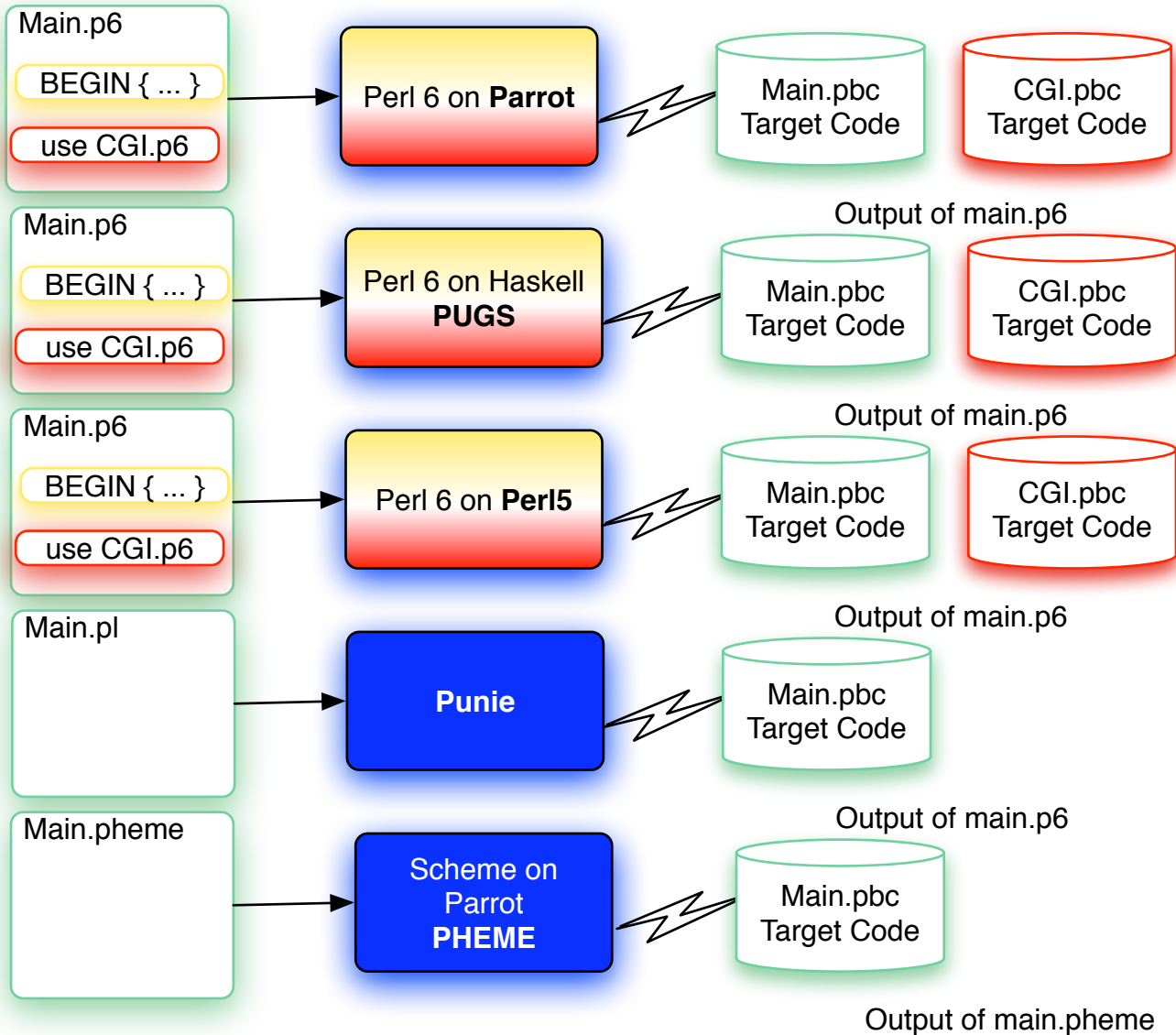


Perl 6 Compilation Overview



GOAL 1:
Demonstrate the
Doctrine of separate compilation

Goal 2:
Demonstrate the defining feature of Perl
Interleaved Parse Execution Cycle

