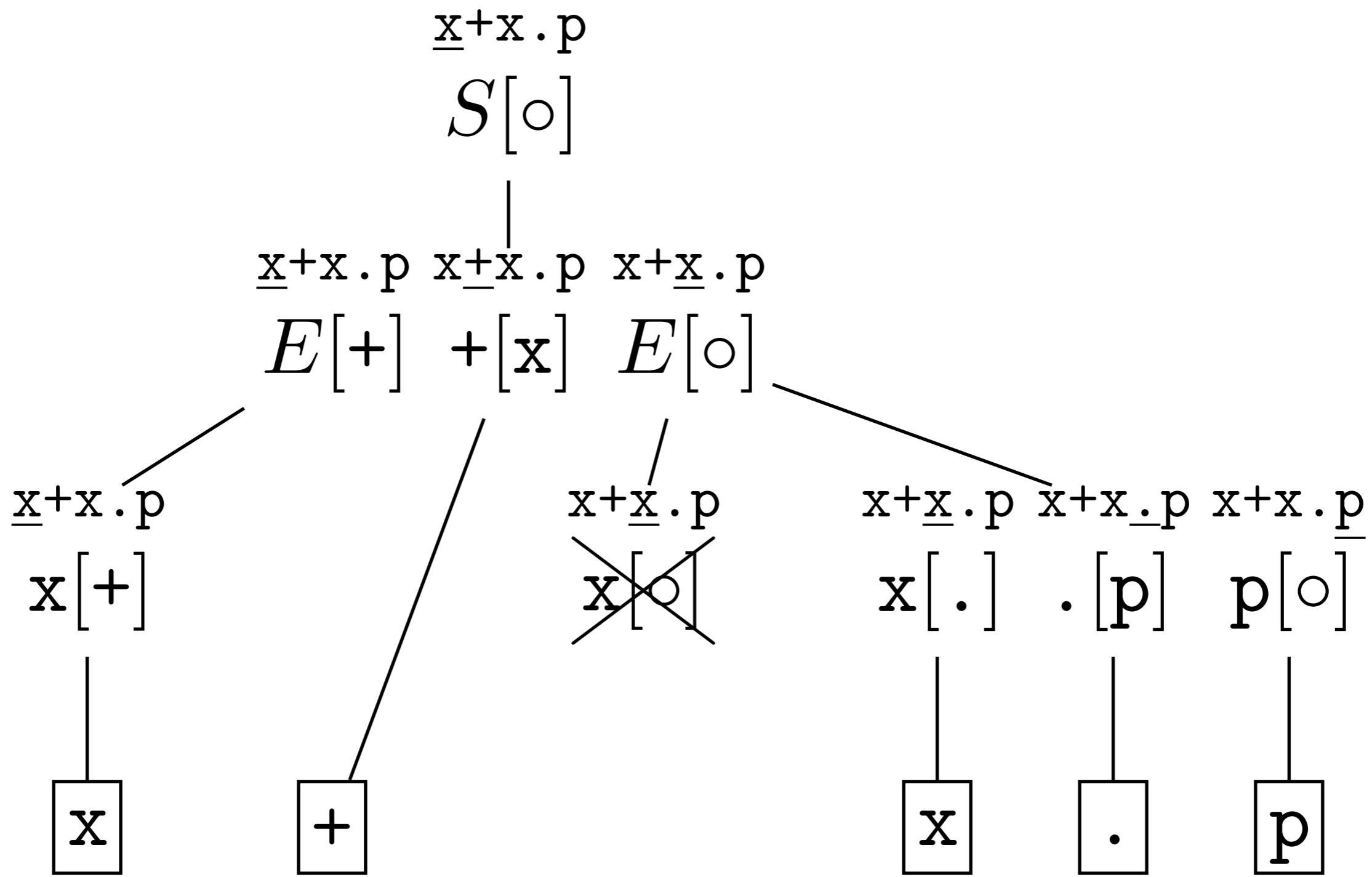
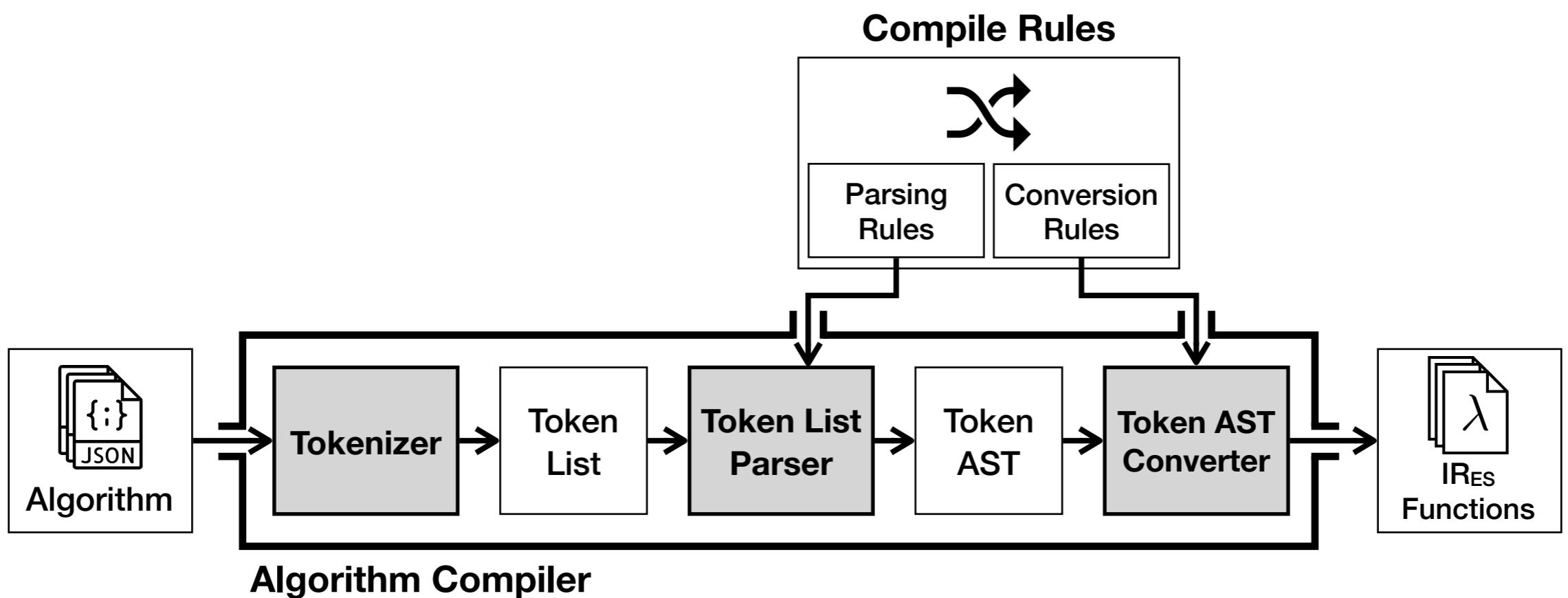


