HAI H NGUYEN
SID: 844 920 234

GrammarSolver

- grammarRulesMap: TreeMap<String, String[ ]>
- TERM_SEPARATOR : String
- NON_TERM_SEPARATOR : String
- RULE_REGEX : String
- TERM_SEPARATOR : String

+ GrammarSolver (rules : List<String>)
+ extractGrammarRule (rule : String)
+ contains (symbol : String) : boolean
+ getSymbols() : Set<String>
+ generate(symbol : String) : String
- bracketedSymbol(symbol : String) : String
- simplifiedSymbol(symbol : String) : String
- randomIndex (bound : int) : int

HAI H NGUYEN
SID: 844 920 234

GrammarMain

– solver: `GrammarSolver`

GrammarSolver

- grammarRulesMap: TreeMap<String, String[ ]>

- TERM_SEPARATOR : String

- NON_TERM_SEPARATOR : String

- RULE_REGEX : String

- TERM_SEPARATOR : String

TreeMap<String, String[ ]>

Key	Value
String nonTerm1	String[] rules1
String nonTerm2	String[] rules2
...	...

String[]

String rule1
String rule2
...