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

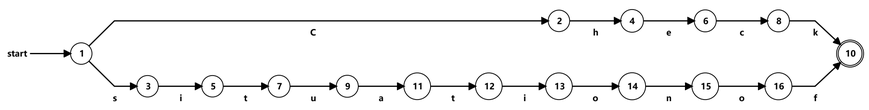
- `(a|b)*`
- `(a*|b*)*`
- `((ϵ|a)b*)*`
- `(a|b)*abb(a|b)*`

Input: `Check|situationof`

CONVERT

DFA: https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Q2hlY2t8c2l0dWF0aW9ub2Y= (https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Q2hlY2t8c2l0dWF0aW9ub2Y=)

DFA STATE	Min-DFA STATE	TYPE	C	a	c	e	f	h	i	k	n	o	s	t	u
{A}	1		2										3		
{B}	2							4							
{C}	3								5						
{D}	4					6									
{E}	5													7	
{F}	6				8										
{G}	7														9
{H}	8									10					
{I}	9			11											
{J,Q}	10	accept													
{K}	11													12	
{L}	12								13						
{M}	13											14			
{N}	14										15				
{O}	15											16			
{P}	16														10



URL: https://cyberzhg.github.io/toolbox/min_dfa?regex=Q2hlY2t8c2l0dWF0aW9ub2Y=