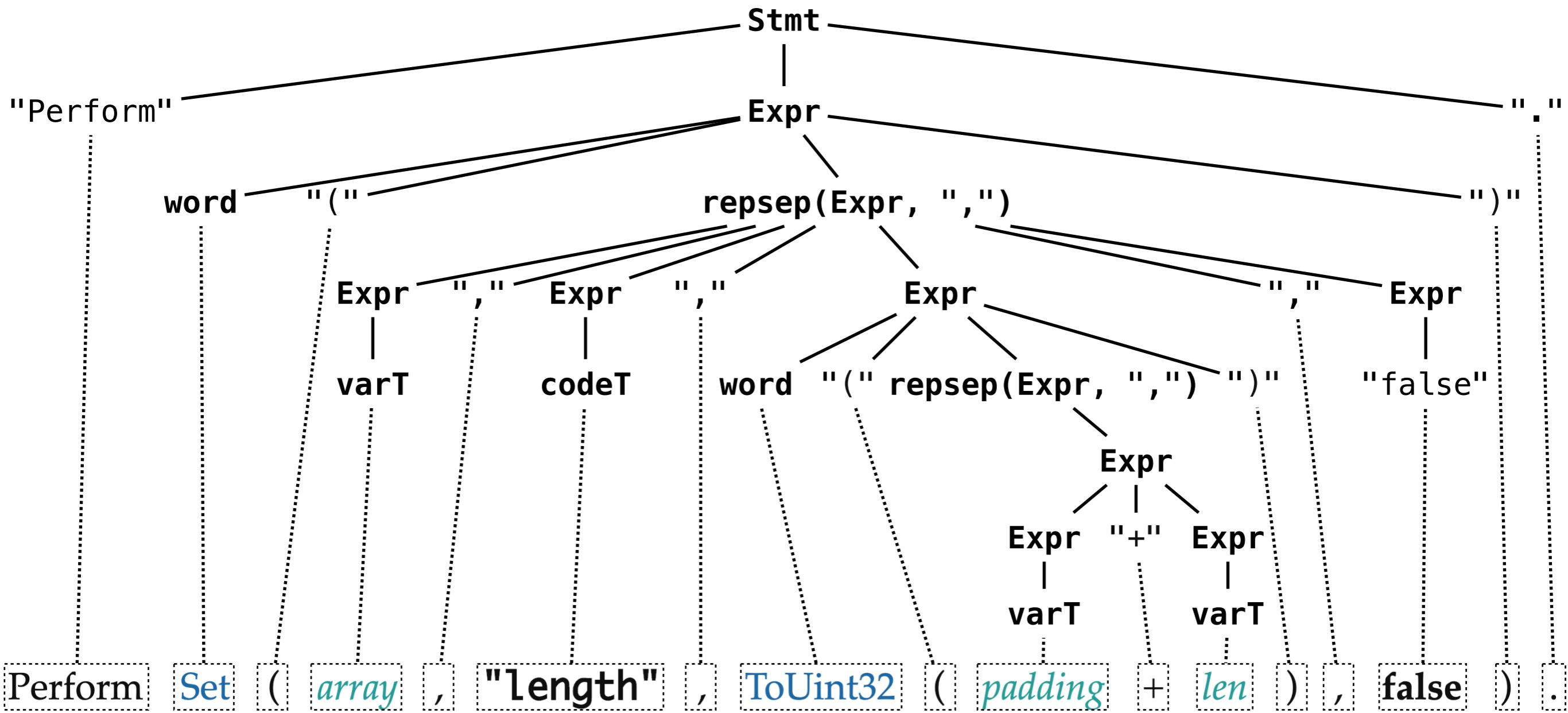
*ArrayLiteral* [ *Yield*, *Await* ] :  
[ *Elision*<sub>opt</sub> ]  
[ *ElementList* [ ?*Yield*, ?*Await* ] ]  
[ *ElementList* [ ?*Yield*, ?*Await* ] , *Elision*<sub>opt</sub> ]

*ArrayLiteral* : [ *ElementList* , *Elision*<sub>opt</sub> ]

1. Let *array* be ! **ArrayCreate**(0).
2. Let *len* be the result of performing **ArrayAccumulation** for *ElementList* with arguments *array* and 0.
3. **ReturnIfAbrupt**(*len*).
4. Let *padding* be the **ElisionWidth** of *Elision*; if *Elision* is not present, use the numeric value zero.
5. Perform **Set**(*array*, "length", **ToUint32**(*padding* + *len*), false).
6. NOTE: The above Set cannot fail because of the nature of the object returned by **ArrayCreate**.
7. Return *array*.

