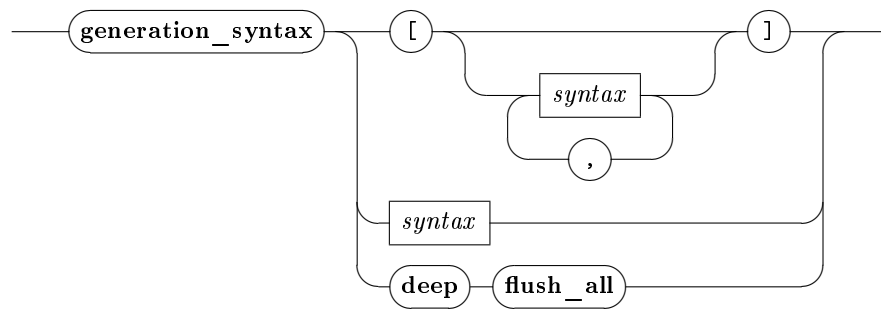


Contents

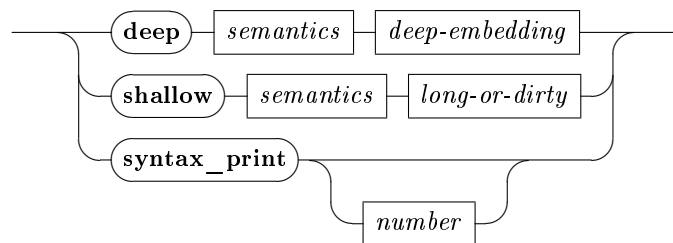
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0.0.1 The Meta Compiler

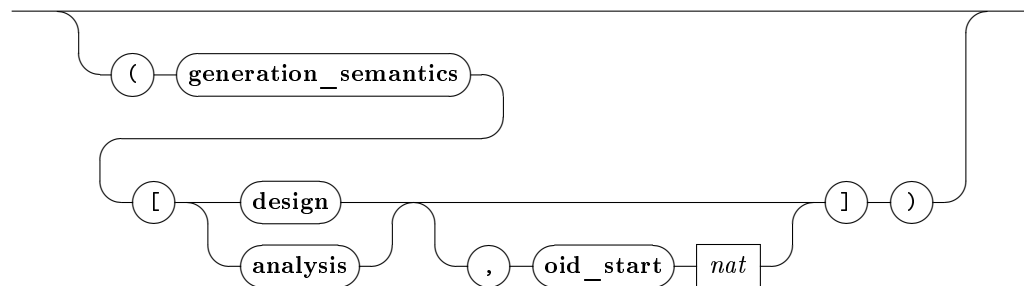
generation-syntax : $theory \rightarrow theory$



