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: `Using`

CONVERT

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

DFA STATE	Min-DFA STATE	TYPE	U	g	i	n	s
{A}	1		2				
{B}	2						3
{C}	3				4		
{D}	4					5	
{E}	5			6			
{F}	6	accept					

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