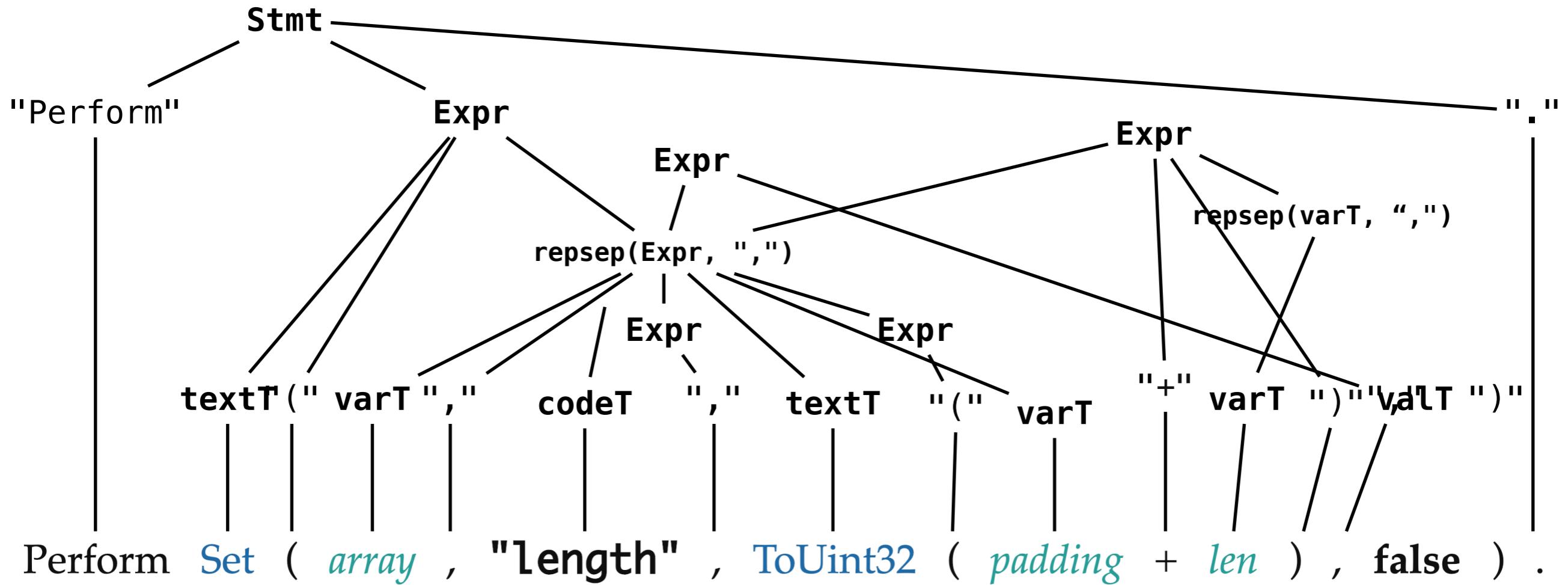




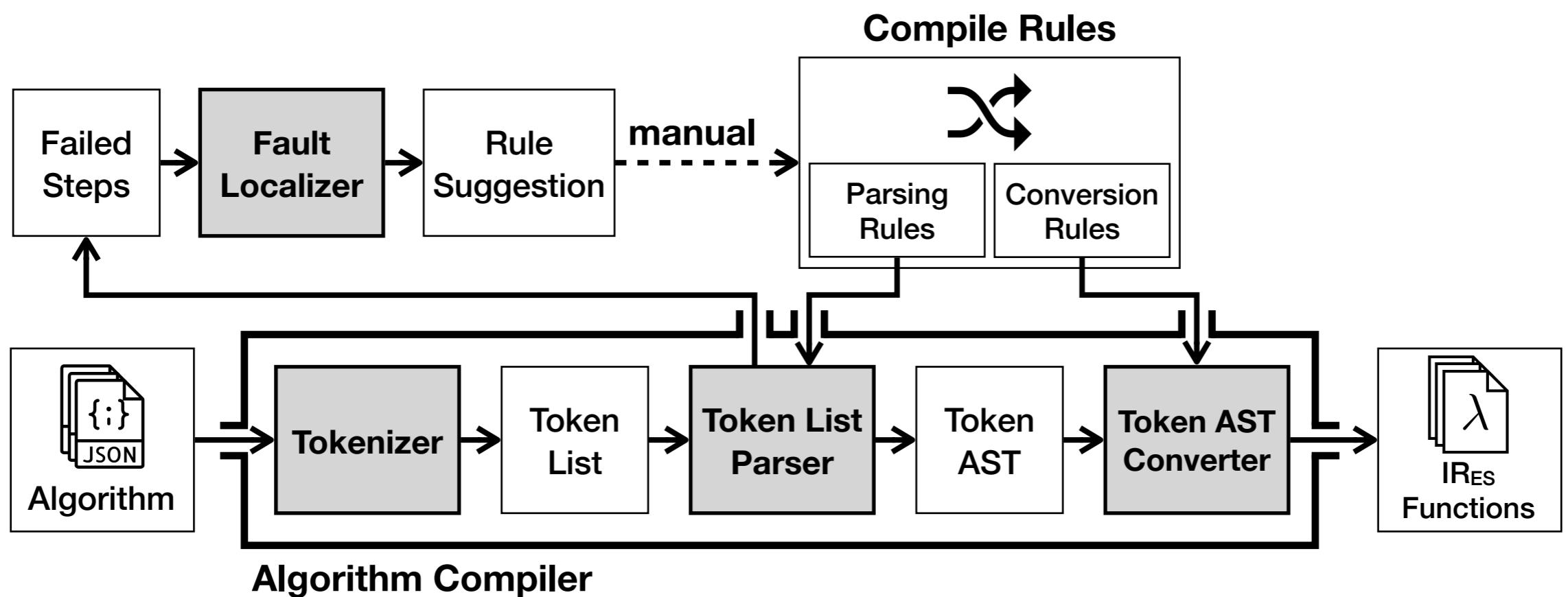


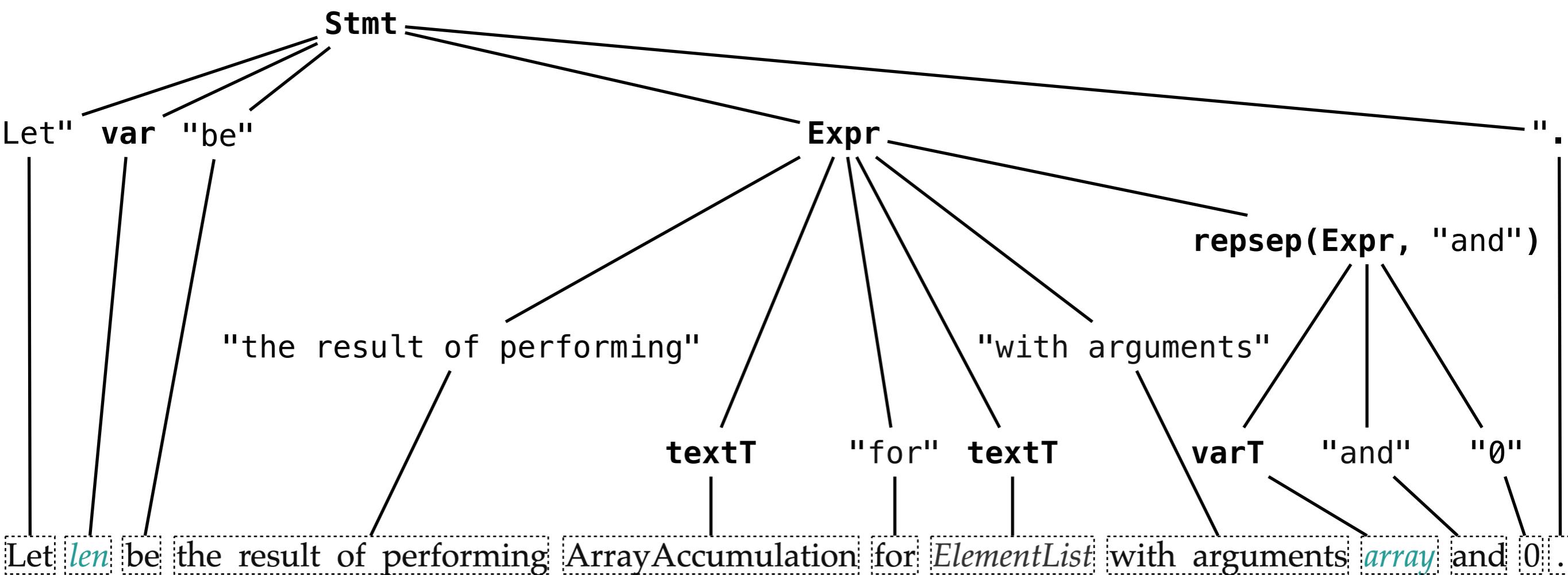


