Table 1: BNF grammar: Random Rule Application.

```
<directobject> ::= <article> <noun>
<article> ::= THE | A
<noun> ::= MAN | DOG
<verb> ::= BITES | PETS
Result: TRUE ( Number of applied rules: 9 )
A MAN BITES THE DOG
<sentence> ::= <subject> of
<subject> ::= <article> <noun>
<article> ::= A
<noun> ::= MAN
cotobject>
<verb> ::= BITES
<directobject> ::= <article> <noun>
<article> ::= THE
<noun> ::= DOG
```

<sentence> ::= <subject> cate>

<subject> ::= <article> <noun>

Table 2: BNF grammar: Random Rule Application.

```
<sentence> ::= if <expr> return <expr> else return <value>
<expr> ::= ( <expr> <op> <expr> ) | <value>
<op> ::= + | - | * | /
<value> ::= X | Y | Z
```