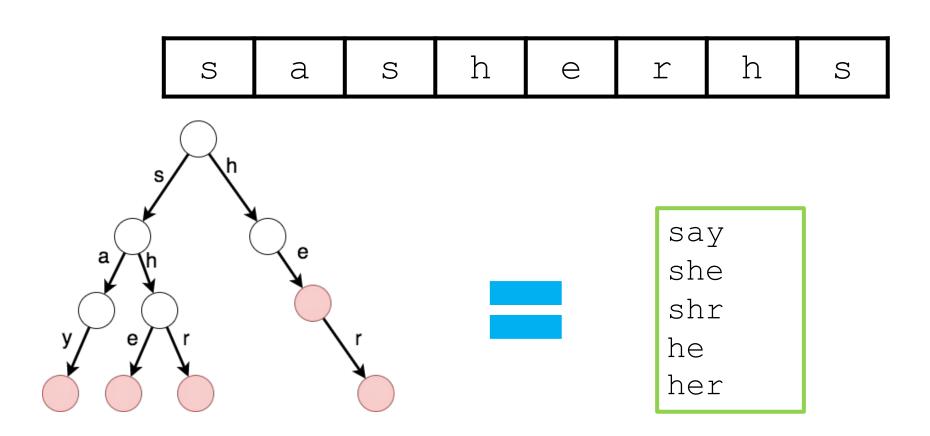


#### 从字典树到 AC自动机

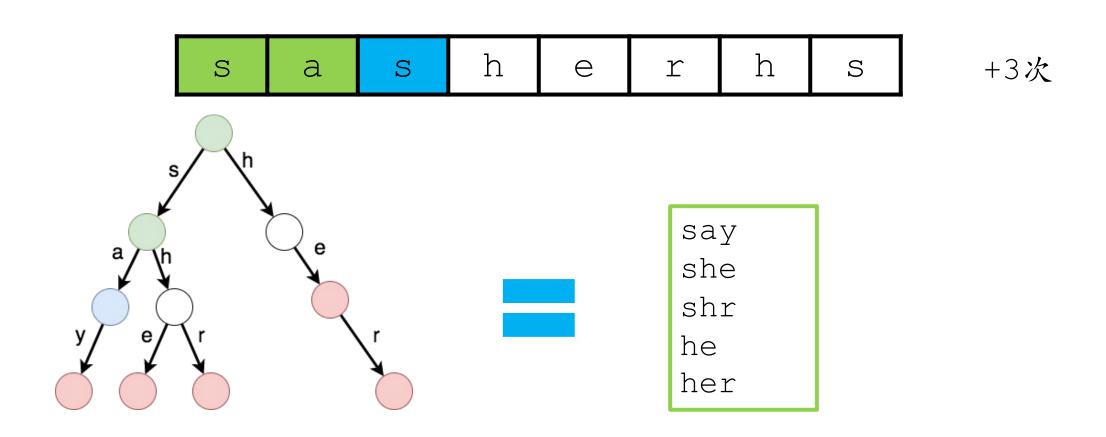
大约用时: (10 mins)