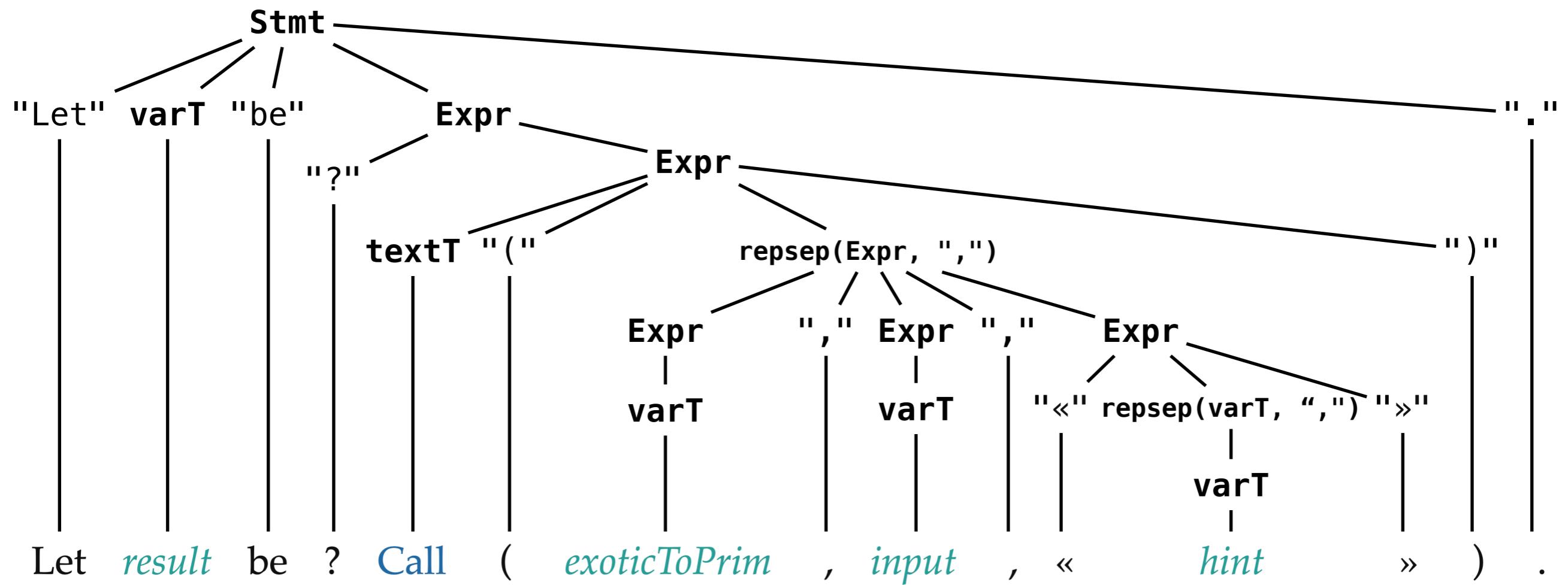
Perform Set(*array*, "length", ToUInt32(*padding* + *len*), false).

