

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

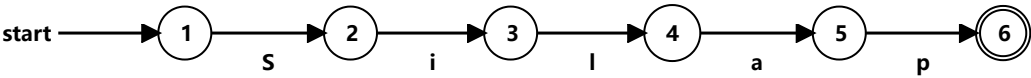
- $(a|b)^*$
- $(a^*|b^*)^*$
- $((\epsilon|a)b^*)^*$
- $(a|b)^*abb(a|b)^*$

Input: Silap

CONVERT

DFA: <https://cyberzhg.github.io/toolbox/nfa2dfa?regex=U2lsYXA=> (<https://cyberzhg.github.io/toolbox/nfa2dfa?regex=U2lsYXA=>)

DFA STATE	Min-DFA STATE	TYPE	S	a	i	l	p
{A}	1		2				
{B}	2				3		
{C}	3					4	
{D}	4			5			
{E}	5						6
{F}	6	accept					



URL: [https://cyberzhg.github.io/toolbox/min\\_dfa?regex=U2lsYXA=](https://cyberzhg.github.io/toolbox/min_dfa?regex=U2lsYXA=)