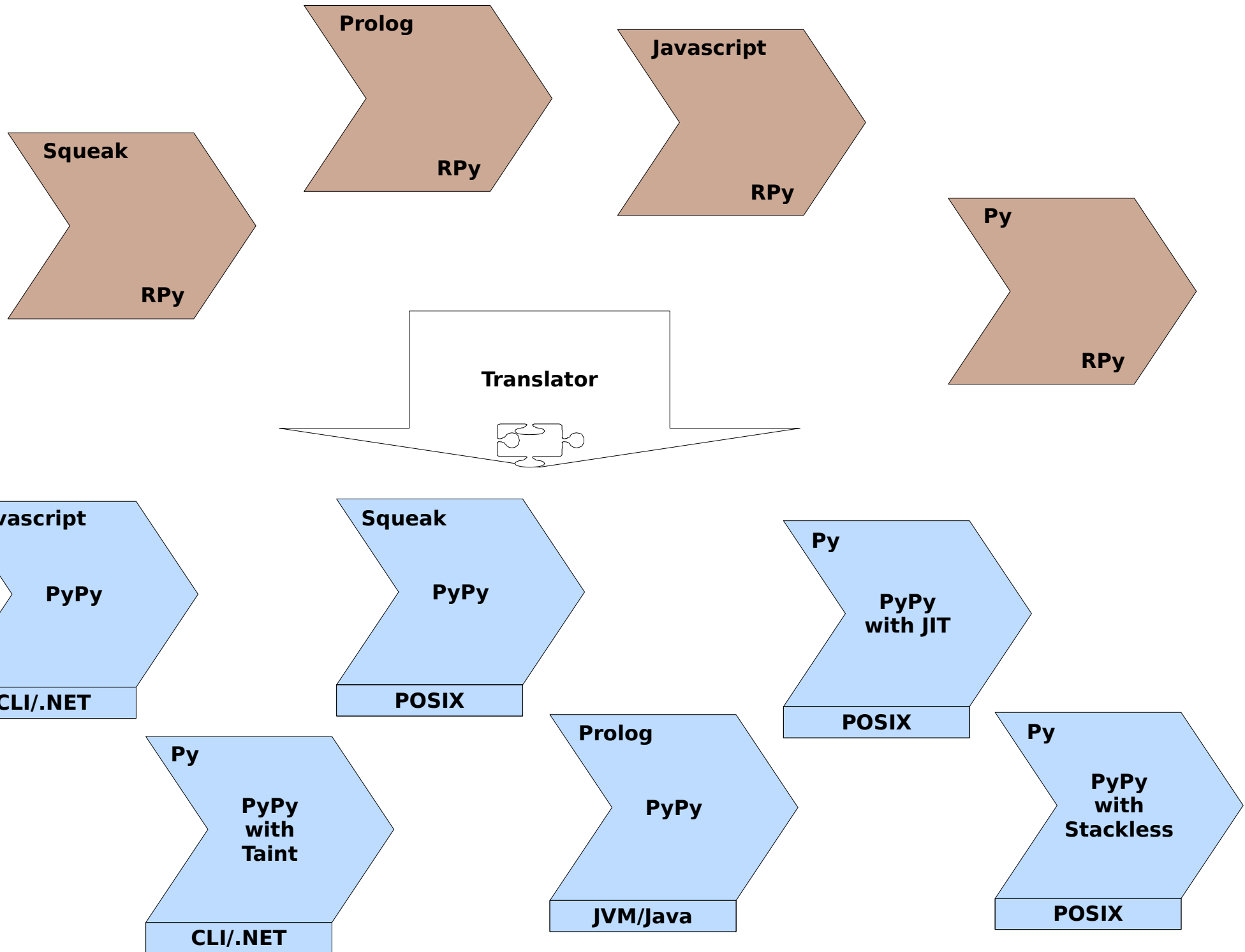


# PyPy

## **The Art of Generating Virtual Machines**

Samuele Pedroni Laura Creighton  
Armin Rigo Jacob Hallén