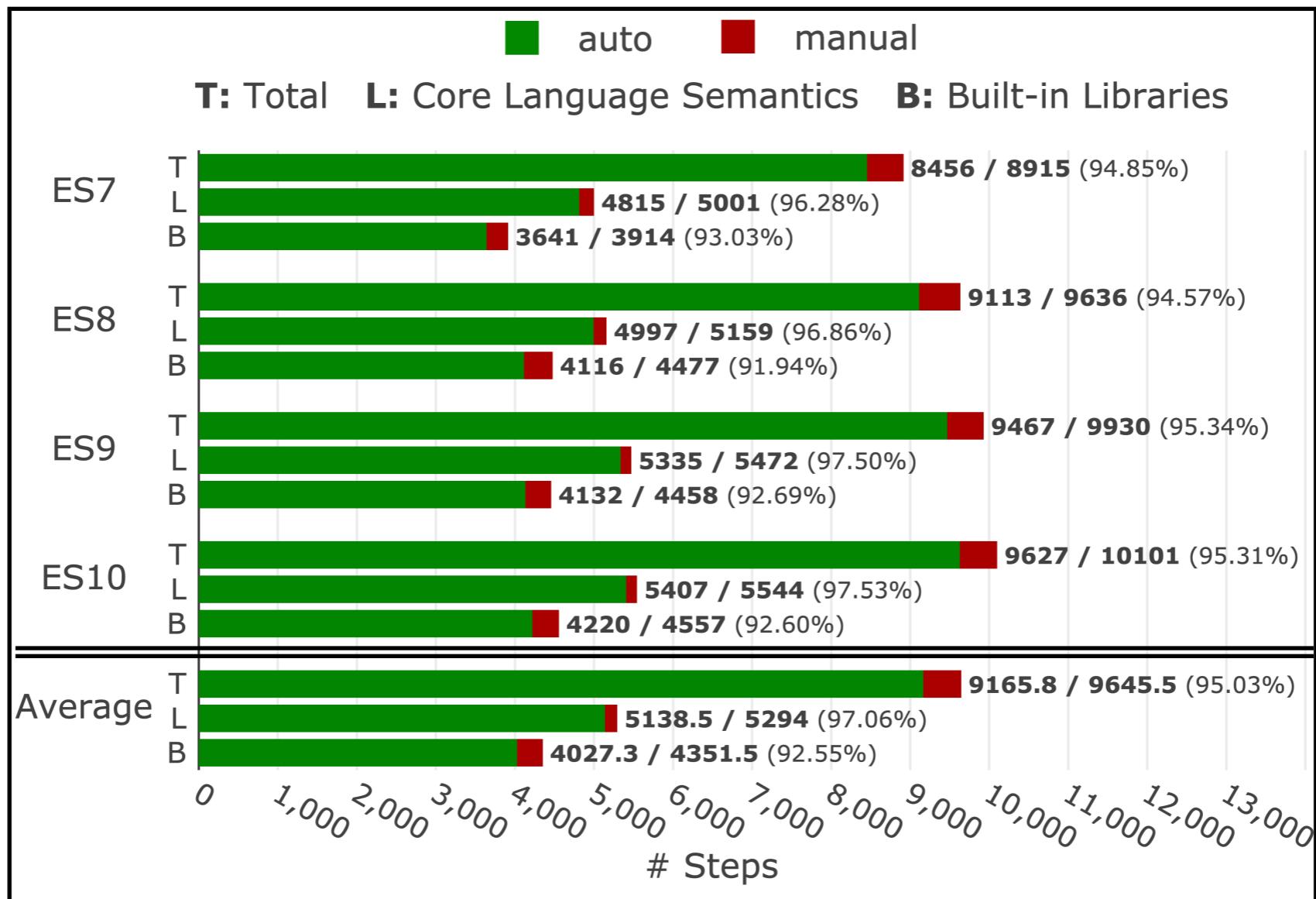


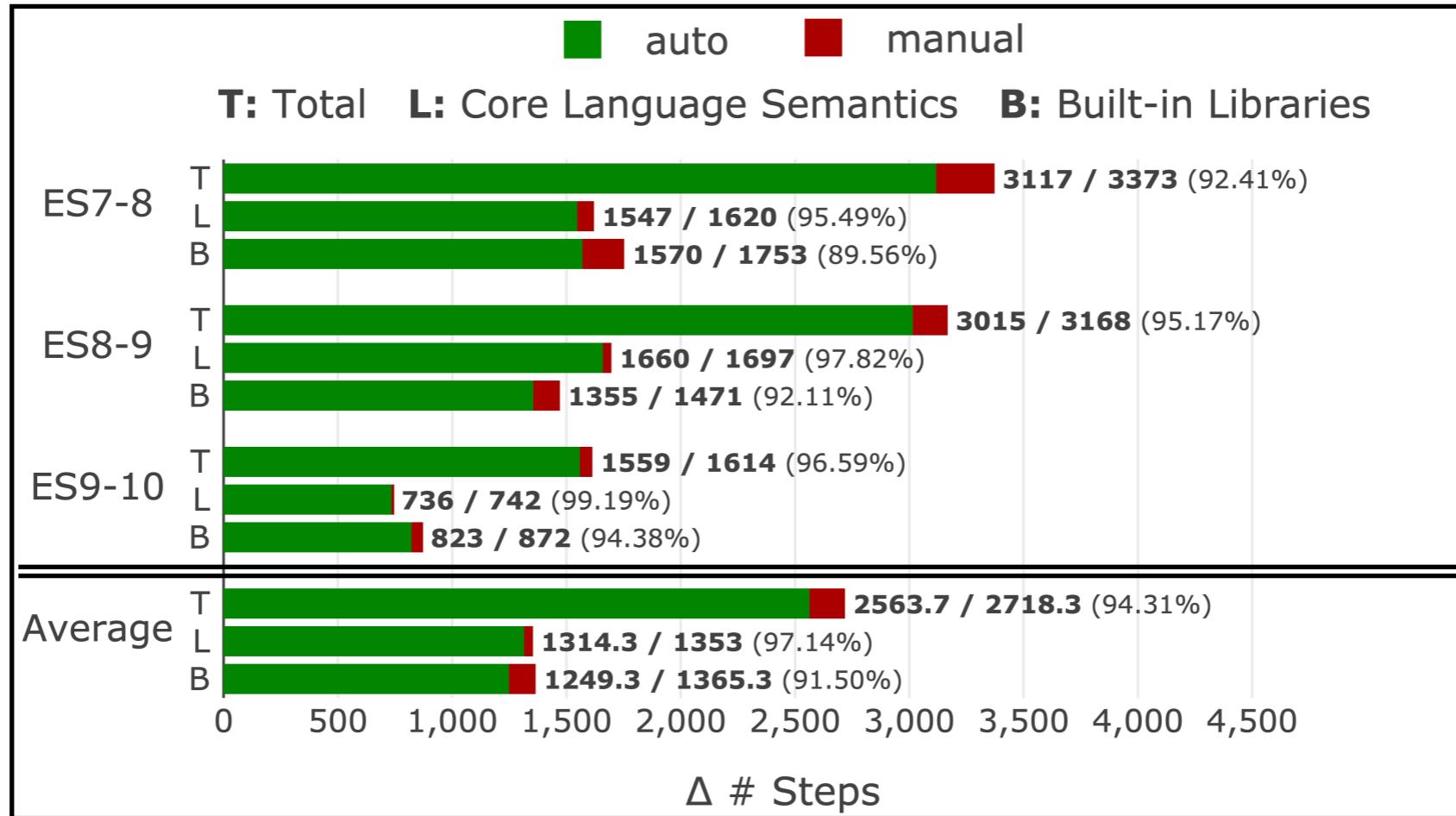
Let *result* be ? Call ( *exoticToPrim* , *input* , «







