# *Scheduling of a Cyber-Physical System Simulation*

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# Presentation of the allocation tool

*Design and implementation of the solution*

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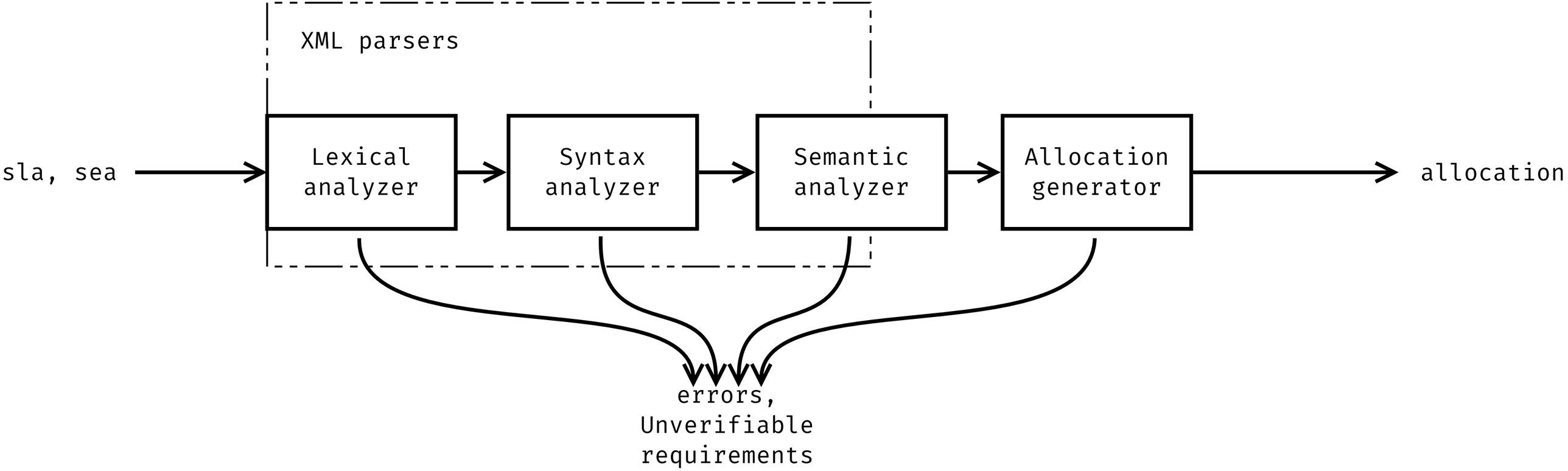
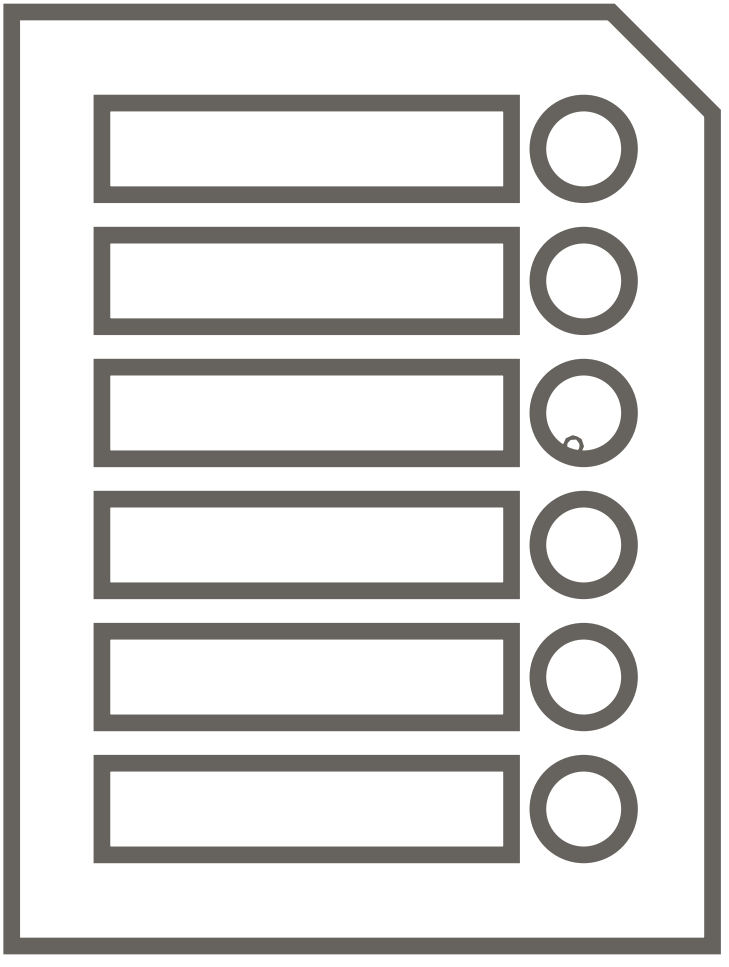
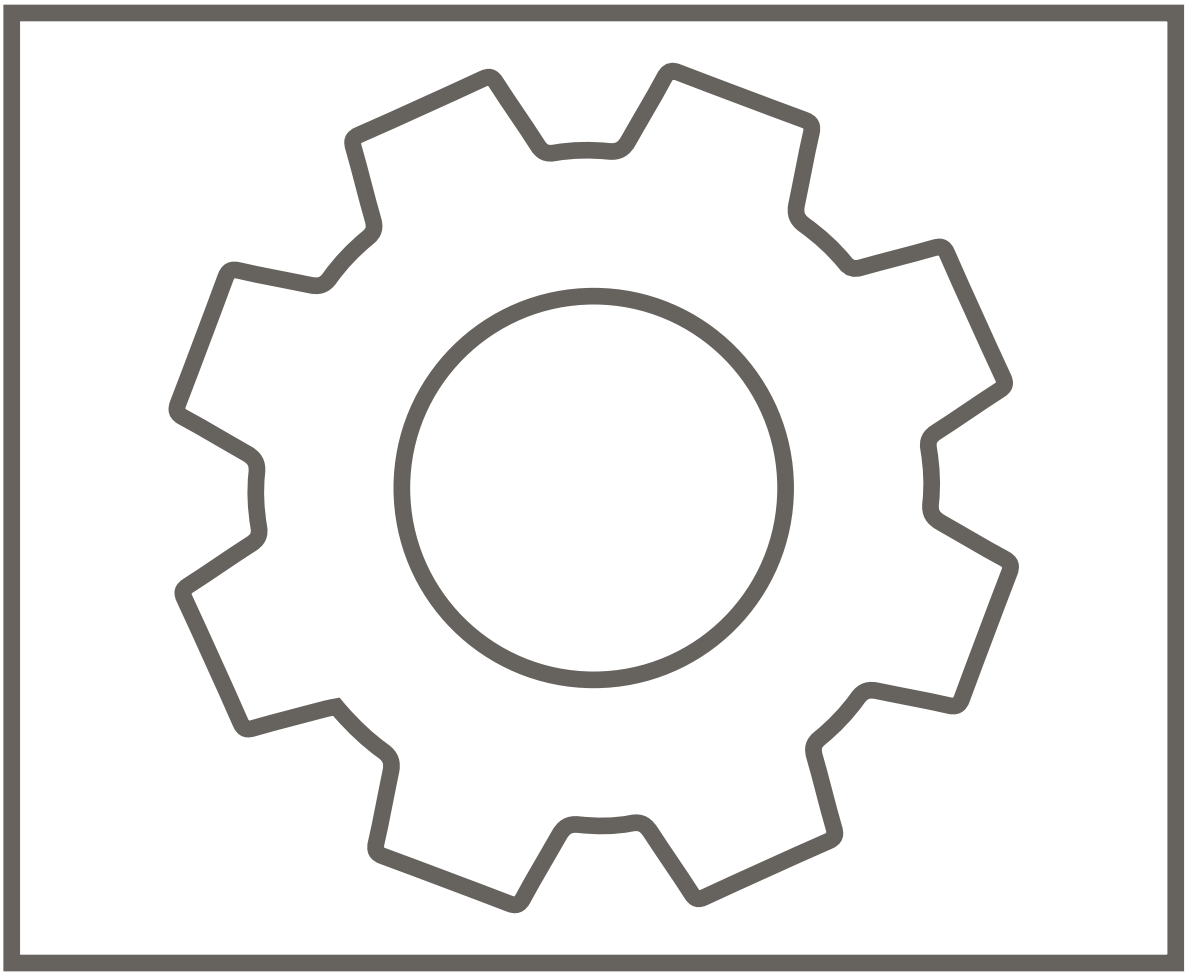
