<prog> → program <identifier> ; var <dec-list> begin <stat-list> end.

<identifier> → <id><A>

<A> → <id><A>

<A> → <digit><A>

<A> → λ

<dec-list> → <dec>:<type>;

<dec> → <identifier><C>

<C> → ,<dec>

<C> → λ

<type> → integer

<stat-list> → <stat><D>

<D> → <stat-list>

<D> → λ

<stat> → <write>

<stat> → <assign>

<write> → write(<str><identifier>);

<str> → “”,

<str> → λ

<assign> → <identifier>=<expr>;

<expr> → <term><E>

<E> → +<expr>

<E> → -<expr>

<E> → λ

<term> → <factor><Q>

<Q> → \*<factor><Q>

<Q> → /<factor><Q>

<Q> → λ

<factor> → <identifier>

<factor> → <number>

<factor> → (<expr>)

<number> → <sign><digit><B>

<B> → <digit><B>

<B> → λ

<sign> → + | - | λ

<digit> → 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

<id> → a | b | c | d