GOAL 3:
Demonstrate quantity of differentiated
parsers

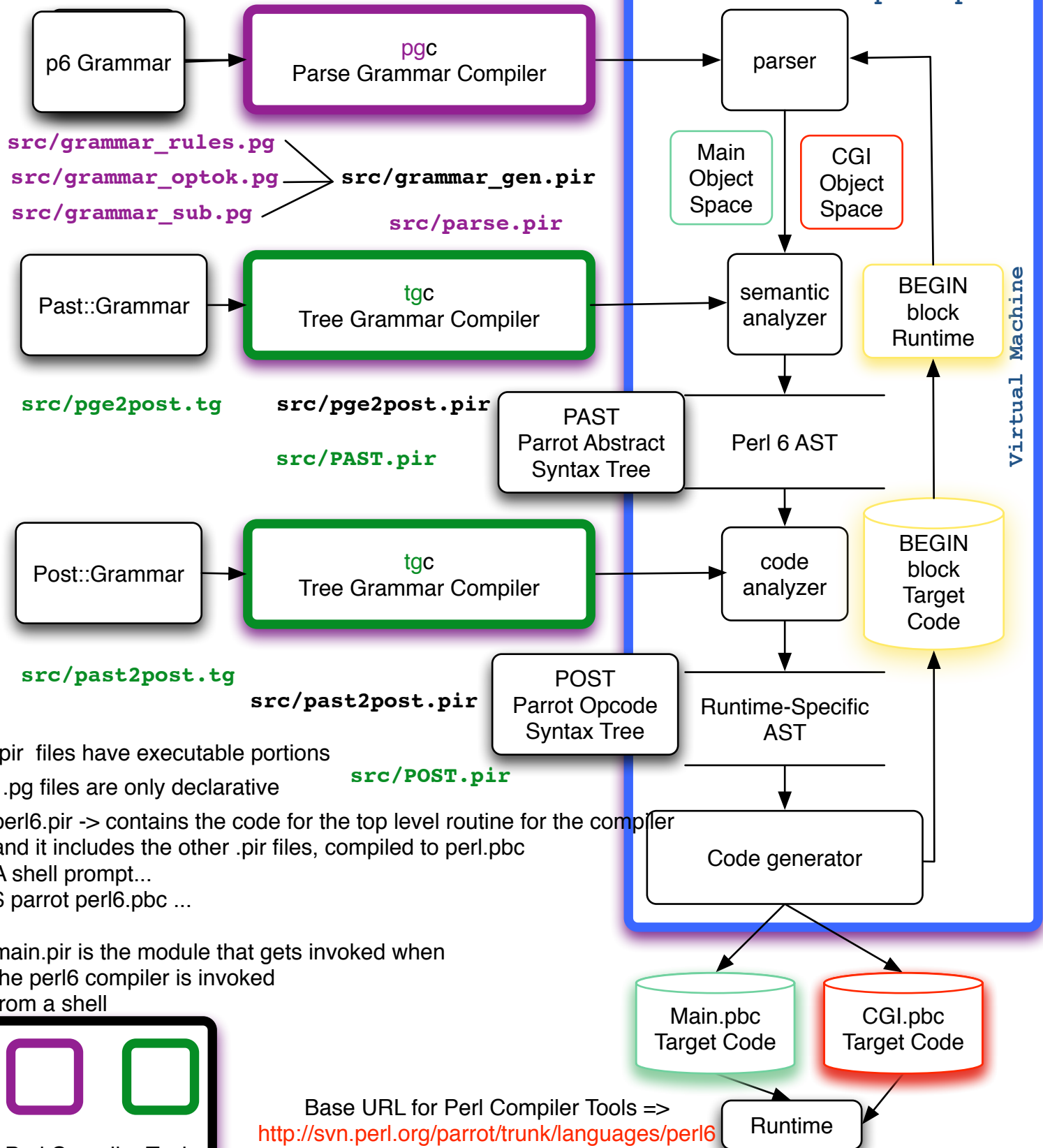
GOAL 4:
Demonstrate the **benefits** of the
Tree Compiler

