```
\langle program \rangle \rightarrow \langle function \rangle [\langle function \rangle]
⟨function⟩ → int ⟨identifier⟩(⟨parameter-list⟩) ⟨compound-statement⟩
⟨function⟩ → int ⟨identifier⟩(⟨parameter-list⟩);
\langle parameter-list \rangle \rightarrow [\langle parameter \rangle [, \langle parameter \rangle ]]
⟨parameter⟩ → int ⟨declarator⟩
⟨declarator⟩ → ⟨identifier>[[⟨number⟩]]
⟨compound-statement⟩ → {⟨declaration-list⟩⟨statement-list⟩⟩
<declaration-list> → [<declaration>]
⟨declaration⟩ → int ⟨declarator-list⟩:
<declarator-list> → <declarator>[, <declarator>]
⟨statement-list⟩ → [⟨statement⟩]
\langle statement \rangle \rightarrow \langle assignment-statement \rangle | \langle compound-statement \rangle | \langle if-statement \rangle |
                  <while-statement> <return-statement> <read-statement>
                  (write-statement) (writeln-statement)
⟨assignment-statement⟩ → ⟨variable⟩ = ⟨logical-expression⟩;
⟨logical-expression⟩ → [!]⟨conditional-expression⟩
⟨conditional-expression⟩ → ⟨expression⟩[⟨relative-operator⟩⟨expression⟩]
⟨expression⟩ → ⟨term⟩[⟨additive-operator⟩⟨term⟩]
<term> → \( \) factor \( \] \( \) multiplicative-operator \( \) \( \) factor \( \) \( \]
<factor> → ⟨variable⟩ (⟨logical-expression⟩) | ⟨identifier⟩(⟨argument-list⟩) |
             (number)
⟨variable⟩ → ⟨identifier⟩ [ [⟨logical-expression⟩] ]
⟨argument-list⟩ → [⟨logical-expression⟩[, ⟨logical-expression⟩]]
⟨if-statement⟩ → if (⟨logical-expression⟩) ⟨statement⟩ else ⟨statement⟩
⟨while-statement⟩ → while (⟨logical-expression⟩) ⟨statement⟩
⟨return-statement⟩ → return ⟨logical-expression⟩;
⟨read-statement⟩ → read ⟨variable⟩;
⟨write-statement⟩ → write ⟨logical-expression⟩;
⟨writeln-statement⟩ → writeln;
<relative-operator> → == |!= | < | > | <= | >=
<additive-operator> → + -
⟨multiplicative-operator⟩ → * | / | %
\langle identifier \rangle \rightarrow \langle alphabetic-character \rangle [\langle alphabetic-numeric-character \rangle]
⟨number⟩ → ⟨numeric-character⟩ [⟨numeric-character⟩]
```

図 A.1 tiny-C 言語の文法規則