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
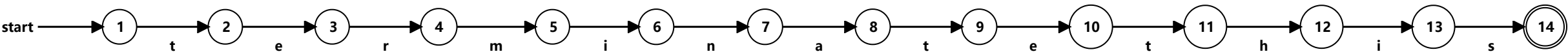 (Copy this character to input if needed)

Examples

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

Input: terminatethis

CONVERT

DFA: https://cyberzhg.github.io/toolbox/nfa2dfa?regex=dGVybWluYXRldGhpcw== (https://cyberzhg.github.io/toolbox/nfa2dfa?regex=dGVybWluYXRldGhpcw==)

DFA STATE	Min-DFA STATE	TYPE	a	e	h	i	m	n	r	s	t
{A}	1										2
{B}	2			3							
{C}	3								4		
{D}	4						5				
{E}	5					6					
{F}	6							7			
{G}	7		8								
{H}	8										9
{I}	9			10							
{J}	10										11
{K}	11				12						
{L}	12					13					
{M}	13									14	
{N}	14	accept									

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