Grammatica BNF

program → *decl-list* | *body*
decl-list → *decl* **;** *decl-list* | ε
decl → *type* **:** *id-list*
type → **intero** | **decimale** | **stringa** | **boolean**
id-list → **id** **,** *id-list* | **id**
body → **inizio** *stat-list* **fine .**
stat-list → *stat* **;** *stat-list* | ε
stat → *assign-stat* | *se-stat* | *ripeti-stat* | **stop** | *scrivi-stat* | *inserisci-stat* | *inc-dec-stat*
assign-stat → **id =** *rhs-assign-stat*
rhs-assign-stat → *math-expr* | *bool-const*
bool-const → **vero** | **falso**
math-expr → *math-expr* **+** *math-term* | *math-expr* **-** *math-term* | *math-term*
math-term → *term* ***** *math-factor* | *term* **/** *math-factor* | *math-factor*
math-factor → **(** *math-expr* **)** | *radice-stat* | **num-const**
radice-stat → **radice (** *math-expr* **)**
num-const → **intconst** | **realconst** | **id**
se-stat → **se (** *logical-expr* **) vero fai :** *stat-list* *altrimenti-stat* **fine**
altrimenti-stat → **altrimenti :** *stat-list* | ε
logical-expr → *logical-expr* **e** *rel-expr* | *logical-expr* **o** *rel-expr* | *rel-expr*
rel-expr → *rel-term* **<** *rel-term* | *rel-term* **<=** *rel-term* | *rel-term* **>** *rel-term* |
　　　　　　rel-term **>=** *rel-term* | *rel-term* **==** *rel-term* | *rel-term* **!=** *rel-term* | *rel-term*
rel-term → *num-const* | **id** | **(** *logical-expr* **)**
ripeti-stat → **ripeti intconst volte :** *stat-list* **fine**
scrivi-stat → **scrivi (** *scrivi-arg* **)**
scrivi-arg → **strconst** | **id** | **num-const**
inserisci-stat → **inserisci (id)**
inc-dec-stat → **id++** | **id--**