下一部分: AC自动机的优化

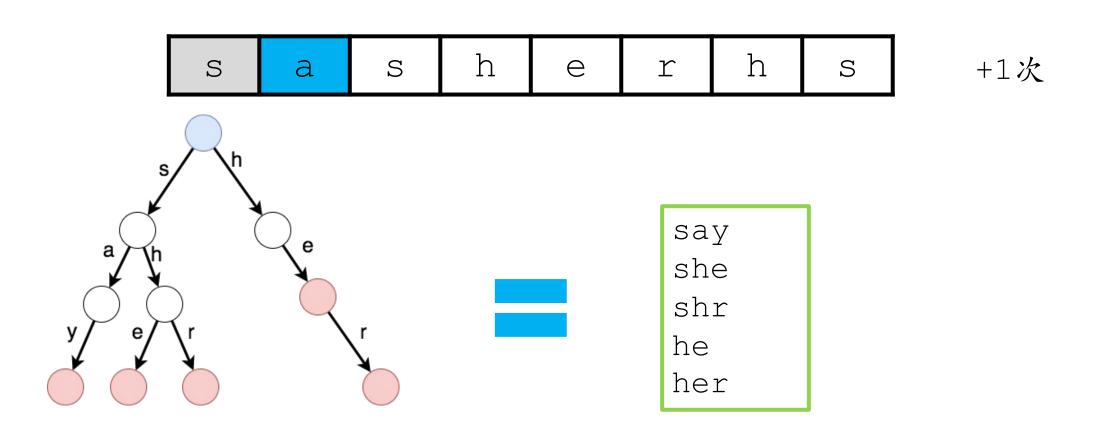




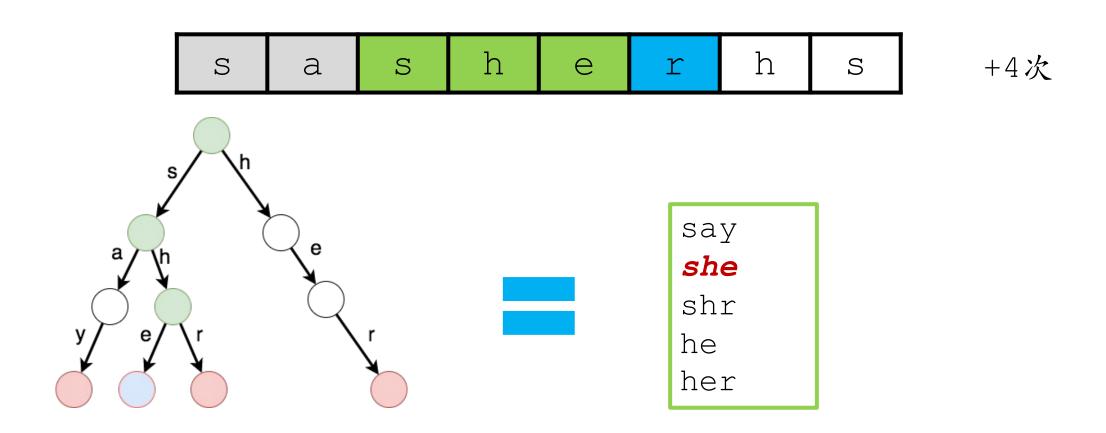




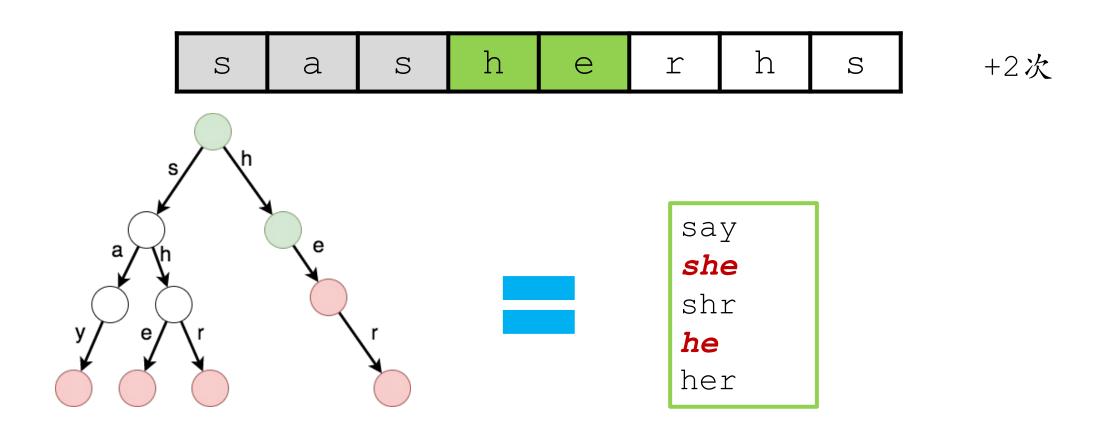




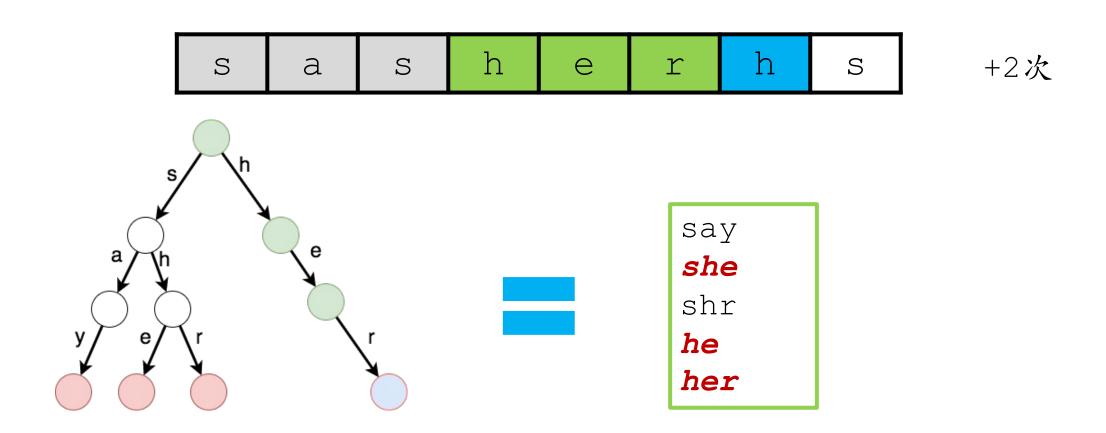




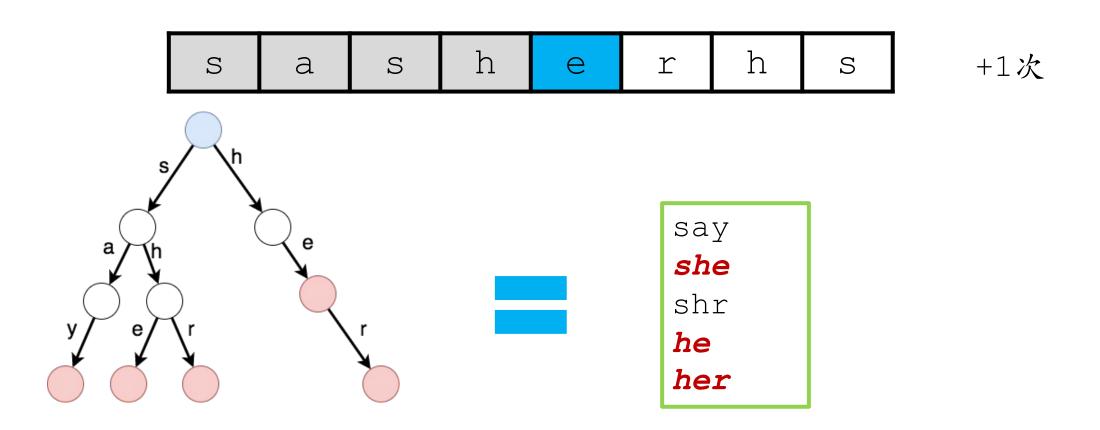




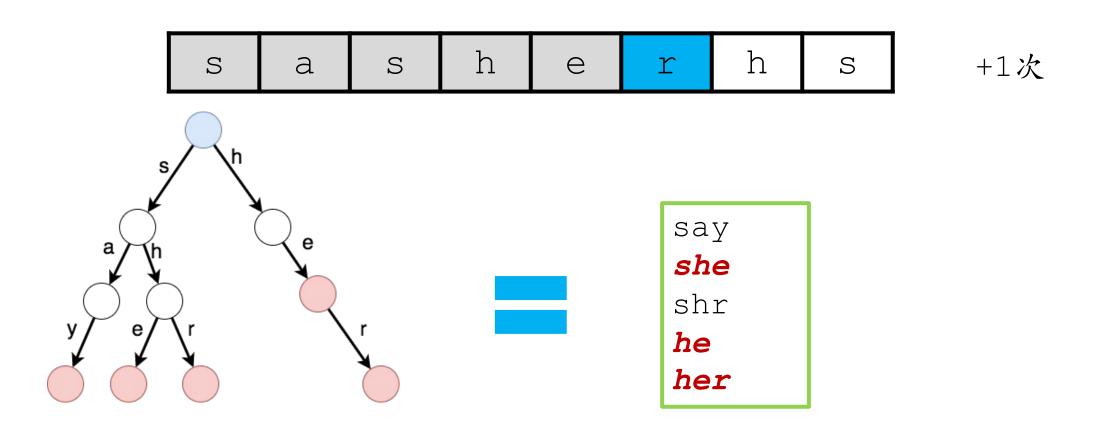




