

Introduction

Convert simple regular expressions to minimum deterministic finite automaton. (Regex => NFA => DFA => Min-DFA)

Supported grammars

- $r = (s)$
 - $r = st$
 - $r = s|t$
 - $r = s^*$
 - $r = s^+$
 - $r = s?$
 - $r = \epsilon$
- (Copy this character to input if needed)

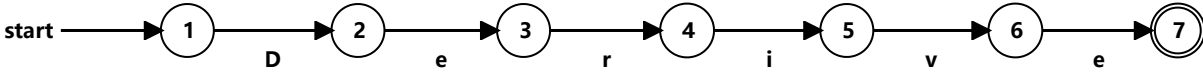
Examples

- $(a|b)^*$
- $(a^*|b^*)^*$
- $((\epsilon|a)b^*)^*$
- $(a|b)^*abb(a|b)^*$

Input: Derive

DFA: <https://cyberzhg.github.io/toolbox/nfa2dfa?regex=RGVyaXZl> (<https://cyberzhg.github.io/toolbox/nfa2dfa?regex=RGVyaXZl>)

DFA STATE	Min-DFA STATE	TYPE	D	e	i	r	v
{A}	1		2				
{B}	2			3			
{C}	3					4	
{D}	4				5		
{E}	5						6
{F}	6			7			
{G}	7	accept					



URL: https://cyberzhg.github.io/toolbox/min_dfa?regex=RGVyaXZl