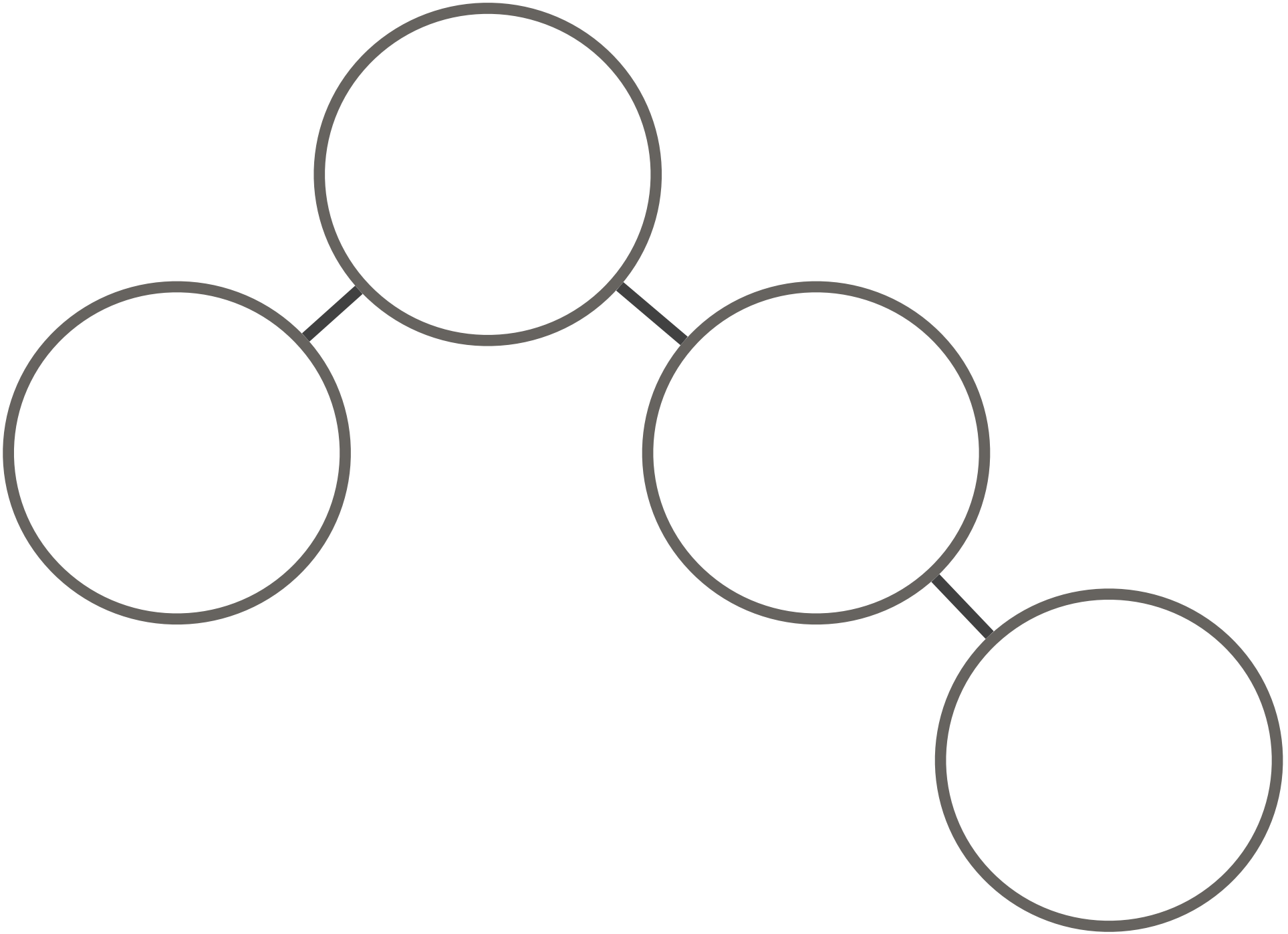
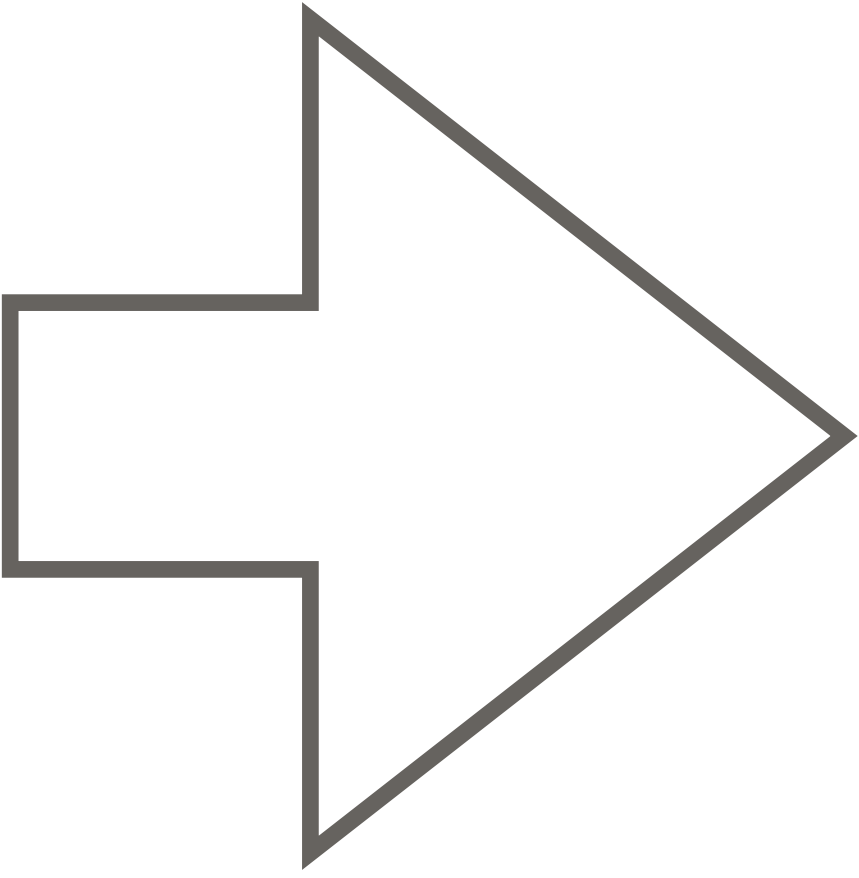
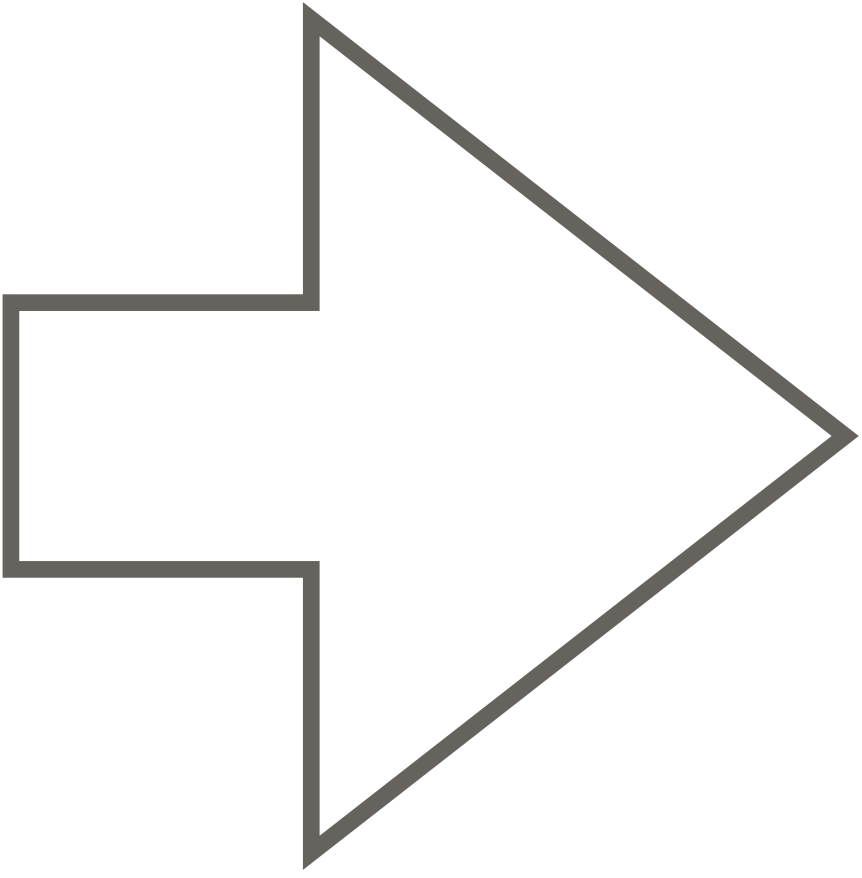

