**Грамматика**

create\_table → create table name (column PK FK)

column → name type attributes, column’

column’ → name type attributes, column’ | e

type → int | char

attributes → null| not null

PK → primary key (names)

FK →, foreign key (names) references name (names) FK | e

names → name names’

names’ →, name names’| e

**Множество first**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Грамматический символ | Шаг алгоритма | | | first |
| 1 | 2 | 3 |
| create\_table |  |  | create | create |
| column |  |  | name | name |
| column’ |  | e | name | name, e |
| type |  |  | int, char | int, char |
| attributes |  |  | null, not null | null, not null |
| PK |  |  | primary | primary |
| FK |  | e | “,” | “,”, e |
| names |  |  | name | name |
| names’ |  | e | “,” | “,”, e |
| create | create |  |  | create |
| table | table |  |  | table |
| primary | primary |  |  | primary |
| foreign | foreign |  |  | foreign |
| key | key |  |  | key |
| references | references |  |  | references |
| null | null |  |  | null |
| not null | not null |  |  | not null |
| int | int |  |  | int |
| char | char |  |  | char |
| name | name |  |  | name |
| ( | ( |  |  | ( |
| ) | ) |  |  | ) |
| , | , |  |  | , |

**Множество follow**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Грамматический символ | Шаг алгоритма | | | | follow |
| 1 | 2 | 3 | 4 |
| create\_table | eof |  |  |  | eof |
| column |  | primary |  |  | primary |
| column’ |  |  | primary |  | primary |
| attributes |  | null, not null |  | primary | null, not null, primary |
| attributes |  | “,” |  |  | “,” |
| PK |  | “,” |  | ) | “,”, ) |
| FK |  |  | ) |  | ) |
| names |  | ) |  |  | ) |
| names’ |  |  | ) |  | ) |

**Таблица разбора**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | create | table | primary | foreign | key | references | null | not | int | char | name | ( | ) | , |
| program | create table name (column PK FK) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| column |  |  |  |  |  |  |  |  |  |  | name type attributes, column’ |  |  |  |
| column’ |  |  | e |  |  |  |  |  |  |  | name type attributes, column’ |  |  |  |
| type |  |  |  |  |  |  |  |  | int | char |  |  |  |  |
| attributes |  |  |  |  |  |  | null | not null |  |  |  |  |  |  |
| PK |  |  | primary key (names) |  |  |  |  |  |  |  |  |  |  |  |
| FK |  |  |  |  |  |  |  |  |  |  |  |  | e | , foreign key (names) references name (names) FK |
| names |  |  |  |  |  |  |  |  |  |  | name names’ |  |  |  |
| names’ |  |  |  |  |  |  |  |  |  |  |  |  | e | ,name names’ |