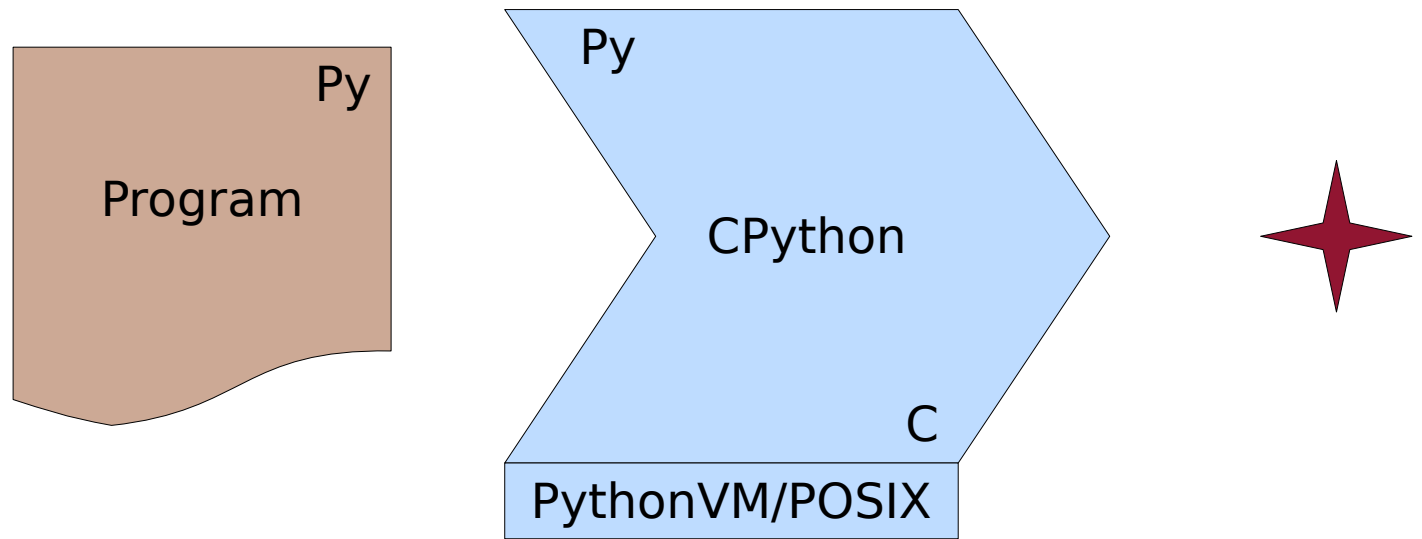
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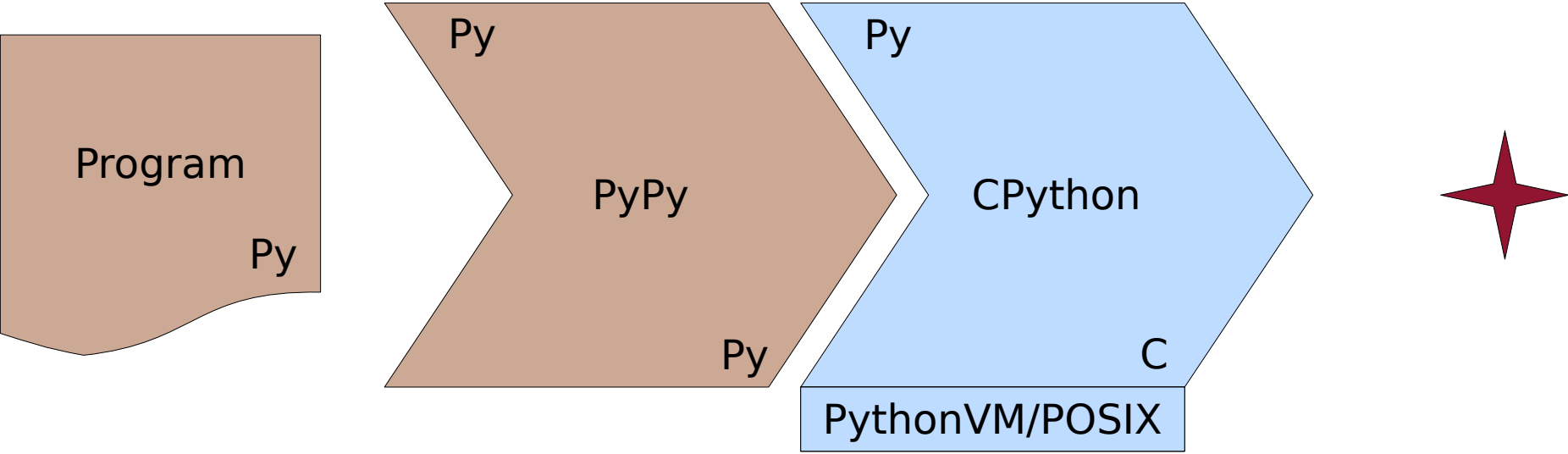