XML parsers
sla, sea
Lexical analyzer
Syntax analyzer
Semantic analyzer
Allocation generator
allocation
errors,
Unverifiable
requirements







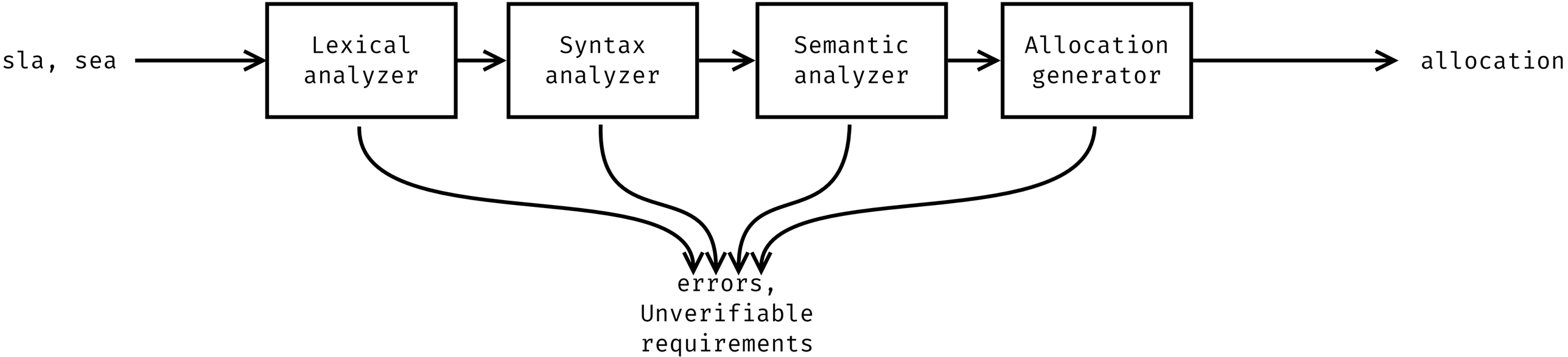




XML

# Parser

# DOM tree


sla, sea
Lexical analyzer
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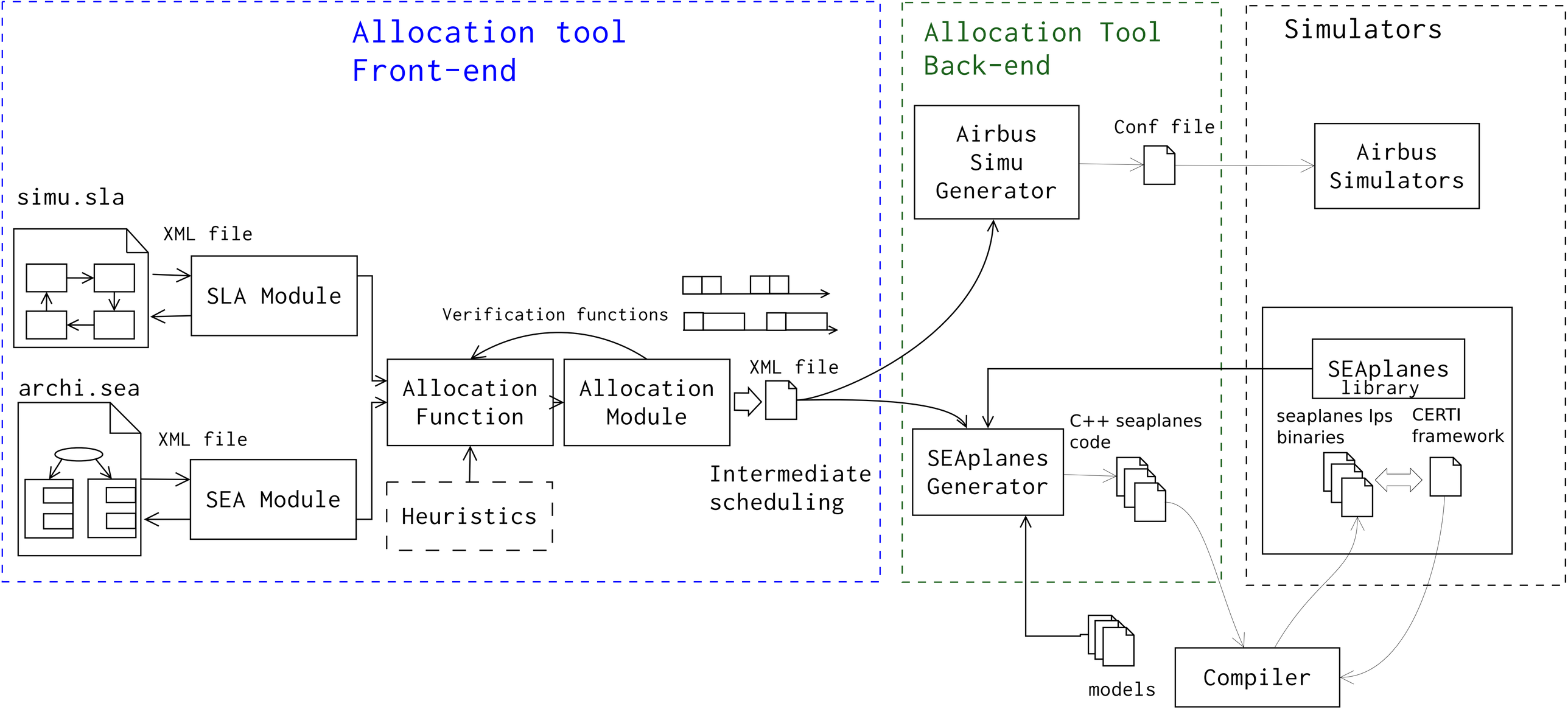
allocation
errors, Unverifiable requirements


Allocation tool
Front-end
Allocation Tool
Back-end
Simulators
simu.sla
XML file
SLA Module
archi.sea
XML file
SEA Module
Verification functions
Allocation
Function
Allocation
Module
XML file
Heuristics
Intermediate
scheduling
Airbus
Simu
Generator
Conf file
Airbus
Simulators
SEAplanes
library
seaplanes lps
binaries
CERTI
framework
SEAplanes
Generator
C++ seaplanes
code
models
Compiler

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