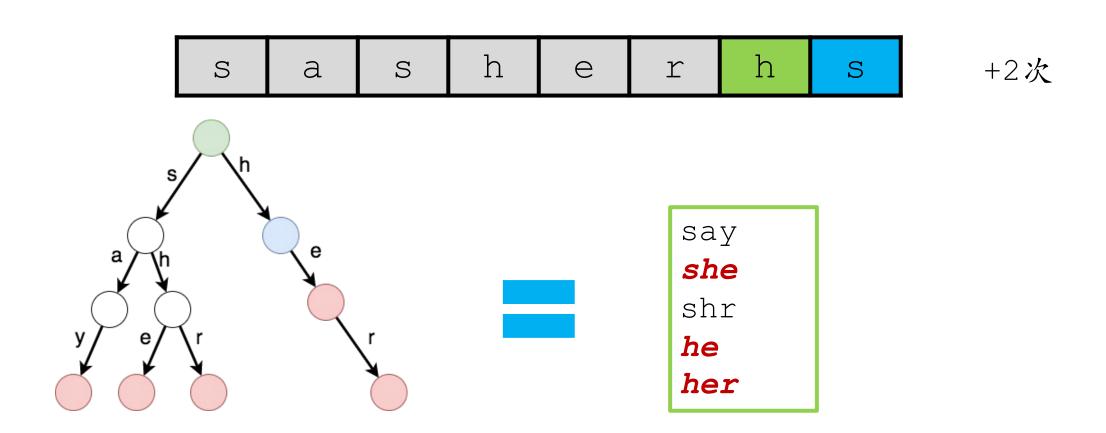




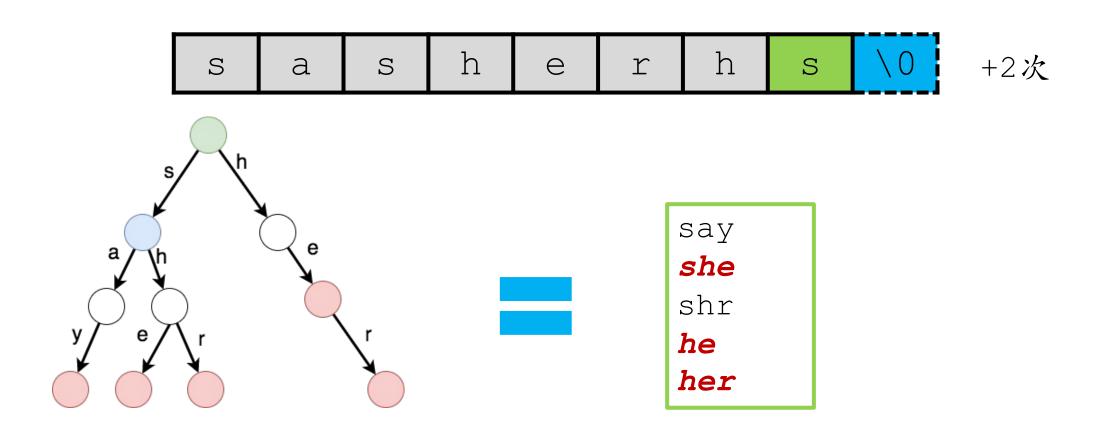




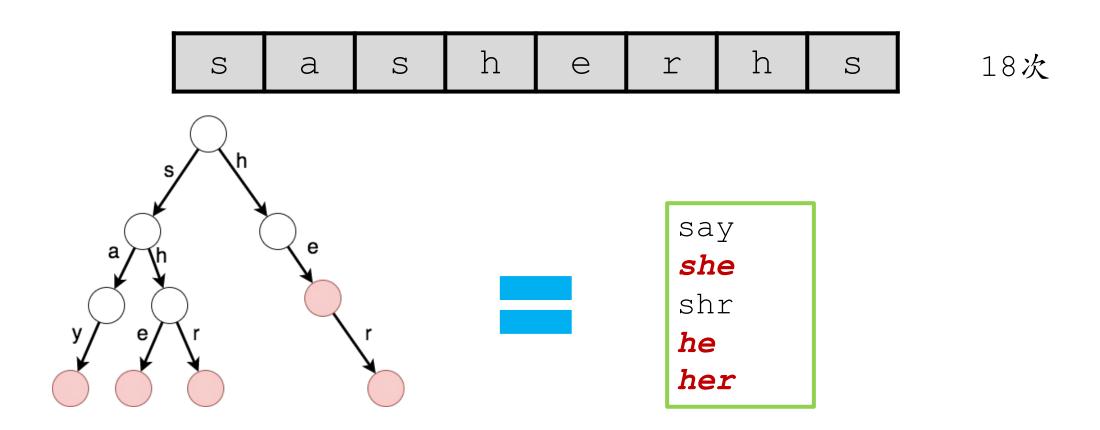






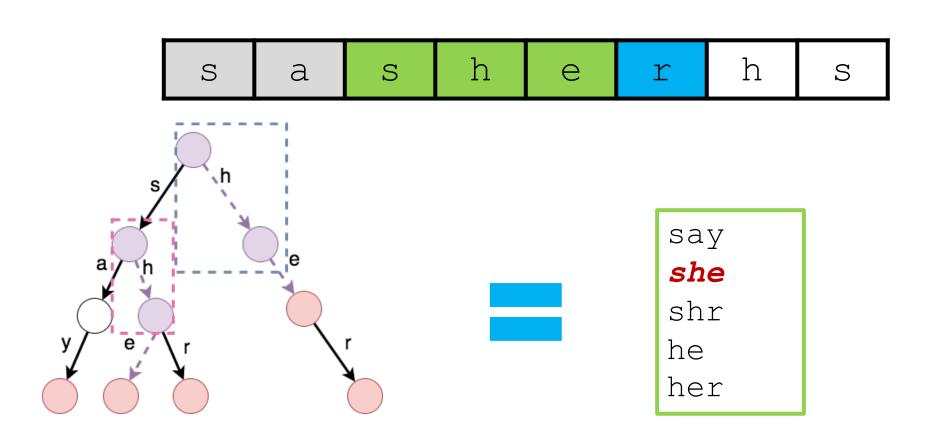






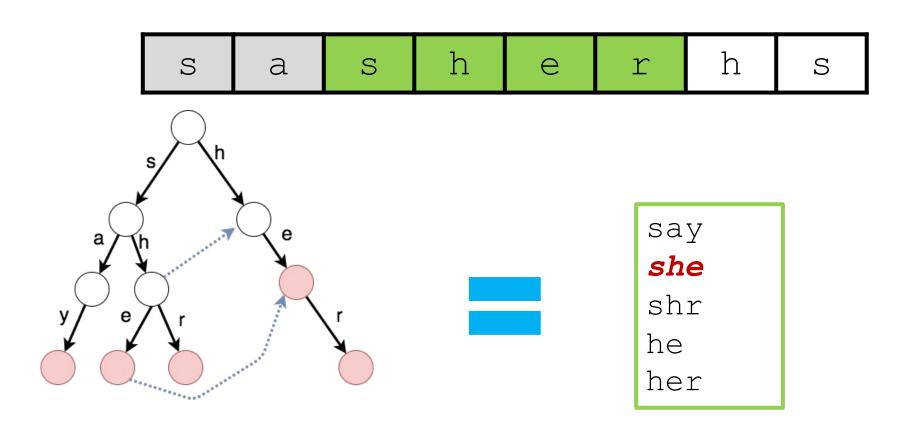
## TRIE 树匹配--问题





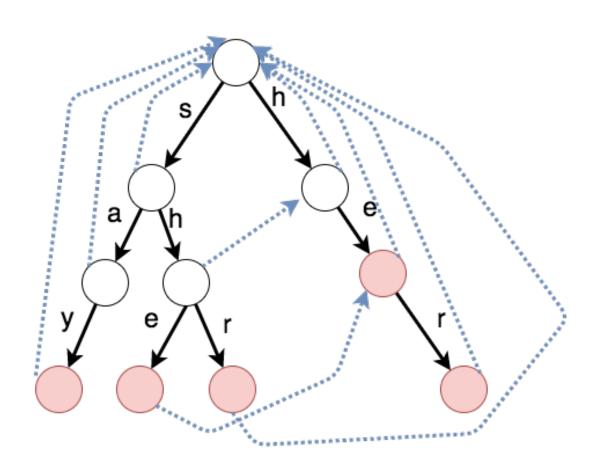
