



LR0Parser contains one grammar, one augmented grammar, a list of key value pairs of ClosureAction and LR0State, which is used to map a closure to a state in order to verify if the closure was previously calculated and to identify the state. This list is used in Goto method for efficiency and to prevent recursion in CanonicalCollection method.

LR0Item contains two strings (lhs, rhs) and some helper functions like GetDotIndex, MoveDot

LR0State contains just a list of LR0Items In Grammar we have

- - a list of string for nonterminals and terminals,
 - - Productions: in the form of a dictionary with keys string s and the values are a list of strings. Also, in the form of a list of LR0Items
 - - The starting symbol as a string.
 - - And a list of strings for all the symbols
- AugmentedGrammar inherits Grammar and redefines Productions as a dictionary with keys strings and the values are a list of LR0Items