**Индивидуальный вариант:**

/\* аксиома помечена звёздочкой \*/

F ("n")

("(" E ")")

T (F T')

T' ("\*" F T') ()

\* E (T E')

E’ (“+” T E’) ()

**Лексическая структура:**

* комментарий = /\*.\*/
* T = \\s?"[a-z+\*()]\*"
* NonT = \\s?[A-Z]+\’?
* EqSign = ^ {2}(?=\S)
* AxSign = \*
* Alt\_Start = \*\(
* Alt\_End = \)

**Грамматика:**

S ::= Rules Axioma Rules

Rules ::= Rule Rules | eps

Axioma ::= AxSign Rule

Rule ::= NonT EqSign RightPart

RightPart ::= AltStart Altern AltEnd RightPart | eps

Altern ::= T Altern | NonT Altern | eps

**FIRST & FOLLOW:**

|  |  |  |
| --- | --- | --- |
|  | **FIRST** | **FOLLOW** |
| S | AxSign, NonT | $ |
| Rules | NonT, eps | AxSign, $ |
| Axioma | AxSign | NonT |
| Rule | NonT | AxSign, NonT |
| RightPart | AltStart | AxSign, NonT |
| Altern | NonT, T | AltEnd |

**Таблица предсказывающего разбора:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **T** | **NonT** | **AxSign** | **EqSign** | **NLSign** | **AltStart** | **AltEnd** | **$** |
| **S** |  | Rules Axioma Rules | Rules Axioma Rules |  |  |  |  |  |
| **Rules** |  | Rule Rules | eps |  |  |  |  | eps |
| **Axioma** |  |  | AxSign Rule |  |  |  |  |  |
| **Rule** |  | NonT EqSign RightPart |  |  |  |  |  |  |
| **RightPart** |  | eps | eps |  |  | AltStart Altern AltEnd RightPart |  |  |
| **Altern** | T Altern | NonT Altern |  |  |  |  | eps |  |