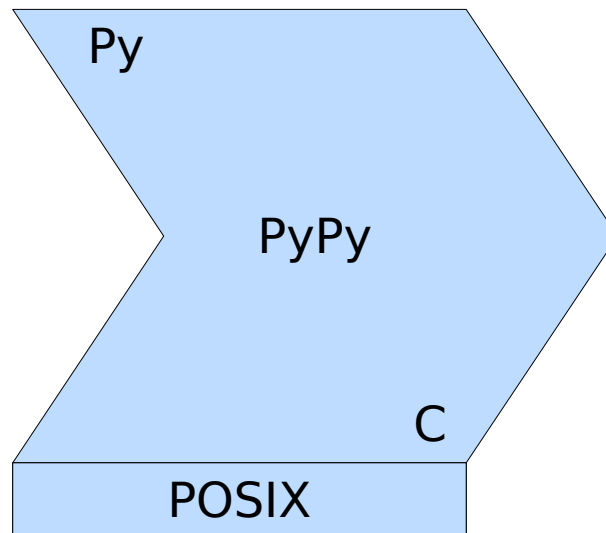
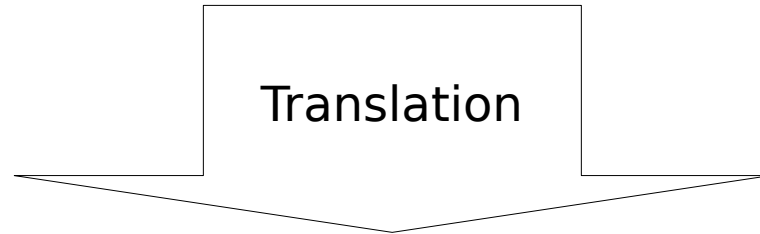
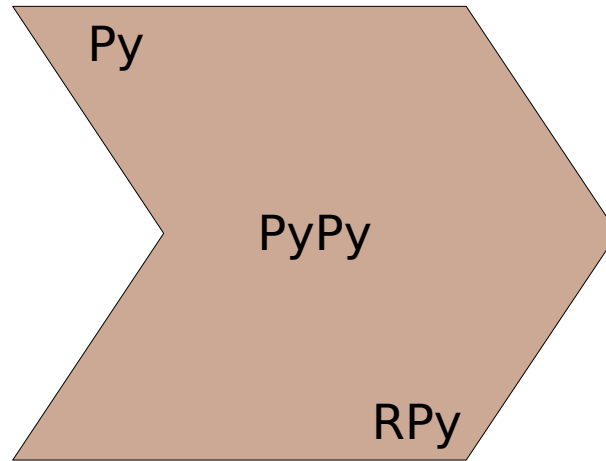


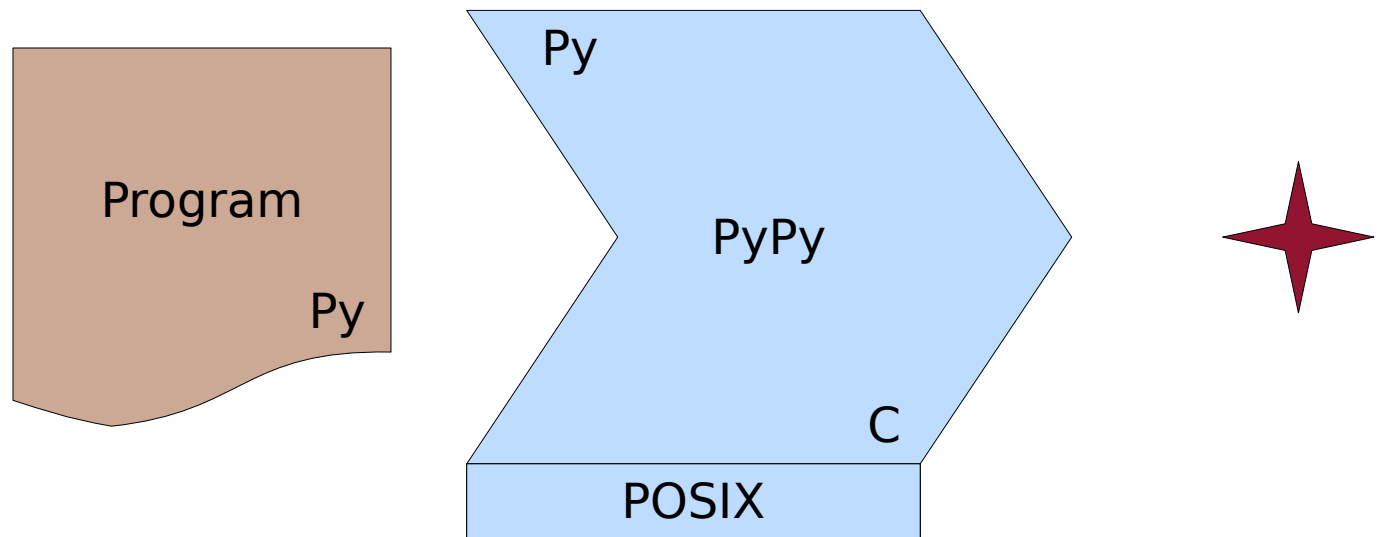
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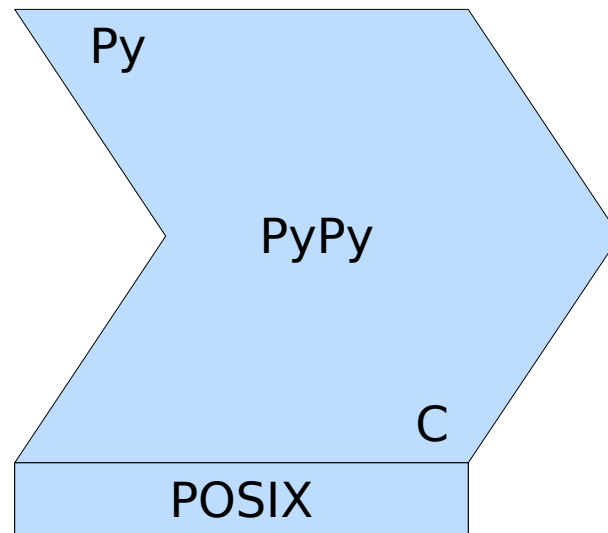
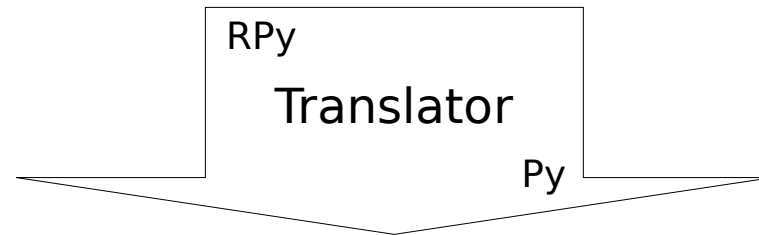
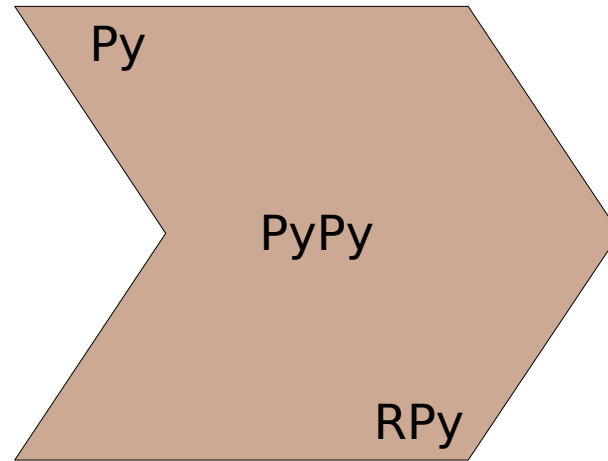
## **Architecture**



