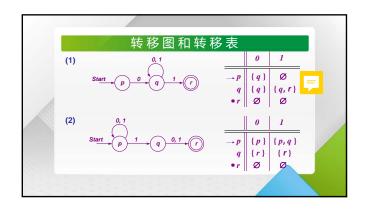
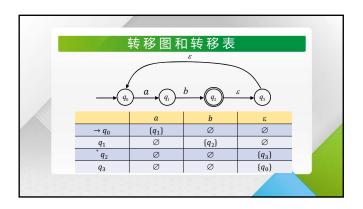
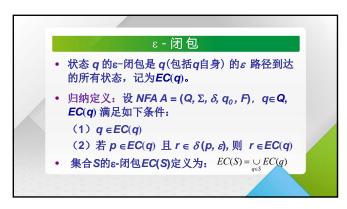


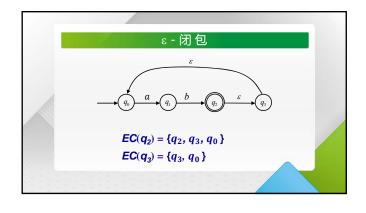


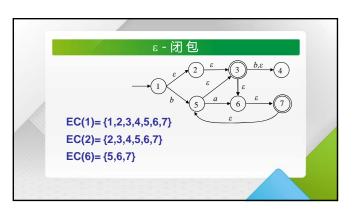
	NFA 的 定 义	
	非确定有限自动机是五元组 $A = (Q, \Sigma \cup \{\varepsilon\}, \delta, q_o, F)$	
	有限状态集 —————————	
	输入符号集 ————————————————————————————————————	
	转移函数	
	开始状态	
	终态集合	
	$q_0 \in \mathbb{Q}$ 与 DFA 有三处不同 $\delta: \mathbb{Q} \times \Sigma \cup \{\varepsilon\} \to 2^{\mathbb{Q}}$	





