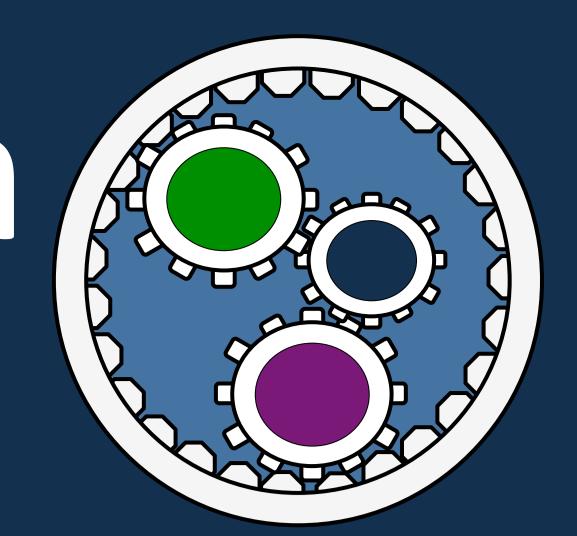
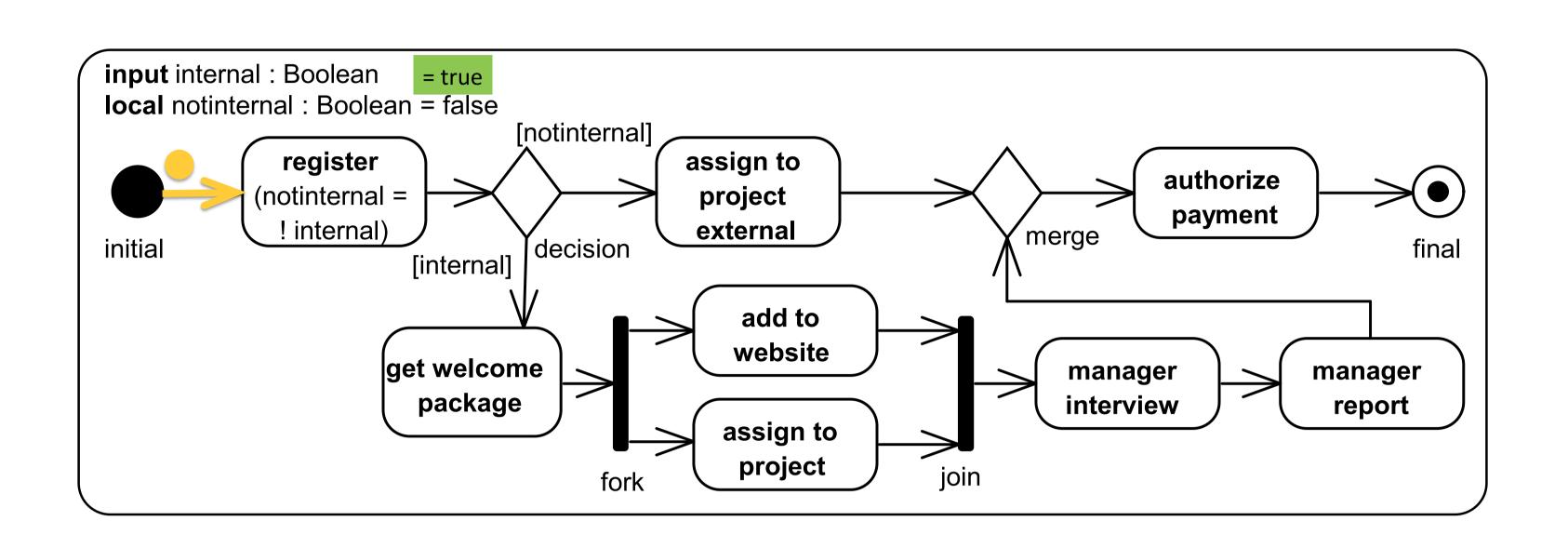
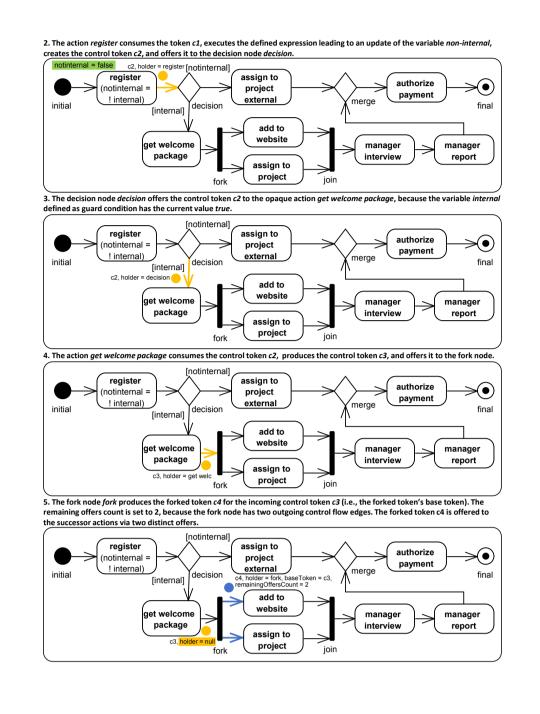
fUML Activity Diagrams with RAG-controlled rewriting

