

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 = ε`
- (Copy this character to input if needed)

Examples

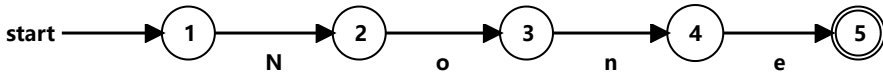
- `(a|b)*`
- `(a*|b*)*`
- `((ε|a)b*)*`
- `(a|b)*abb(a|b)*`

Input:

CONVERT

DFA: <https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Tm9uZQ==> (<https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Tm9uZQ==>)

DFA STATE	Min-DFA STATE	TYPE	N	e	n	o
{A}	1		2			
{B}	2					3
{C}	3				4	
{D}	4			5		
{E}	5	accept				



URL: [https://cyberzhg.github.io/toolbox/min\\_dfa?regex=Tm9uZQ==](https://cyberzhg.github.io/toolbox/min_dfa?regex=Tm9uZQ==)