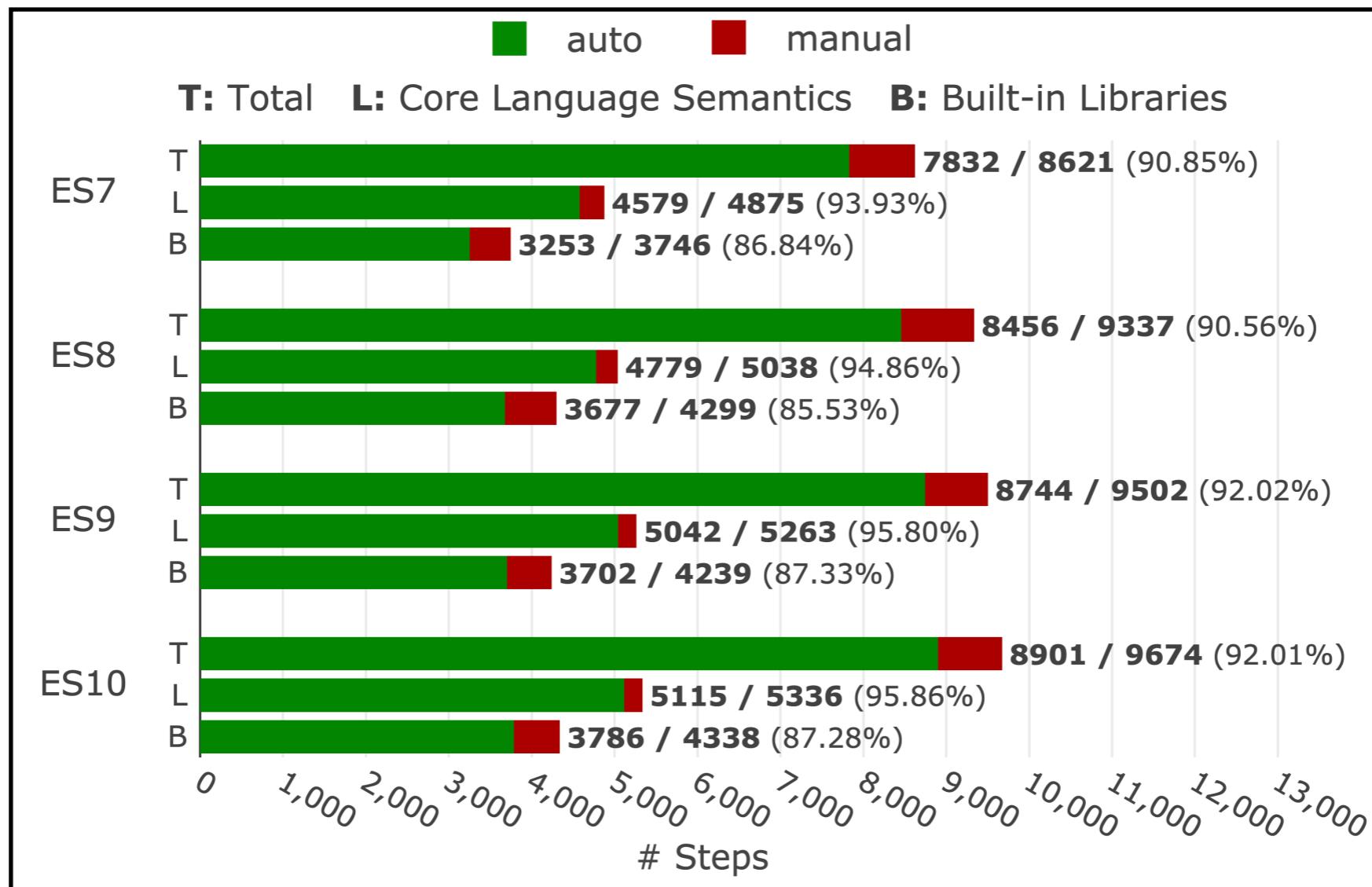


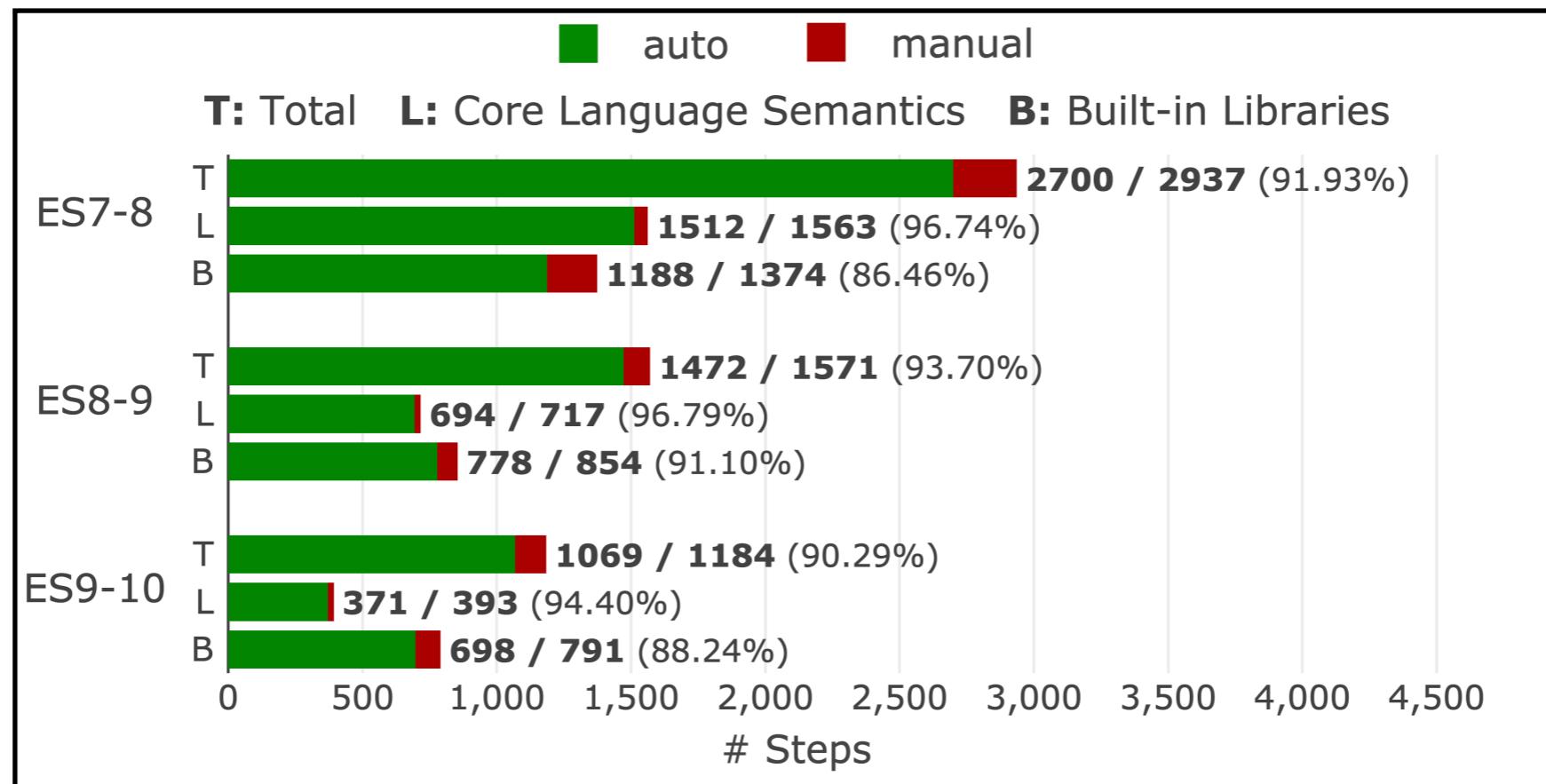


#### 25.6.4.5.1 PromiseResolve ( $C$ , $x$ )

1. **Assert:** Type( $C$ ) is Object.
2. If IsPromise( $x$ ) is true, then
  - a. Let  $xConstructor$  be ? Get( $x$ , "constructor").
  - b. If SameValue( $xConstructor$ ,  $C$ ) is true, return  $x$ .
3. Let  $promiseCapability$  be ? NewPromiseCapability( $C$ ).
4. Perform ? Call( $promiseCapability$ .[[Resolve]], **undefined**, «  $x$  »).