# AC 自动机



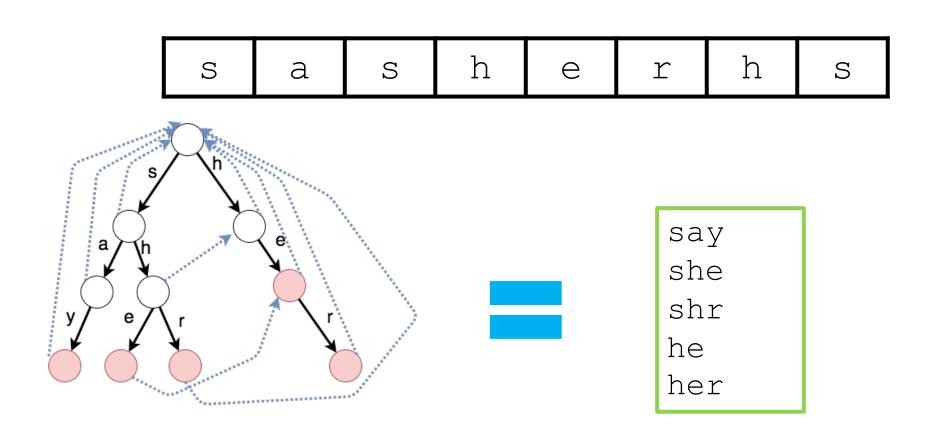


# AC 自动机

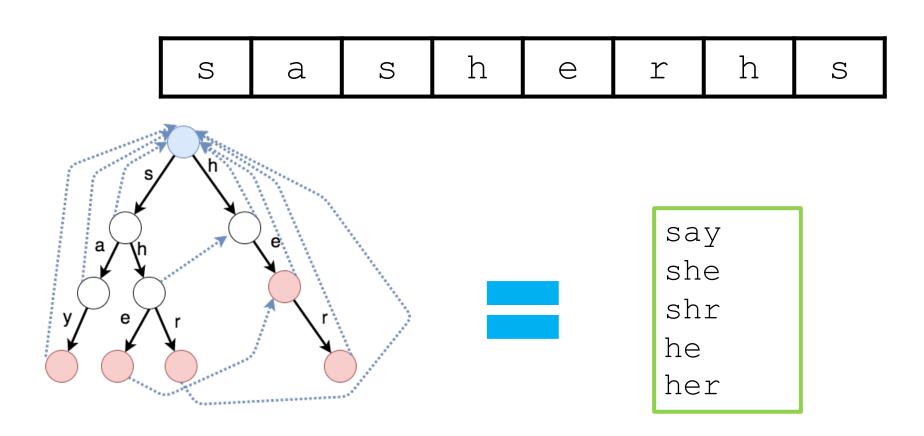




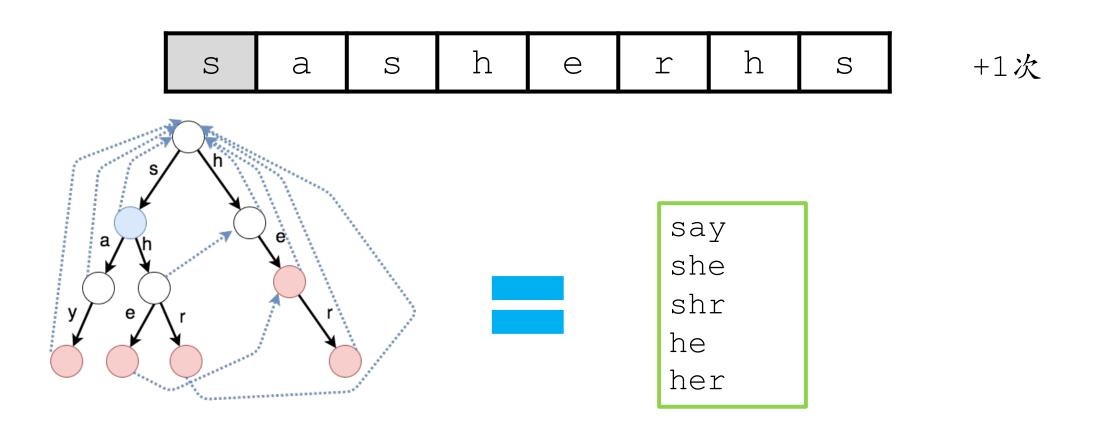




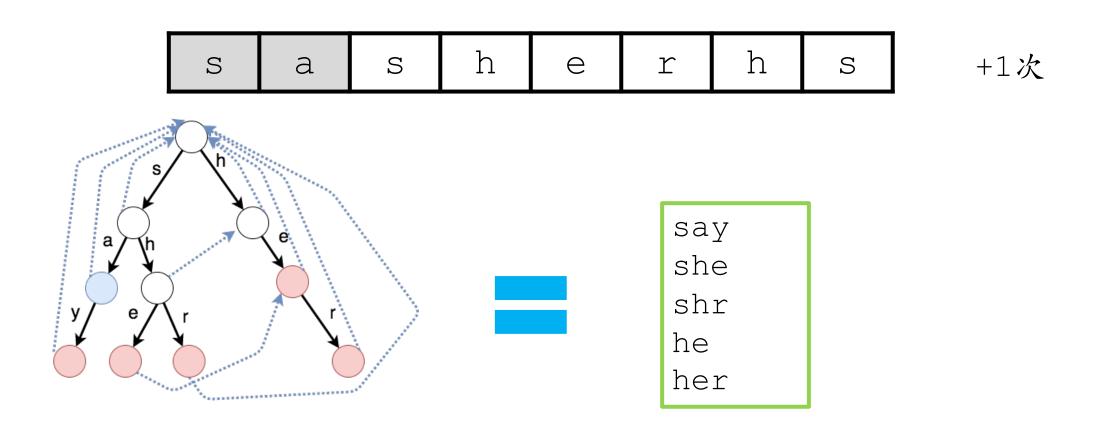




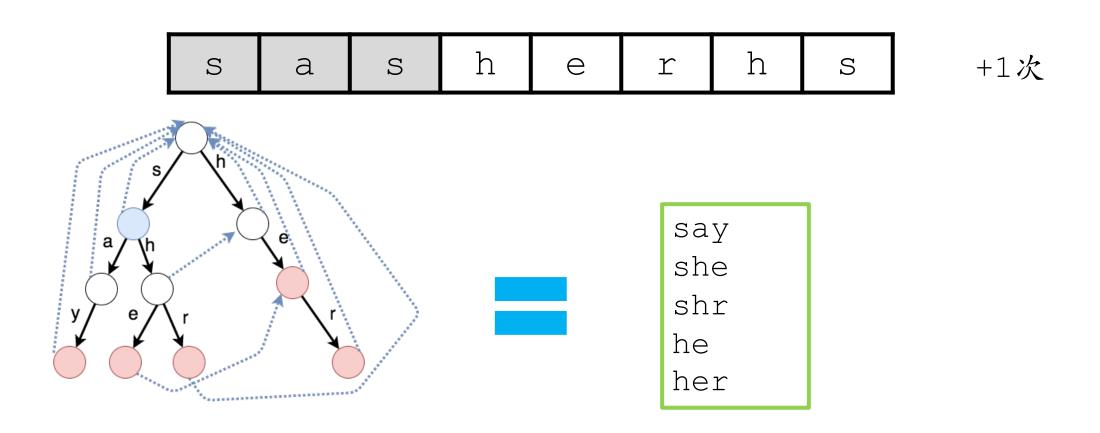




