## **TPTPGraphBuilder**

- + nodes\_dictionary: Dictionary
- + parser: TPTPParser

  + run(start symbol: string, file: string): void
- + init\_tree(start\_symbol: string): void + count number of rules(): int
- + buid nodes dictionary(rules list: GRAMMAR LIST): void
- huild graph rolestort nade NTNode) word
- + build\_graph\_rek(start\_node: NTNode): void
- + search productions list for nt(node: NTNode, productions list: PRODUCTIONS LIST): void
- + search\_production\_for\_nt(node: NTNode, production: PRODUCTION, children: list): void + find nt key(nt name: string): list
- + disable\_rules(disable\_rules\_string: string): void
- + remove non terminating symbols(start node: NTNode): void
- + delete\_non\_terminating\_productions(start\_node: NTNode, terminating: set, visited: set): void + delete\_non\_terminating\_nodes(terminating: set): void
- + find\_non\_terminating\_symbols(node: NTNode, terminating: set, visited: set): void
- + value\_in\_terminating(value: string, terminating: set): boolean + find\_rule\_type\_for\_rule(expression: RULE): RuleType
- + assign comments to rules (rules list: GRAMMAR LIST): void
- + append\_comment\_block\_to\_node(rule: RULE, comment\_block: COMMENT\_BLOCK): void