5. Return  $promiseCapability$ .[[Promise]].

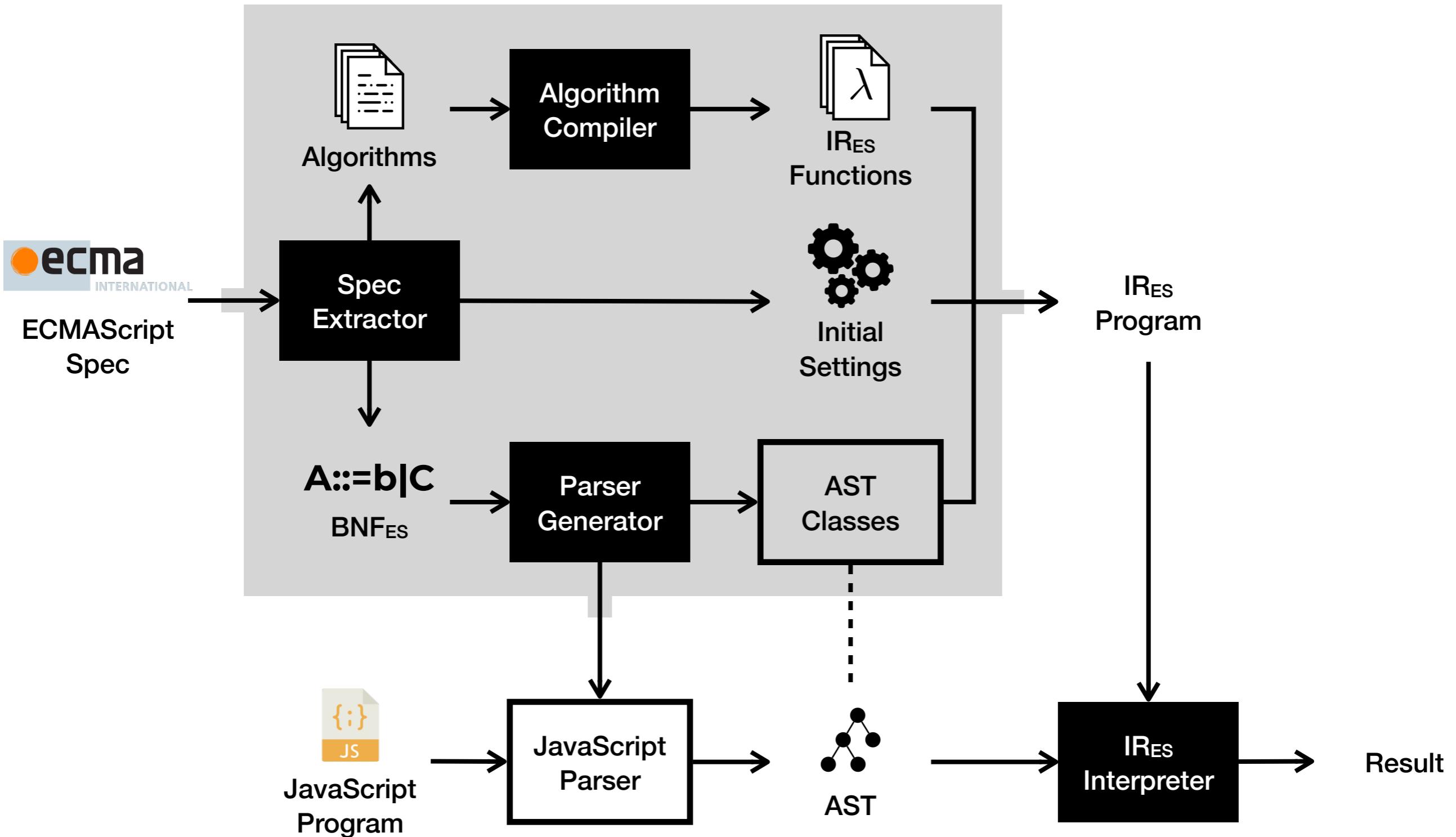








## Automatic Semantics Extractor (ASE)





ECMAScript  
Spec

Spec  
Extractor

manual

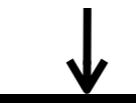
A::=b|C  
BNF<sub>ES</sub>

Section 3

JS Parser  
Generator



Algorithms



Compile  
Rules

Section 4

Algorithm  
Compiler



IR<sub>ES</sub>  
Functions

Initial  
Setting