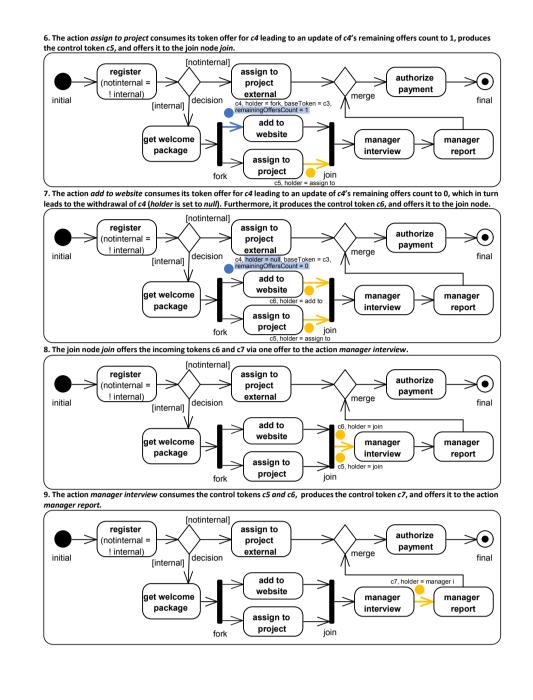


A RACR solution of the 8th Transformation Tool Contest

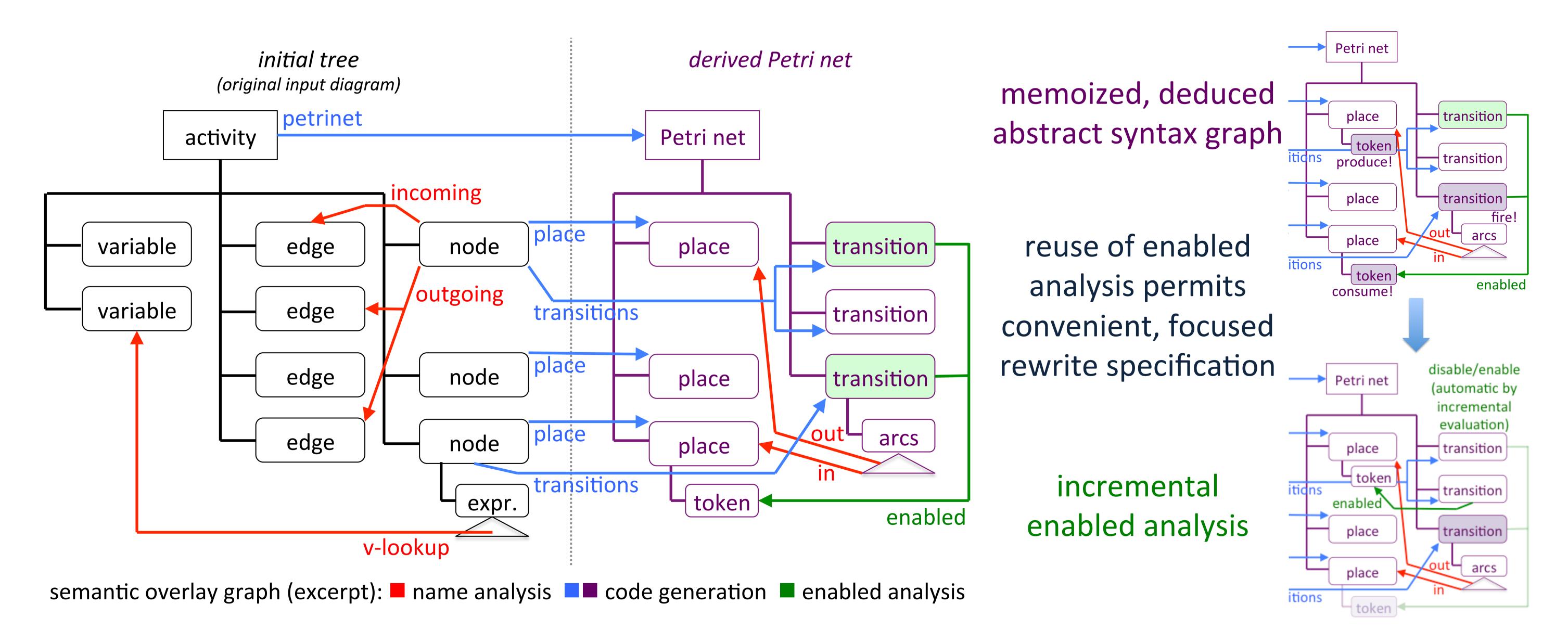
TTC 2015 task: execution of fUML Activity Diagrams.







RACR solution: diagram to Petri net interpreter, uses a reference attribute grammar to deduce memoized abstract syntax graph well-suited for execution by rewriting.



RAG-controlled rewriting: declarative, seamless combination of reference attribute grammars & graph rewriting (*RACR*: reference implementation, *Scheme* library).

- transformation-aware RAG-based analyses (incremental evaluation) ← ________ mutual control
- analyse-aware rewrite-based transformations (analyses deduce rewrites) mutual control