GOAL 5:
Demonstrate **specifics** of the Tree
Grammar compilation

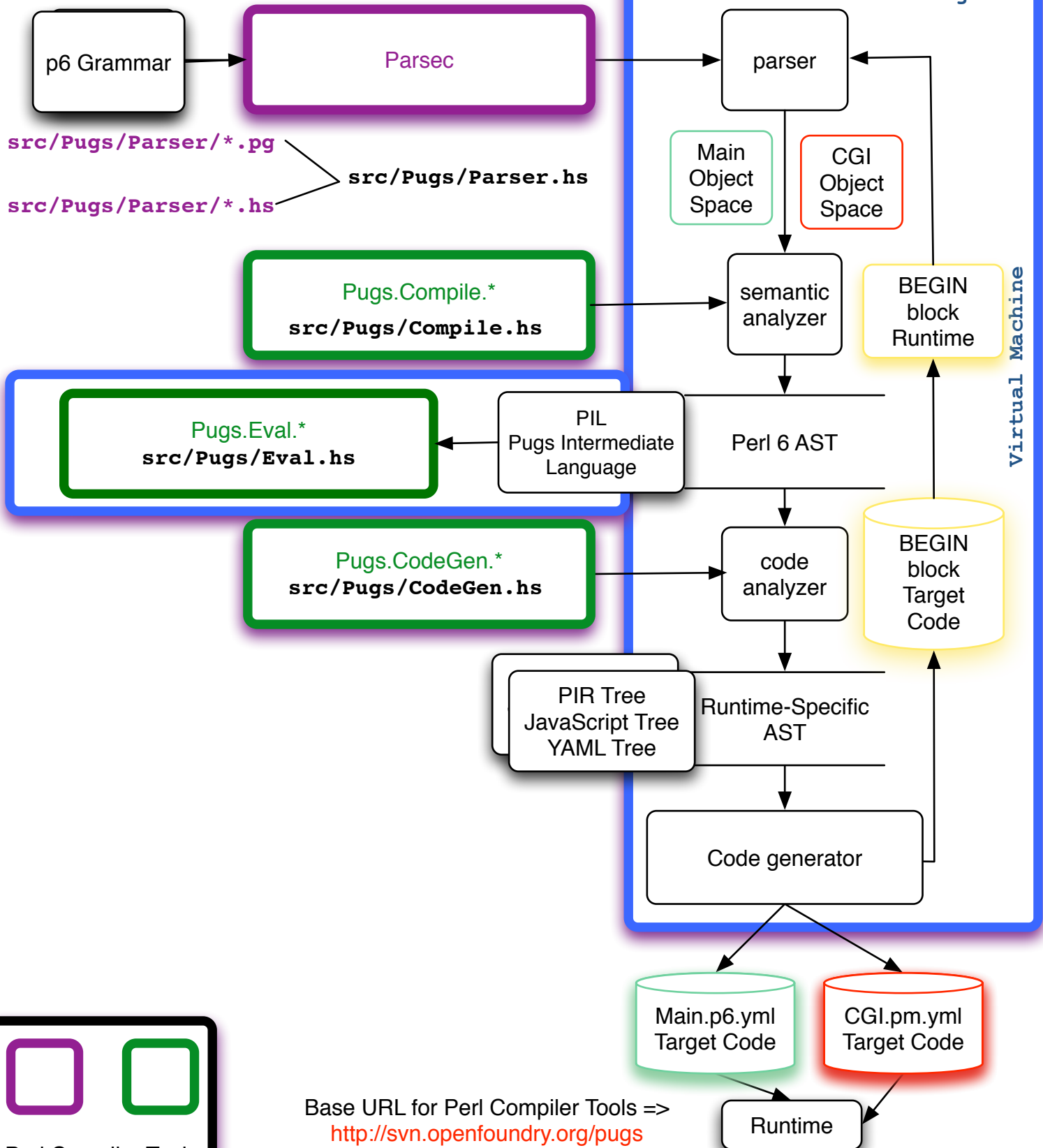
5

4

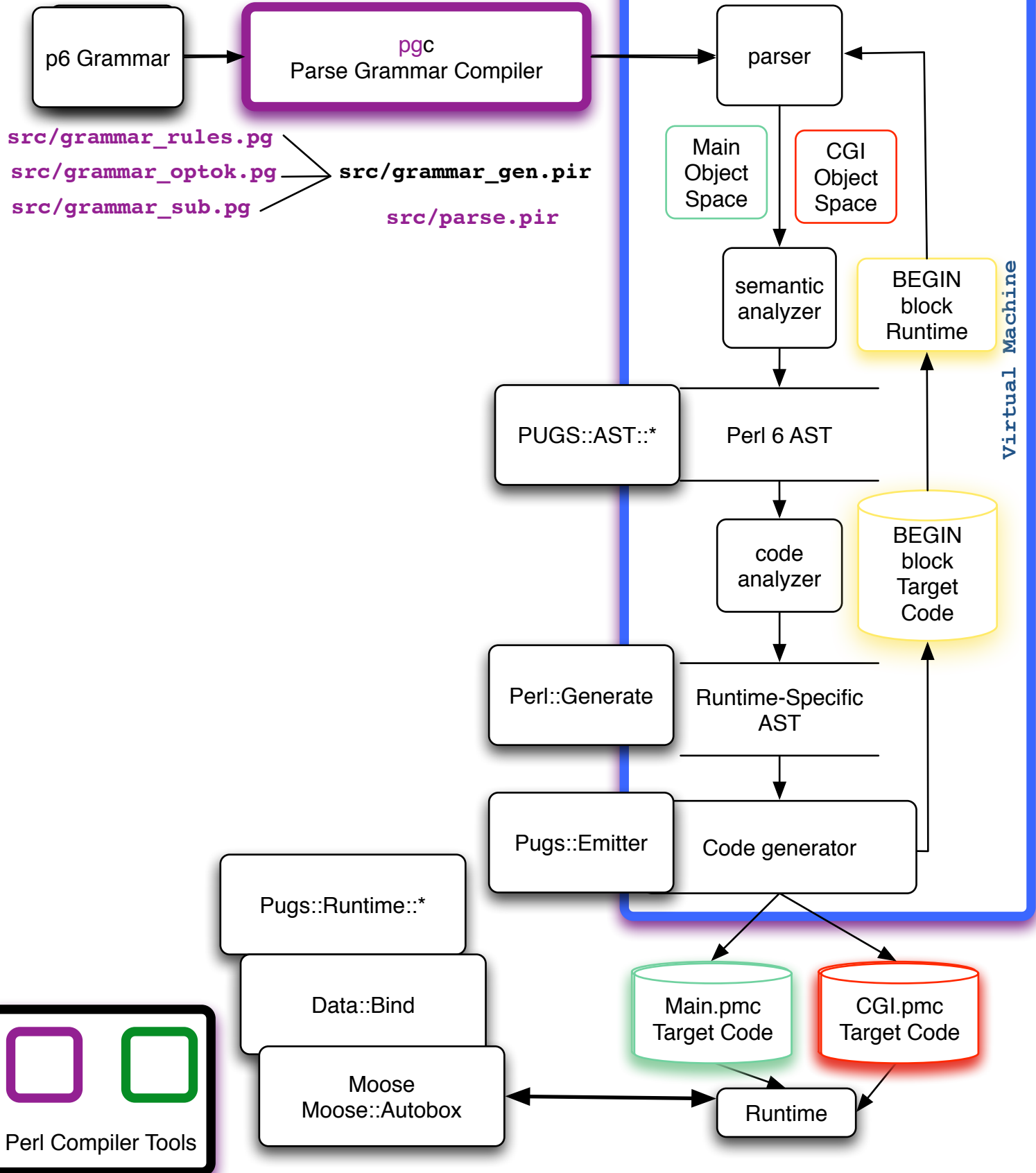
Perl 6 on Parrot