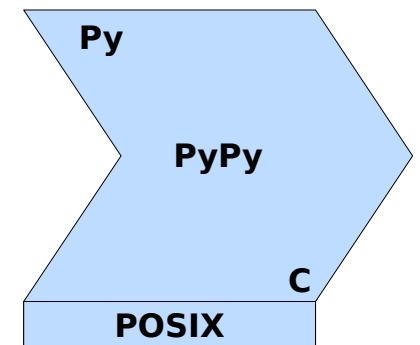
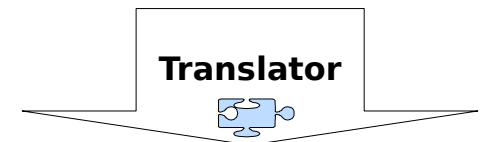
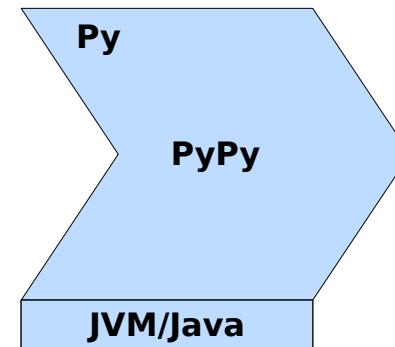
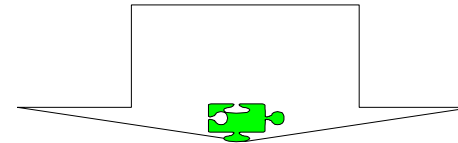
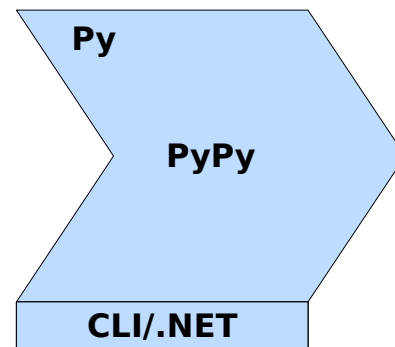
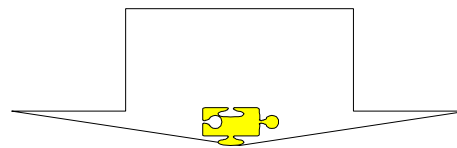
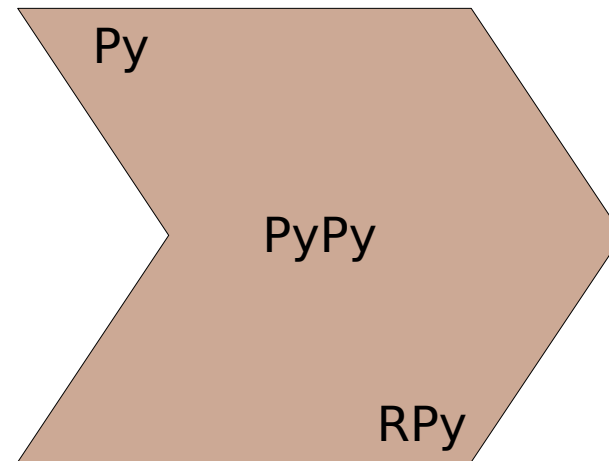