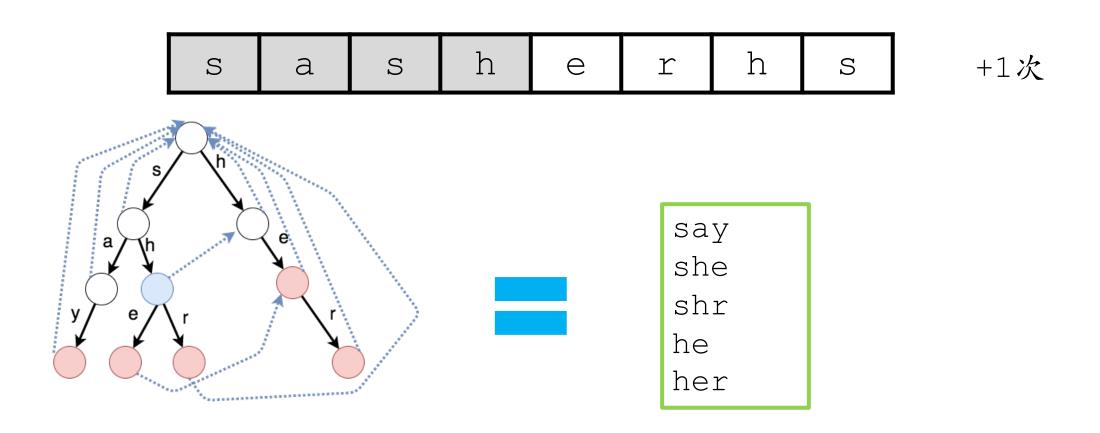




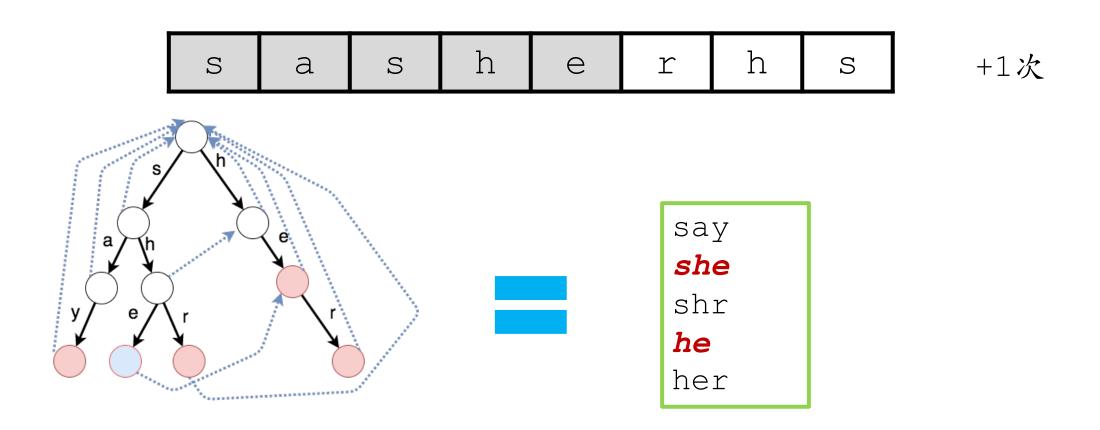




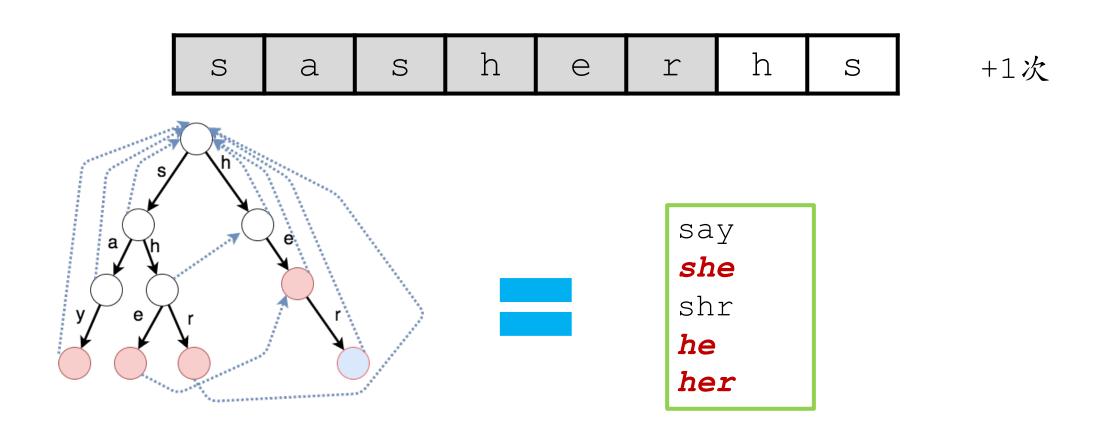




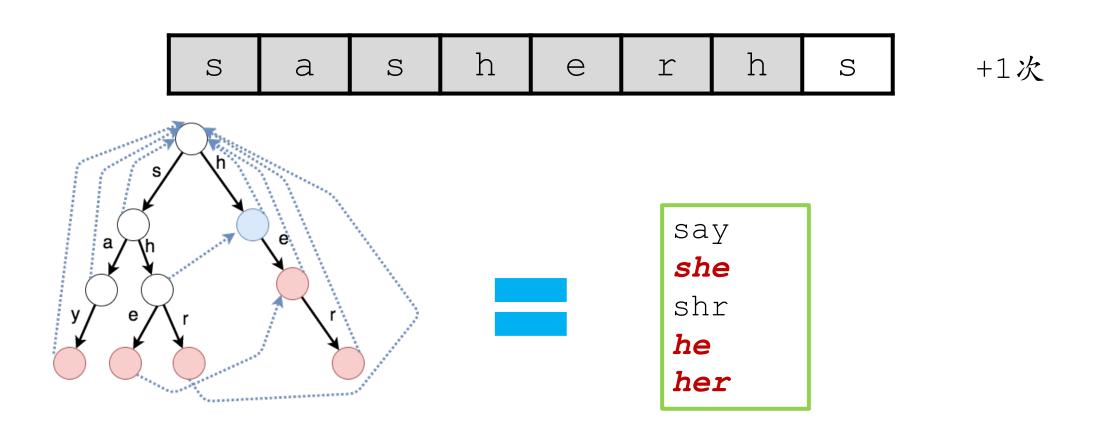




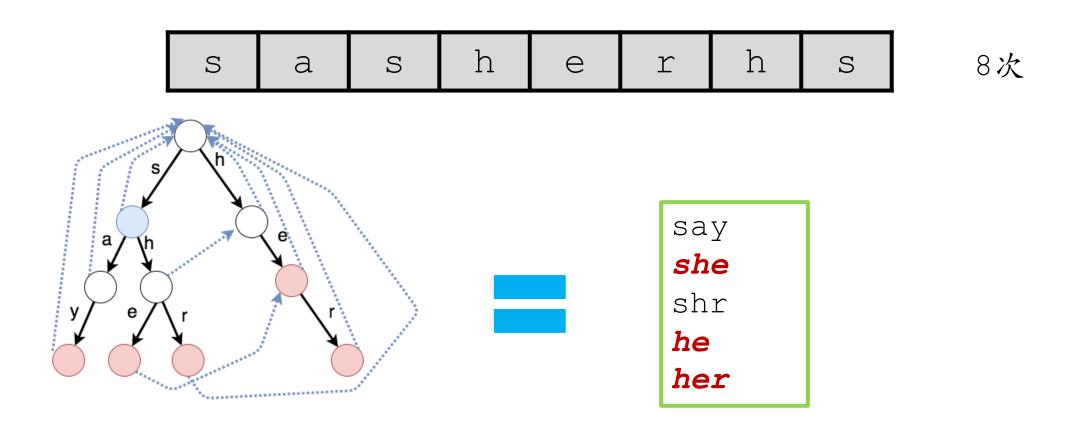














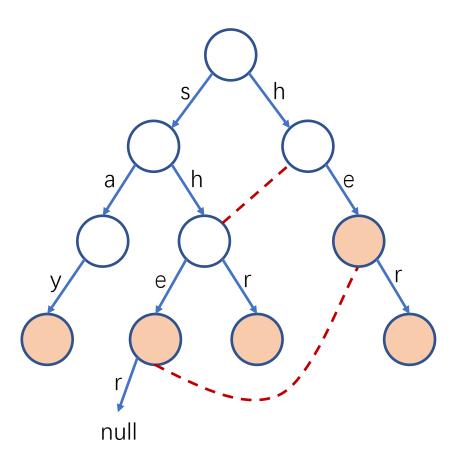
