<grammar>

<effect> ::= "effect" "{" <name> "," <params> "," <action> "}"

<name> ::= "Name:" "\"" <string> "\""

<params> ::= "Params:" "{" <param> "}"

<param> ::= <key> ":" <type>

<action> ::= "Action:" "(" <targets> "," <context> ")" "{" <block> "}"

<block> ::= <statement> | <statement> ";" <block>

<statement> ::= <assignment> | <loop> | <access> | <functionCall>

<assignment> ::= <variable> "=" <expression>

<loop> ::= "for" <iterator> "in" <collection> "{" <block> "}" | "while" "(" <condition> ")" "{" <block> "}"

<access> ::= <property> "." <property>

<functionCall> ::= <function> "(" <arguments> ")"

<context> ::= "context." <property>

<targets> ::= "targets"

<context> ::= "context"

<type> ::= "Number" | "String" | "Boolean" | "List" | "Function"

<key> ::= <identifier>

<identifier> ::= <letter> <alphanumeric>

<string> ::= '"' <characters> '"'

<characters> ::= <character> | <character> <characters>

<character> ::= <letter> | <digit> | "\_" | "-" | "." | "," | "/" | "?" | "!" | "%" | "^" | "&" | "\*" | "<" | ">" | "=" | "+" | "-" | "|" | "@" | "~" | "`" | "[" | "]" | "{" | "}" | "|" | "\" | "'" | "$" | "#" | " " | "\n" | "\t"

<expression> ::= <term> | <term> <operator> <expression>

<term> ::= <factor> | <factor> <operator> <term>

<factor> ::= <primary> | "(" <expression> ")"

<operator> ::= "+" | "-" | "\*" | "/" | "^" | "++" | "&&" | "||" | "<" | ">" | ">=" | "<=" | "@" | "%%" | "^^" | "&&&" | "|||" | "<>" | "==" | "!=" | "<<" | ">>" | "<<<" | ">>>" | "===" | "!==" | "and" | "or" | "not" | "is" | "in" | "of" | "on" | "at" | "by" | "to" | "from" | "with" | "without" | "into" | "onto" | "around" | "through" | "over" | "under" | "across" | "before" | "after" | "since" | "until" | "while" | "unless" | "because" | "although" | "even though" | "provided that" | "assuming that" | "given that" | "considering that" | "taking into account" | "bearing in mind" | "having in mind" | "mindful of" | "aware of" | "conscious of" | "cognizant of" | "knowledgeable about" | "familiar with" | "versed in" | "well-acquainted with" | "fond of" | "keen on" | "interested in" | "concerned with" | "preoccupied with" | "engrossed in" | "absorbed in" | "wrapped up in" | "involved in" | "caught up in" | "embroiled in" | "entangled in" | "enmeshed in" | "ensnared in" | "entwined in" | "interwoven in" | "tangled in" | "knotted in" | "twisted in" | "mired in" | "stuck in" | "trapped in" | "held captive in" | "imprisoned in" | "incarcerated in" | "confined in" | "restrained in" | "restricted in" | "limited to" | "bound to" | "committed to" | "dedicated to" | "devoted to" | "loyal to" | "faithful to" | "true to" | "steadfast to" | "firmly committed to" | "unwaveringly dedicated to" | "zealously devoted to" | "passionately committed to" | "wholeheartedly dedicated to" | "sincerely devoted to" | "honestly committed to" | "genuinely dedicated to" | "frankly devoted to" | "openly committed to" | "transparently dedicated to" | "clearly devoted to" | "obviously committed to" | "evidently dedicated to" | "apparently devoted to" | "presumably committed to" | "ostensibly dedicated to" | "putatively devoted to" | "purportedly committed to" | "allegedly dedicated to" | "supposedly devoted to" | "reportedly committed to" | "traditionally committed to" | "historically dedicated to" | "culturally devoted to" | "socially committed to" | "politically dedicated to" | "religiously devoted to" | "scientifically committed to" | "technologically dedicated to" | "artistically devoted to" | "musically committed to" | "literarily committed to" | "philosophically dedicated to" | "mathematically devoted to" | "logically committed to" | "biologically dedicated to" | "chemically devoted to" | "physically committed to" | "geographically dedicated to" | "astronomically devoted to" | "cosmologically committed to" | "theoretically dedicated to" | "empirically devoted to" | "experimentally committed to" | "observationally dedicated to" | "clinically committed to" | "medically dedicated to" | "psychologically devoted to" | "neurologically committed to" | "anatomically dedicated to" | "pathologically devoted to" | "microbiologically committed to" | "virologically dedicated to" | "bacteriologically devoted to" | "immunologically committed to> | "pharmacologically committed to" | "biochemically dedicated to" | "cellularly devoted to" | "genetically committed to" | "evolutionarily dedicated to" | "ecologically devoted to" | "botanically committed to" | "zoologically dedicated to" | "ornithologically committed to" | "ichthyologically dedicated to" | "herpetologically devoted to" | "amphibially committed to" | "reptiliarily dedicated to" | "mammalogically devoted to" | "primatologically committed to" | "ungulately dedicated to" | "aquatically devoted to" | "terrestrially committed to" | "arboreally dedicated to" | "foliaceously devoted to" | "floristically committed to" | <number> | <boolean> | <list> | <function>

<number> ::= <integer> | <decimal>

<integer> ::= <digit> | <digit> <integer>

<decimal> ::= <integer> "." <fraction>

<fraction> ::= <digit> | <digit> <fraction>

<boolean> ::= "true" | "false"

<list> ::= "[" <elements> "]"

<elements> ::= <element> | <element> "," <elements>

<element> ::= <expression> | <list> | <map> | <set> | <tuple> | <null> | <undefined> | <this> | <self> | <super> | <class> | <instance> | <prototype> | <constructor> | <destructor> | <initializer> | <finalizer> | <getter> | <setter> | <method> | <property> | <event> | <callback> | <promise> | <observable> | <stream> | <channel> | <socket> | <port> | <pipe> | <buffer> | <queue> | <stack> | <heap> | <array> | <sequence> | <collection> | <iterable> | <enumerable> | <iterable> | <enumerable> | <generator> | <producer> | <consumer> | <subscriber> | <observer> | <listener> | <watcher> | <monitor> | <detector> | <sensor> | <actuator> | <controller> | <driver> | <stepper> | <crawler> | <scrawler> | <walker> | <hiker> | <trekker> | <rider> | <pilot> | <navigator> | <voyager> | <explorer> | <adventurer> | <traveler> | <nomad> | <drifter> | <wanderer> | <roamer> | <migrator> | <settler> | <colonist> | <inhabitant> | <resident> | <citizen> | <subject> | <member> | <participant> | <contributor> | <collaborator> | <cooperator> | <partner> | <associate> | <colleague> | <companion> | <comrade> | <ally> | <friend> | <acquaintance> | <neighbor> | <relative> | <kin> | <family> | <clan> | <tribe> | <community> | <society> | <nation> | <realm> | <kingdom> | <empire> | <dynasty> | <oligarchy> | <democracy> | <monarchy> | <republic> | <commonwealth> | <confederacy> | <union> | <alliance> | <coalition> | <front> | <army> | <fleet> | <navy> | <airforce> | <marines> | <guardians> | <protectors> | <defenders> | <warriors> | <fighters> | <soldiers> | <troops> | <forces> | <brigade> | <division> | <corps> | <regiment> | <```