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: `Category`

CONVERT

DFA: https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Q2F0ZWdvcnk= (https://cyberzhg.github.io/toolbox/nfa2dfa?regex=Q2F0ZWdvcnk=)

DFA STATE	Min-DFA STATE	TYPE	C	a	e	g	o	r	t	y
{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	accept								

URL: https://cyberzhg.github.io/toolbox/min_dfa?regex=Q2F0ZWdvcnk=