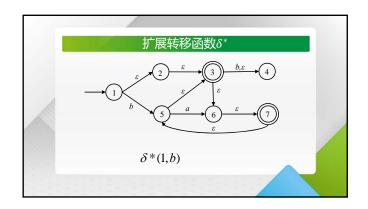


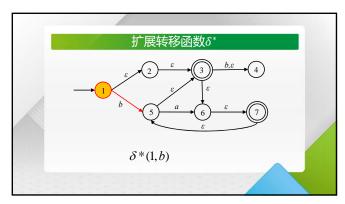


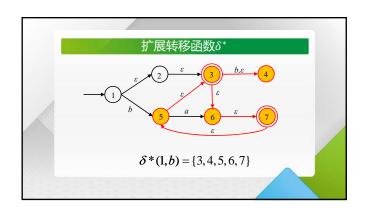


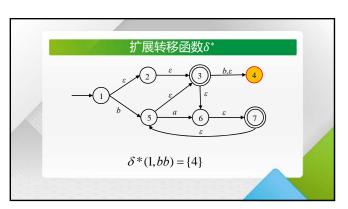


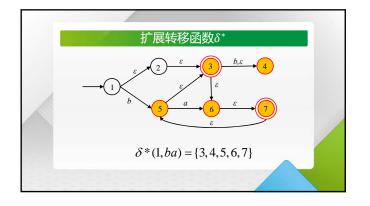


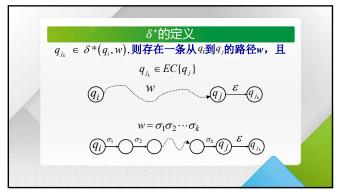


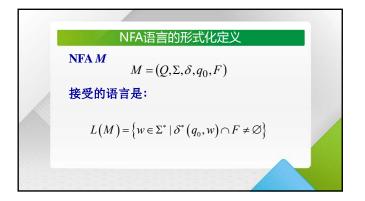




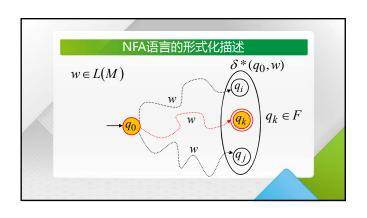


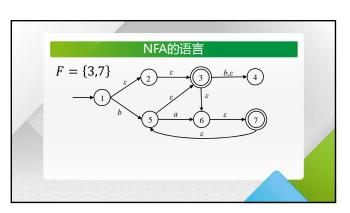


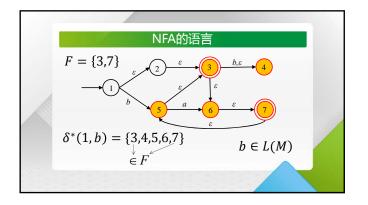


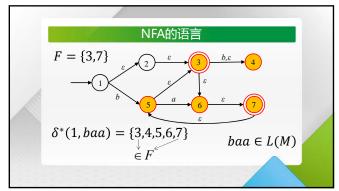


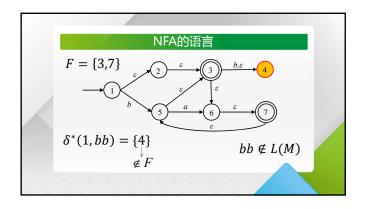


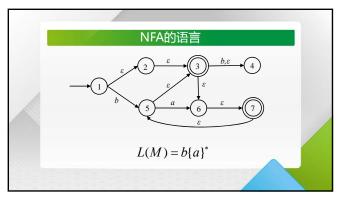




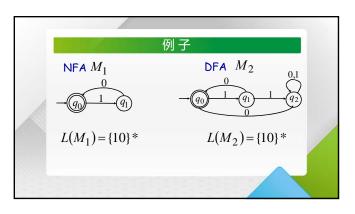


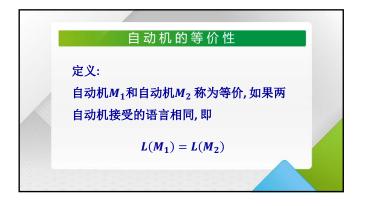


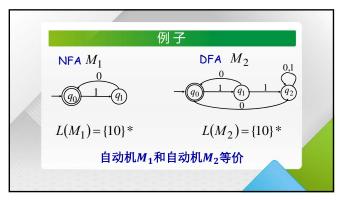








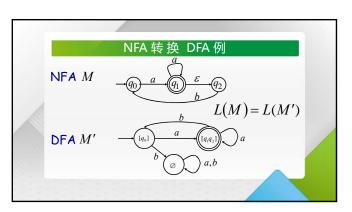




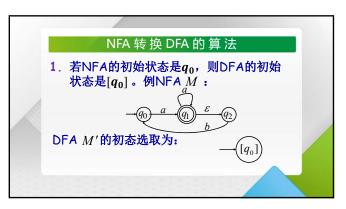




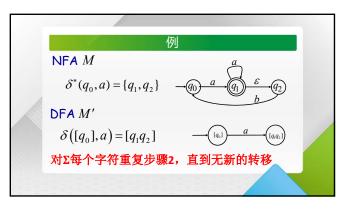


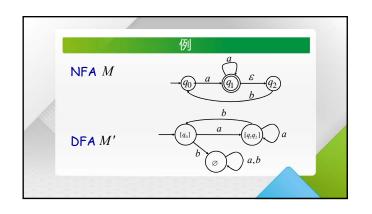


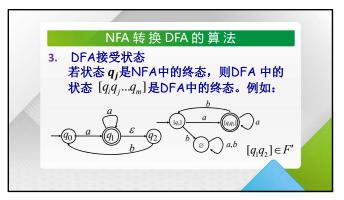


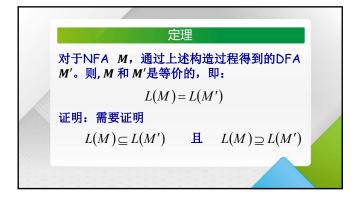


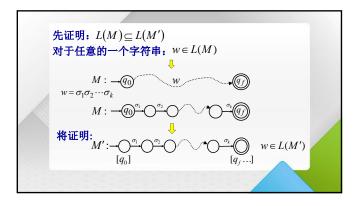


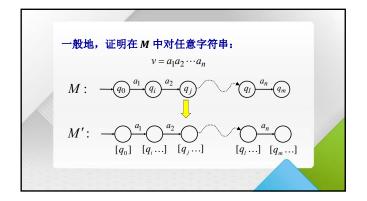


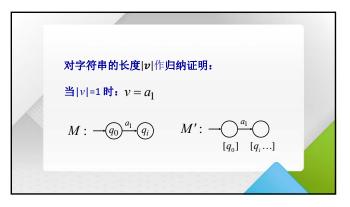


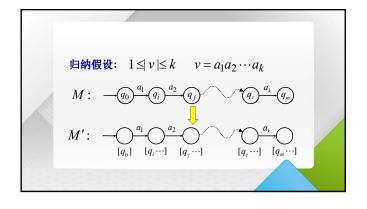


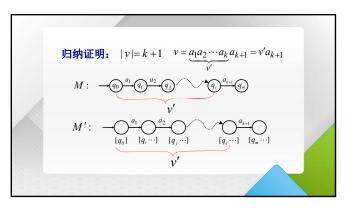


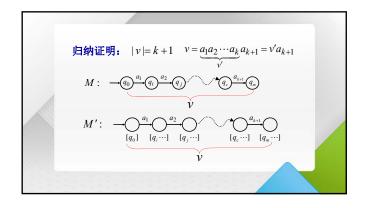


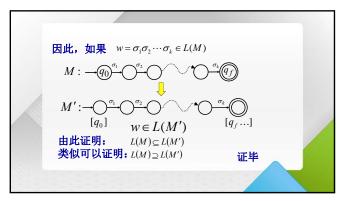












定理说明

- 该定理证明了NFA与DFA接受的语言相同, 都是正则语言。
- 虽然NFA与DFA等价,从状态的选择可见, 它们表示的复杂度不一样。

非确定有限自动机 • 非确定有限自动机的概念 • ε-转移 • 非确定有限自动机的定义 • 扩展转移函数 • 等价性证明 • 文本搜索

文本搜索 例: 设计一个 NFA 用来在文本中搜索以web 或ebb 为后缀的字符串 下图为一个满足条件的 NFA, 其中Σ 代表所有 ASCII 字符的集合.

