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# VYPA: TABULAR PARSING

I am going to do my lecture about tabular parsing. I have been consulting several websites and books and I´m going to structure my presentation in four or five blocks.

In the first place, I will speak about the beginning of tabular parsing and parse tables and the distinct number of algorithms that we can find (LC parsing, Tamita´s algorithm, Earley´s algorithm, PLR parsing,…).

I will also speak about pushdown automaton, since they are directly related to tabular parsing and non tabular parsing grammars. I have decided to do a short introduction about this topic, in order to introduce the audience to the body of my presentation.

Then, I will speak about the most important tabular parsing algorithms that we can find nowadays. I will speak about LC parsing, predictive LR parsing, extended LR parsing and common prefix parsing. I will explain all the characteristics about of these algorithms, how they work and several other interesting facts about these algorithms.

Finally, I will make a conclusion on the topic, based on the algorithms that I have reviewed and the information which I have looked into.

The main sources are Meduna´s book and Nederhoff and Sata´s article about tabular parsing.