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

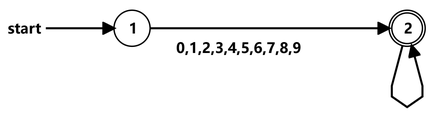
- `(a|b)*`
- `(a*|b*)*`
- `((ϵ|a)b*)*`
- `(a|b)*abb(a|b)*`

Input: `(0|1|2|3|4|5|6|7|8|9)+`

CONVERT

DFA: https://cyberzhg.github.io/toolbox/nfa2dfa?regex=KDB8MXwyfDN8NHw1fDZ8N3w4fDkpKw== (https://cyberzhg.github.io/toolbox/nfa2dfa?regex=KDB8MXwyfDN8NHw1fDZ8N3w4fDkpKw==)

DFA STATE	Min-DFA STATE	TYPE	0,1,2,3,4,5,6,7,8,9
{A}	1		2
{B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U}	2	accept	2



0,1,2,3,4,5,6,7,8,9

URL: https://cyberzhg.github.io/toolbox/min_dfa?regex=KDB8MXwyfDN8NHw1fDZ8N3w4fDkpKw==