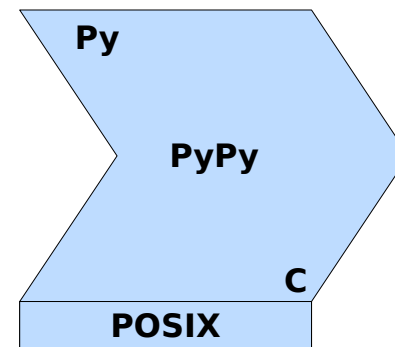
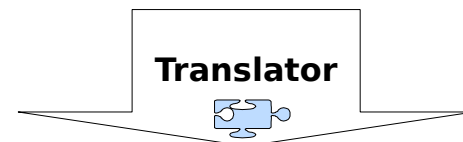
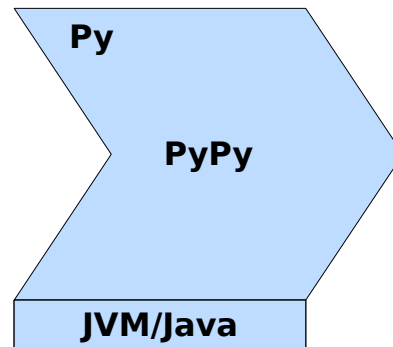
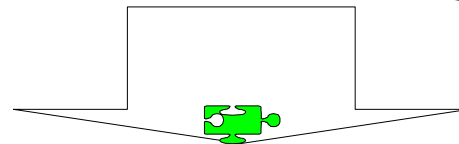
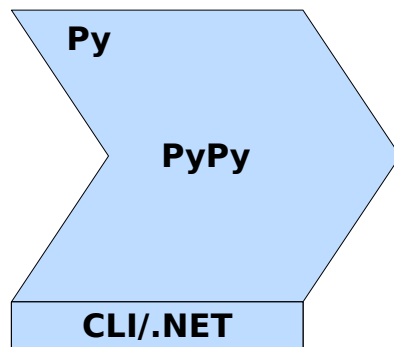
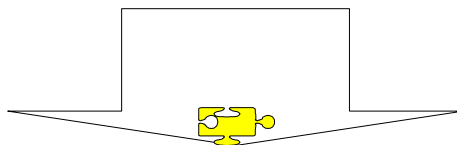
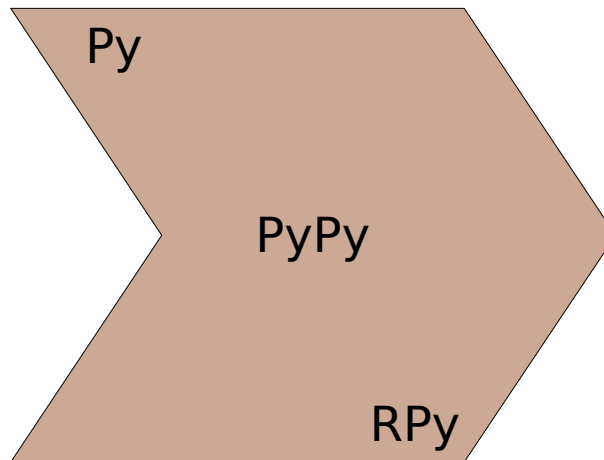
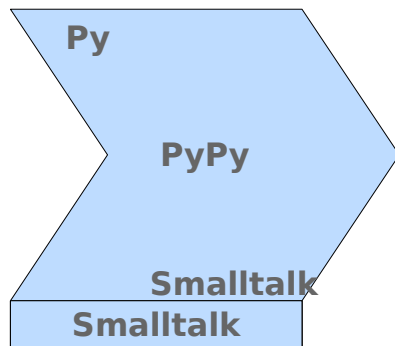
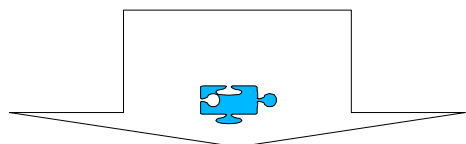
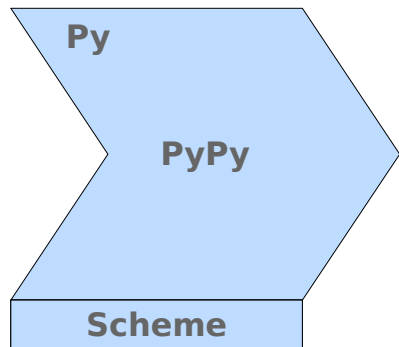
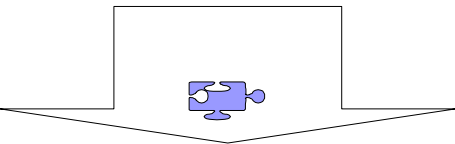


