|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Non - Terminal** | **Input Symbol** | | | | | | | | | | | |
| **PRINT** | **BEGINQUOTE** | **ENDQUOTE** | **LETTER** | **+** | **-** | **\*** | **/** | **(** | **)** | **NUM** | **$** |
| **prog** | **prog : stmt-list** |  |  |  |  |  |  |  |  |  |  |  |
| **stmt-list** | **stmt-list : stmt stmt-list’** |  |  |  |  |  |  |  |  |  |  |  |
| **stmt-list’** | **stmt-list’ : stmt stmt-list’** |  |  |  |  |  |  |  |  |  |  | **stmt-list’ : ε** |
| **stmt** | **stmt : PRINT word** |  |  |  |  |  |  |  |  |  |  |  |
| **word** |  | **word : string** |  |  |  |  |  |  | **word : expr** |  | **word : expr** |  |
| **string** |  | **string : BEGINQUOTE charlist ENDQUOTE** |  |  |  |  |  |  |  |  |  |  |
| **charlist** |  |  | **charlist : charlist’** | **charlist : charlist’** |  |  |  |  |  |  |  |  |
| **charlist’** |  |  | **charlist’ : ε** | **charlist’ : LETTER charlist’** |  |  |  |  |  |  |  |  |
| **expr** |  |  |  |  |  |  |  |  | **expr : term expr’** |  | **expr : term expr’** |  |
| **expr’** | **expr’ : ε** |  |  |  | **expr’ : + term expr’** | **expr’ : - term expr’** |  |  |  | **expr’ : ε** |  | **expr’ : ε** |
| **term** |  |  |  |  |  |  |  |  | **term : factor term’** |  | **term : factor term’** |  |
| **term’** | **term’ : ε** |  |  |  | **term’ : ε** | **term’ : ε** | **term’ : \* factor term’** | **term’ : / factor term’** |  | **term’ : ε** |  | **term’ : ε** |
| **factor** |  |  |  |  |  |  |  |  | **factor : ( expr )** |  | **factor : NUM** |  |