## AC自动机的优化

大约用时: (10 mins)

下一部分: 实战演练

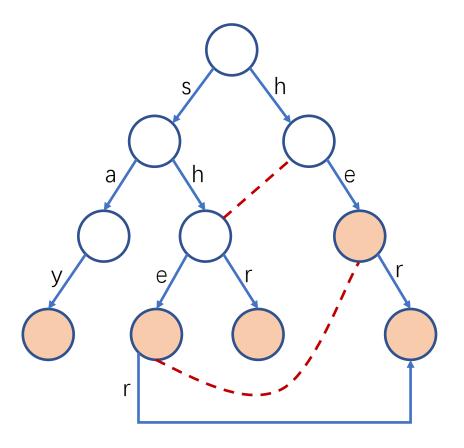
# AC自动机的优化





# AC自动机的优化







#### 实战演练

大约用时: (10 mins)

下一部分: NFA 与 DFA 的定义

#### 实战演练



P3808 【模板】AC 自动机(简单版)

P3796 【模板】AC 自动机 (加强版)

https://www.luogu.com.cn/problem/P3808 https://www.luogu.com.cn/problem/P3796



#### NFA 与 DFA 的定义

大约用时: (10 mins)

下一部分: 经典面试题刷题专项环节

#### NFA 与 DFA 的定义



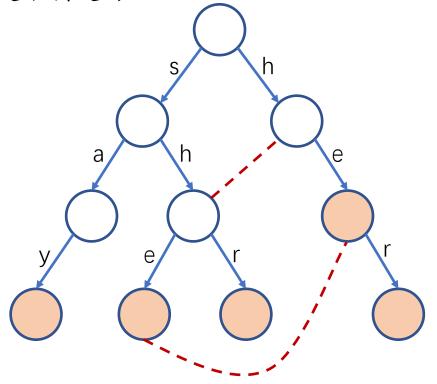
DFA: Deterministic Finite State 确定的有穷自动机

NFA (Non-Deeterministic Finite State Automata) 不确定的有穷自动机:对一个输入符号,有两种或两种以上可能的状态,所以是不确定的

#### NFA、DFA 与 AC自动机



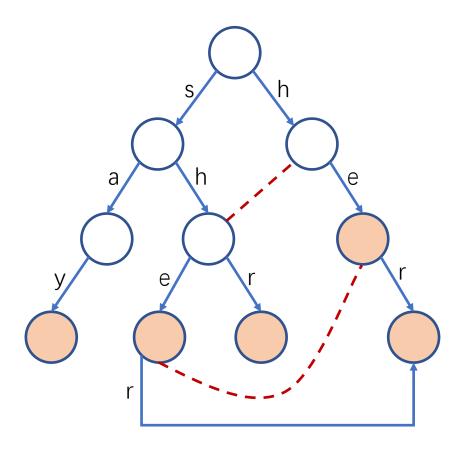
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#### NFA、DFA 与 AC自动机



DFA: Deterministic Finite State 确定的有穷自动机





#### 经典面试题刷题专项环节

大约用时: (120 mins)

下一部分: 大家晚安

#### 问题板书





# 每天都想干翻这个世界到头来,被世界干的服服帖帖

大家晚安