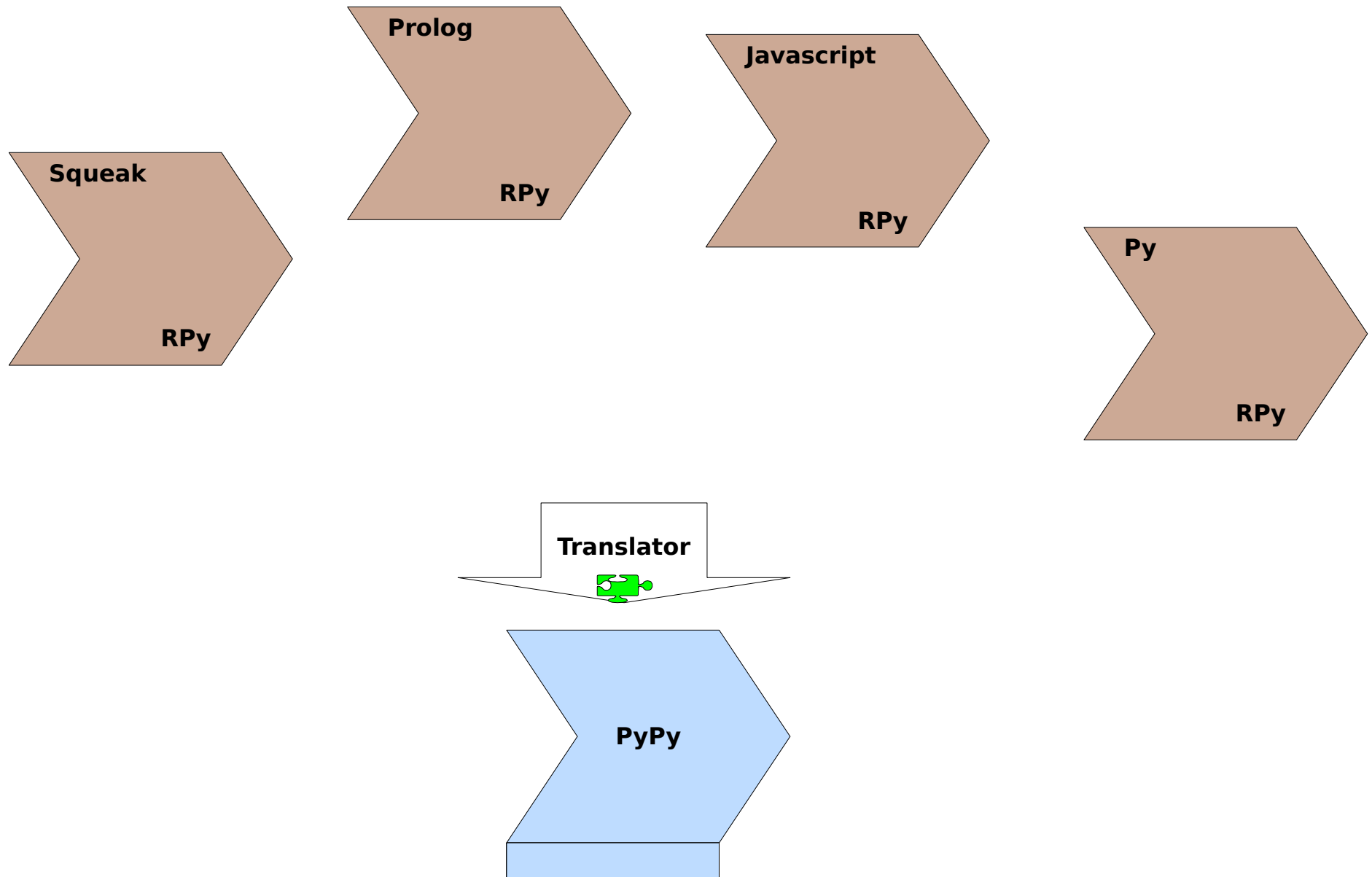


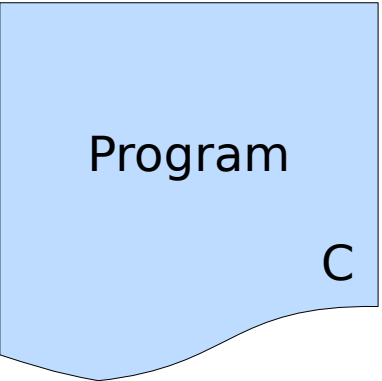
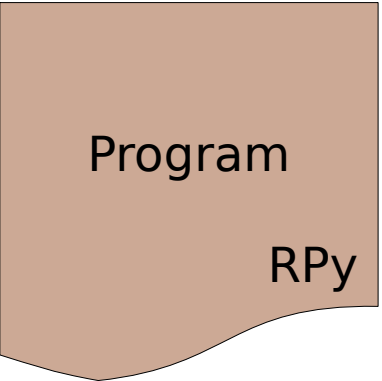