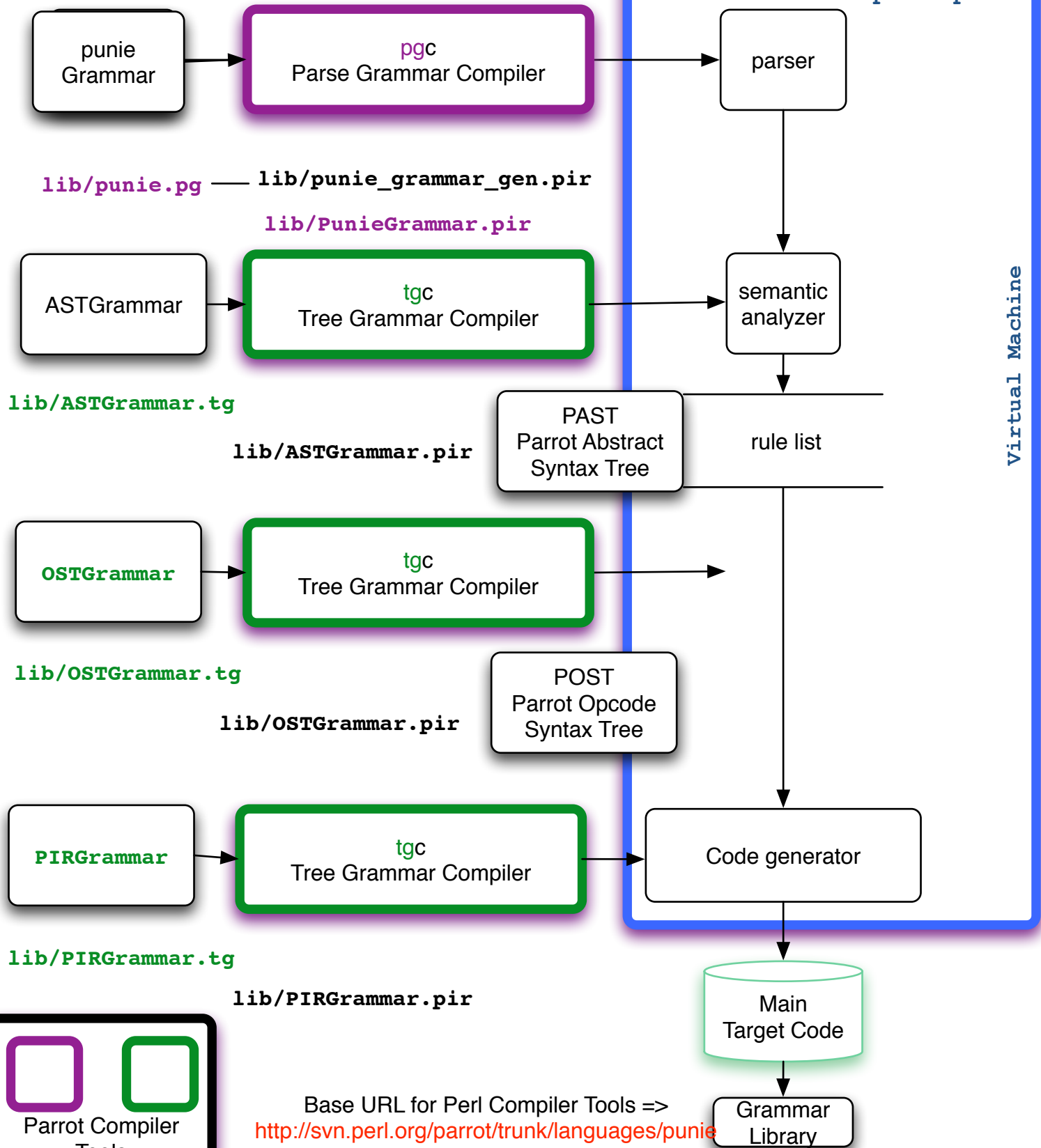
Perl 6 on Haskell == Pugs



Perl 6 on Perl 5



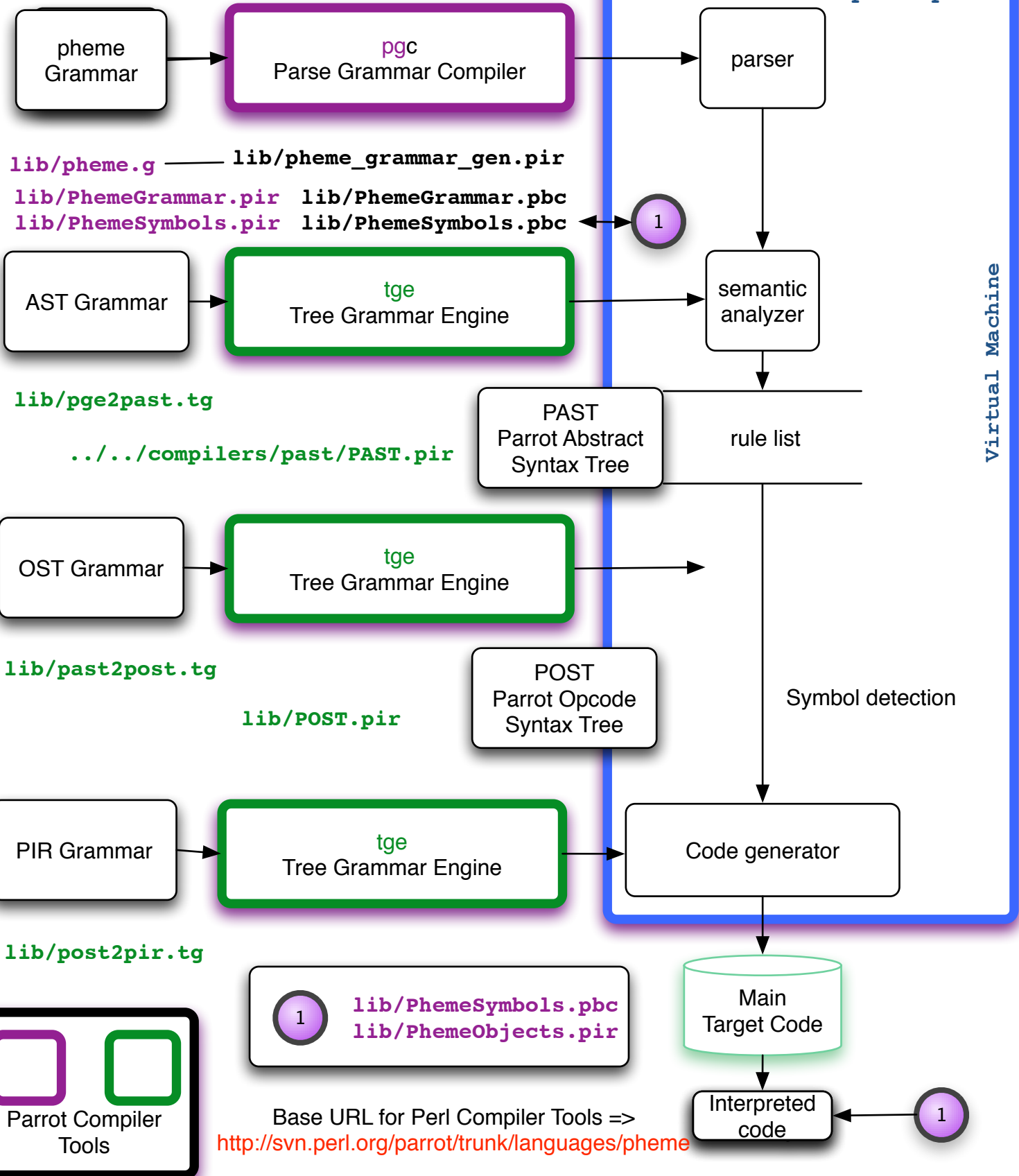
Punie



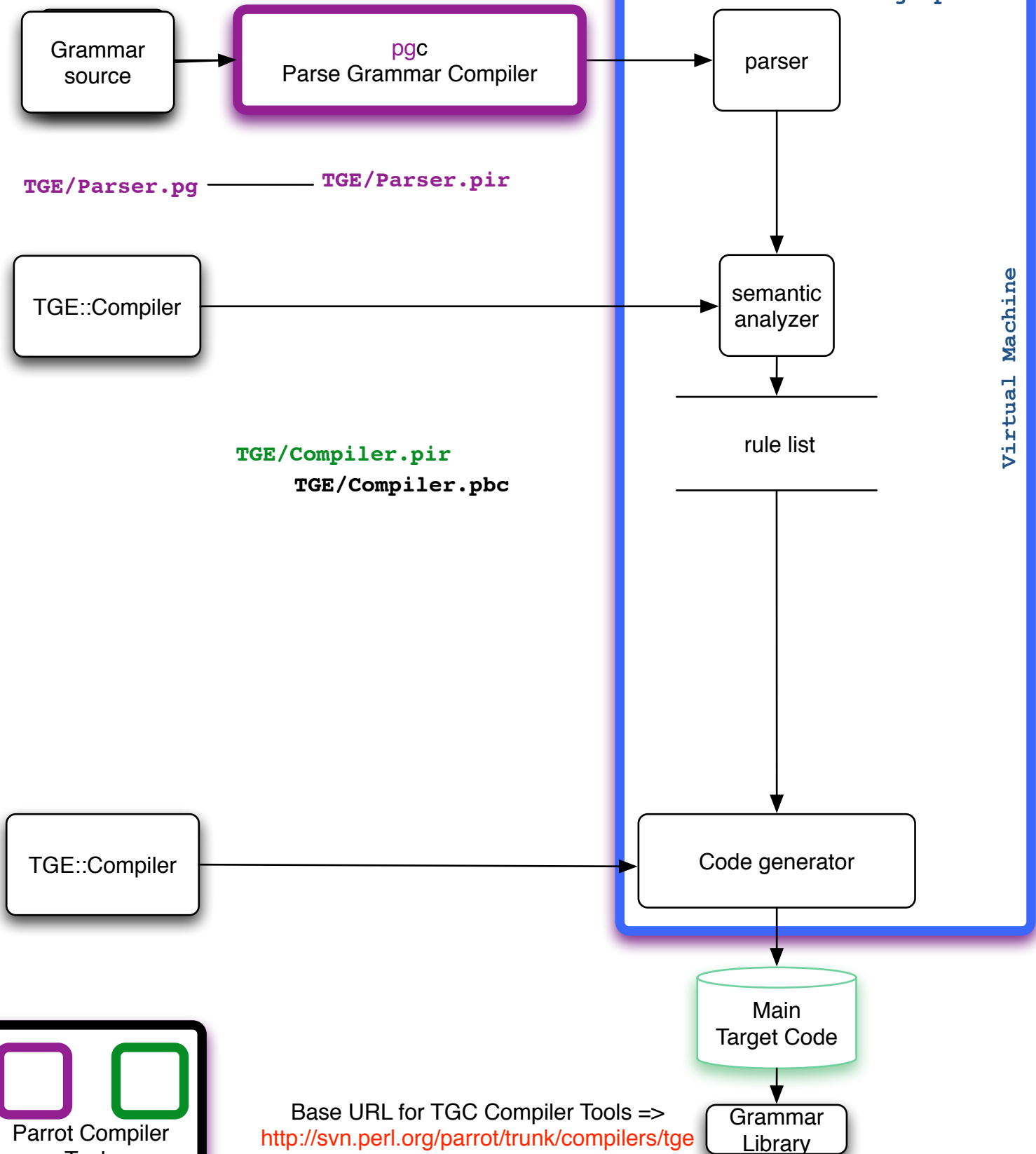
PHEME (Parrot based Scheme)

lib/pheme_compiler.pir

pheme.pbc



Tree Grammar Compilation



Tree Grammar Compiler Benefits

AST to OST operations by project

Allison Randal: Punie

1. Reordering nested subroutines outside any containing subroutine
2. Simplifying complex expressions into a series of single operator expressions
3. Simplifying the handling of conditionals, such as if ... then ... else

chromatic: PHEME

1. Find names of functions
2. Within functions, find variable names for functions