```
PROGRAM = {INCLUDE}, TYPE, "main", "(", {IDENTIFIER}, ")", "{",
          {STATEMENT}, ["return", NUMBER| "0" | IDENTIFIER | "" | {ASCII
CODE } , "; "] " } " .
LETTER = "A" | "B" | "C" | "D" | "E" | "F" | "G" | "H" | "I" | "J" |
         "K" | "L" | "M" | "N" | "O" | "P" | "Q" | "R" | "S" | "T" |
         "U" | "V" | "W" | "X" | "Y" | "Z" | "a" | "b" | "c" | "d" |
        "e" | "f" | "g" | "h" | "i" | "j" | "k" | "l" | "m" | "n" |
      "o" | "p" | "q" | "r" | "s" | "t" | "u" | "v" | "w" | "x" |
"y" | "z" .
DIGIT= "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9" .
NONZERONUMBER = "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9",
{DIGIT} .
IDENTIFIER = LETTER{ LETTER | DIGIT | " "};
NUMBER = ["-"] , "0" | NONZERONUMBER;
INCLUDE = "#include", ("<", IDENTIFIER, ">", ";") | ( " " "
         , IDENTIFIER, " " ", ";") .
TYPE = "int" | "bool" | "std::string" | "double" | "float" .
USERTYPE = LETTER, {LETTER | DIGIT | "_"}.
ARRAY = TYPE | USERTYPE, IDENTIFIER, "[", NONZERONUMBER, {NUMER}, "]",
      "; ".
STATEMENT = VARIABLEDECLARATION | ASSIGMENT | ARITHMETICASSIGMENT |
           (IDENTIFIER, "(", {IDENTIFIER}, ")").
VARIABLEDECLARATION = (TYPE | USERTYPE, IDENTIFIER) | ARRAY, ";".
ASSIGMENT = IDENTIFIER, "=", ( "new", USERTYPE | TYPE)
           | VARIABLE | NUMBER , ";" .
BREAK = "break", ";" .
ARITHMETICASSIGMENT = ( IDENTIFIER, "++" | "-") | ( "++"
                      | " -", IDENTIFIER) | (["+" | "-"], IDENTIFIER,
                      {"+" | "-" | "*" | "/", IDENTIFIER}, ";".
CONDITION = IDENTIFIER | NUMBER, ("="|"<"|"<="|">="|">="
```