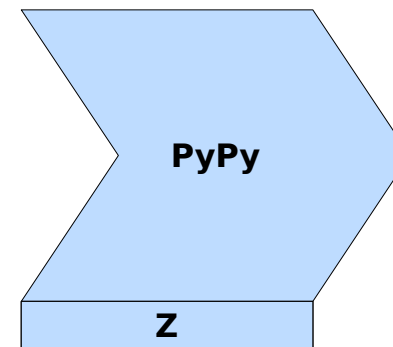
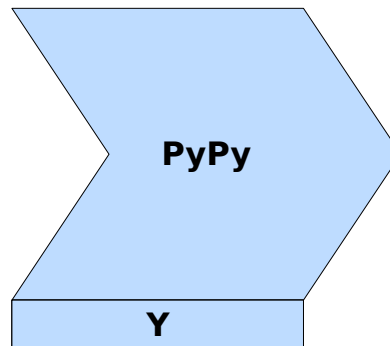
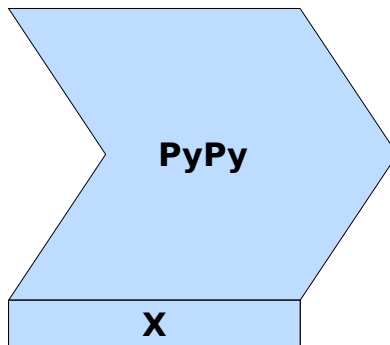
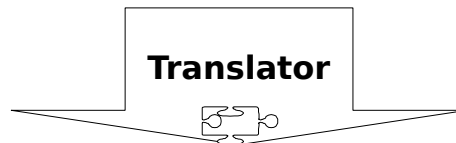
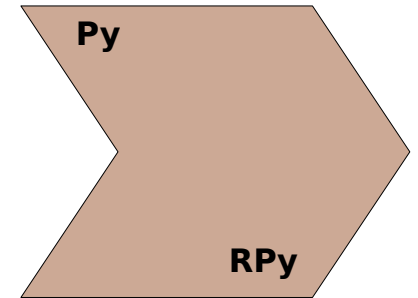
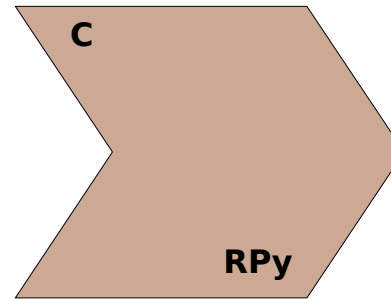
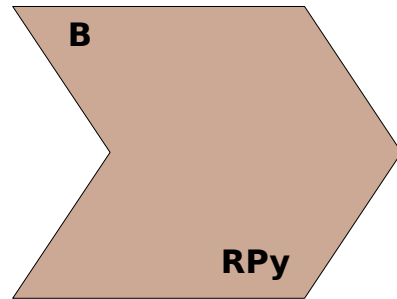
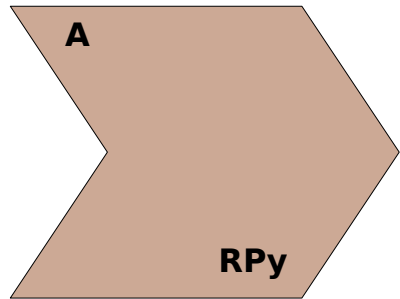










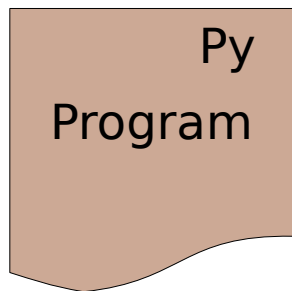




**Py**

**A look inside  
the interpreter**

**RPy**



Compiler

A dark red arrow pointing downwards, representing the compilation step.

Bytecode

A blue icon with a wavy bottom edge, representing compiled bytecode.

**API**

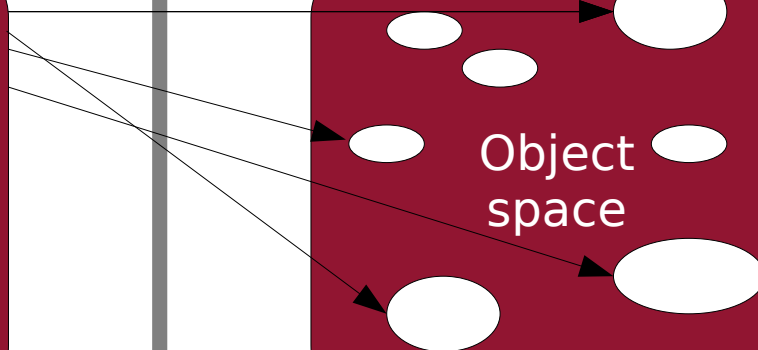
A vertical grey line representing the Application Programming Interface boundary.

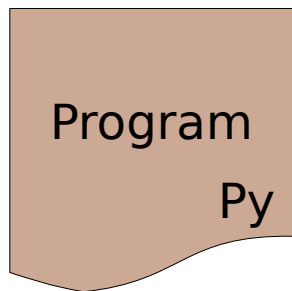
Bytecode  
interpreter

A dark red rounded rectangle representing the bytecode interpreter.

Object  
space

A dark red rounded rectangle containing several white oval shapes, representing the object space.





Compiler

Bytecode

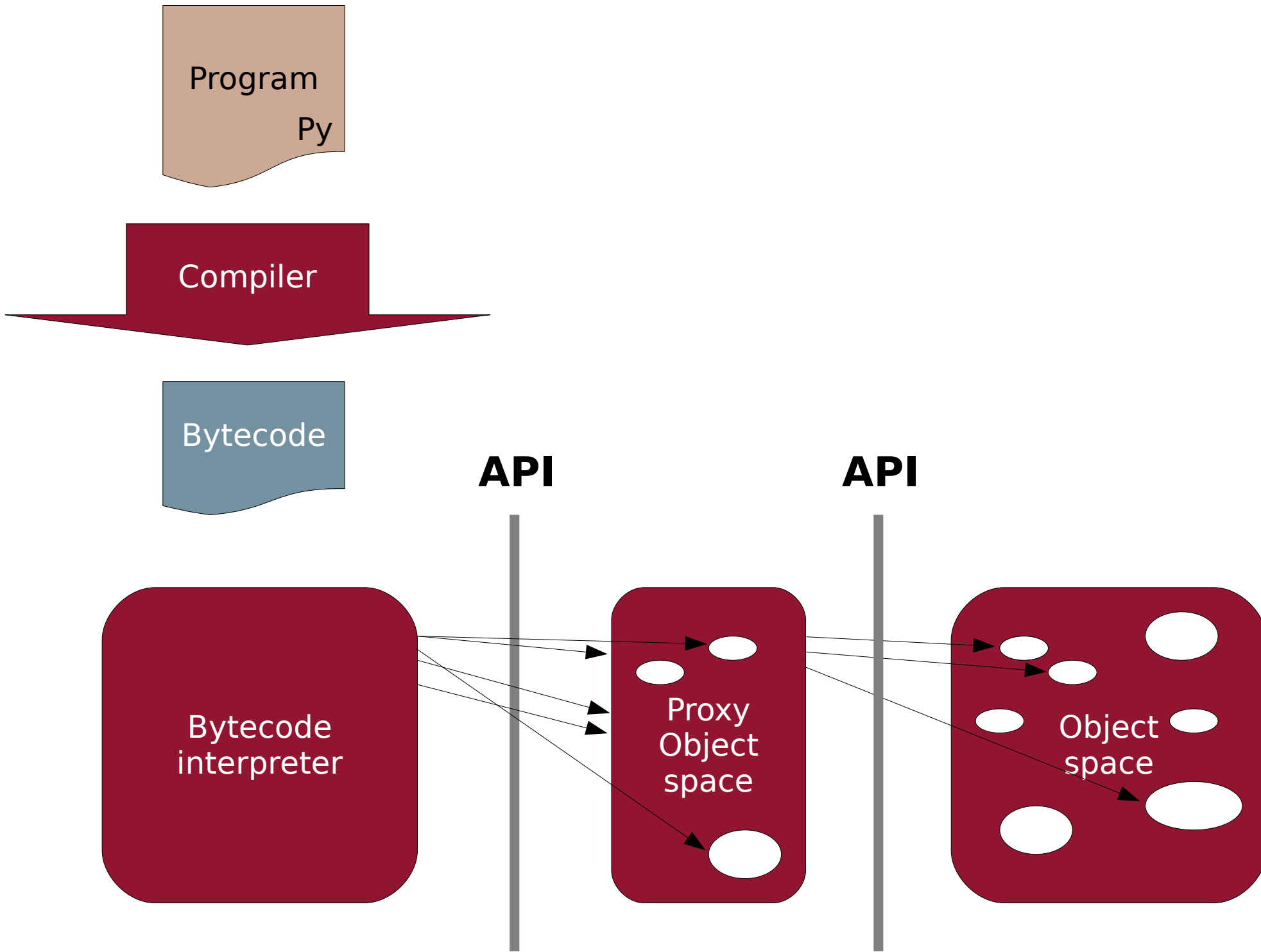
**API**

**API**

Bytecode  
interpreter

Proxy  
Object  
space

Object  
space





**Py**

A look inside  
the translator

**RPy**