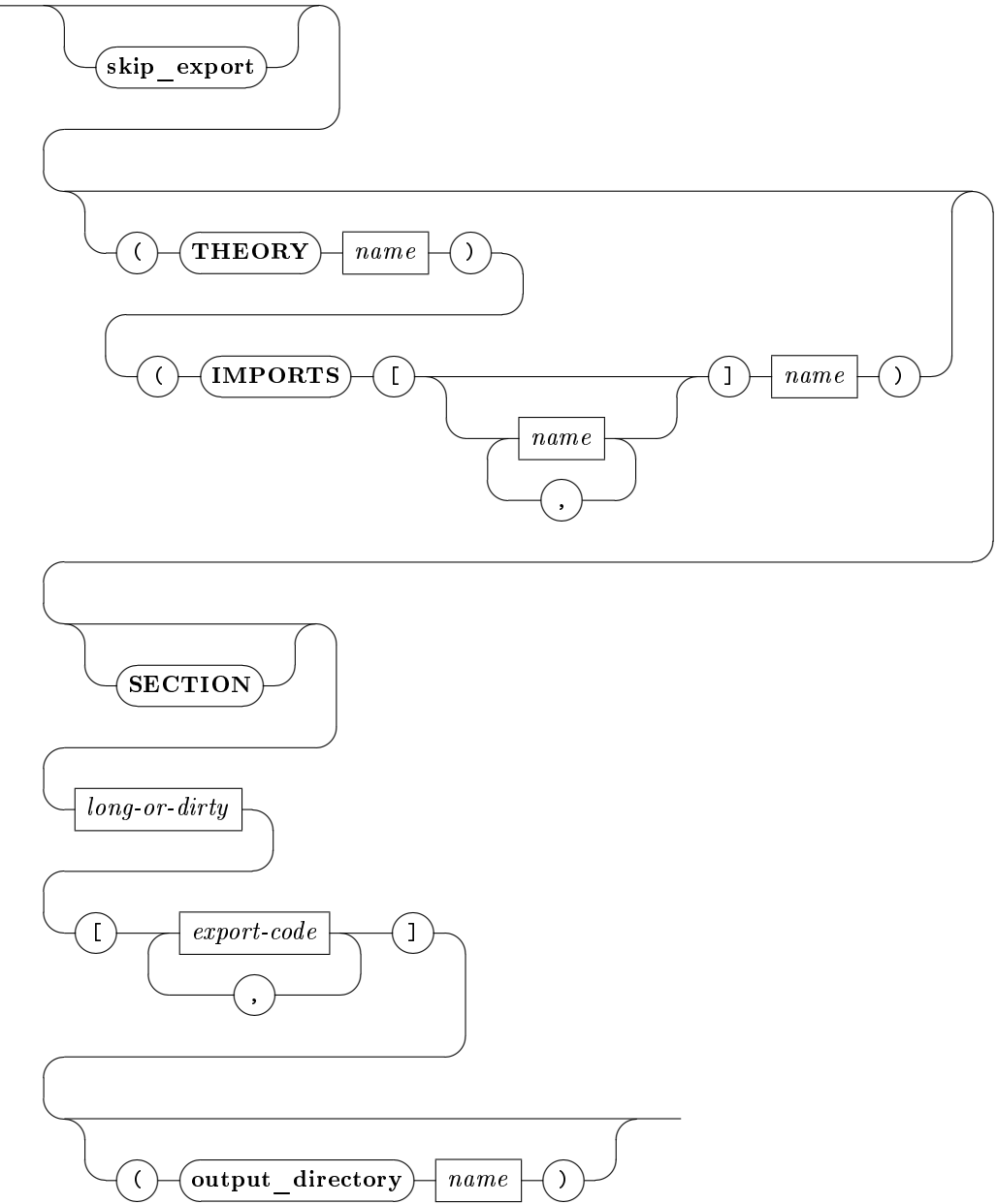
syntax



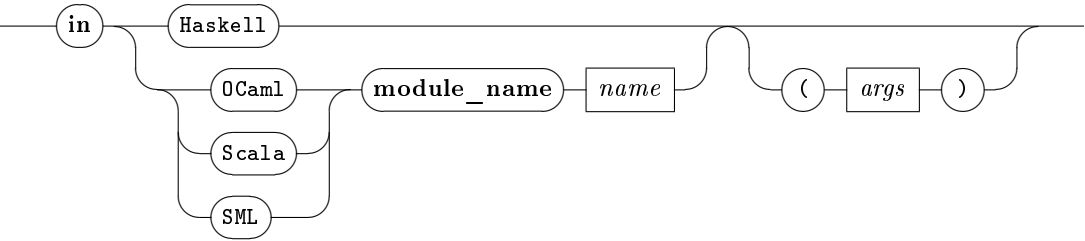
semantics



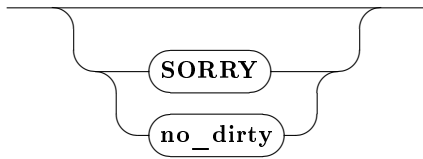
deep-embedding



export-code

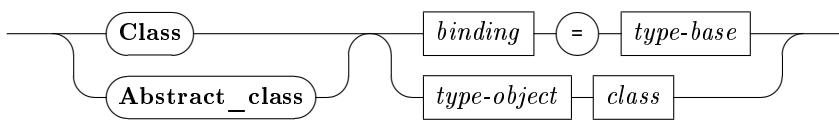


long-or-dirty

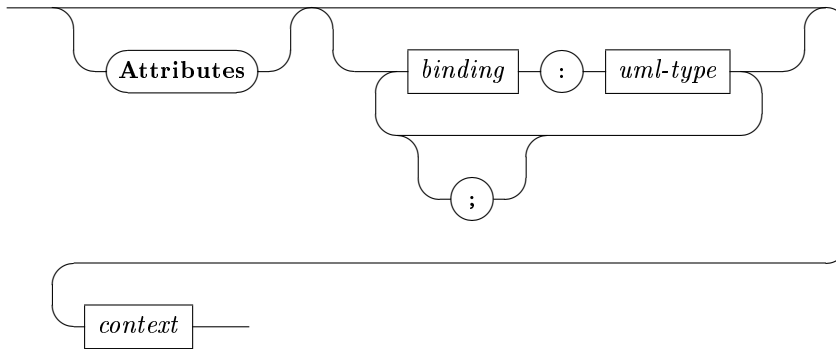


0.0.2 UML/OCL: Extended USE Grammar

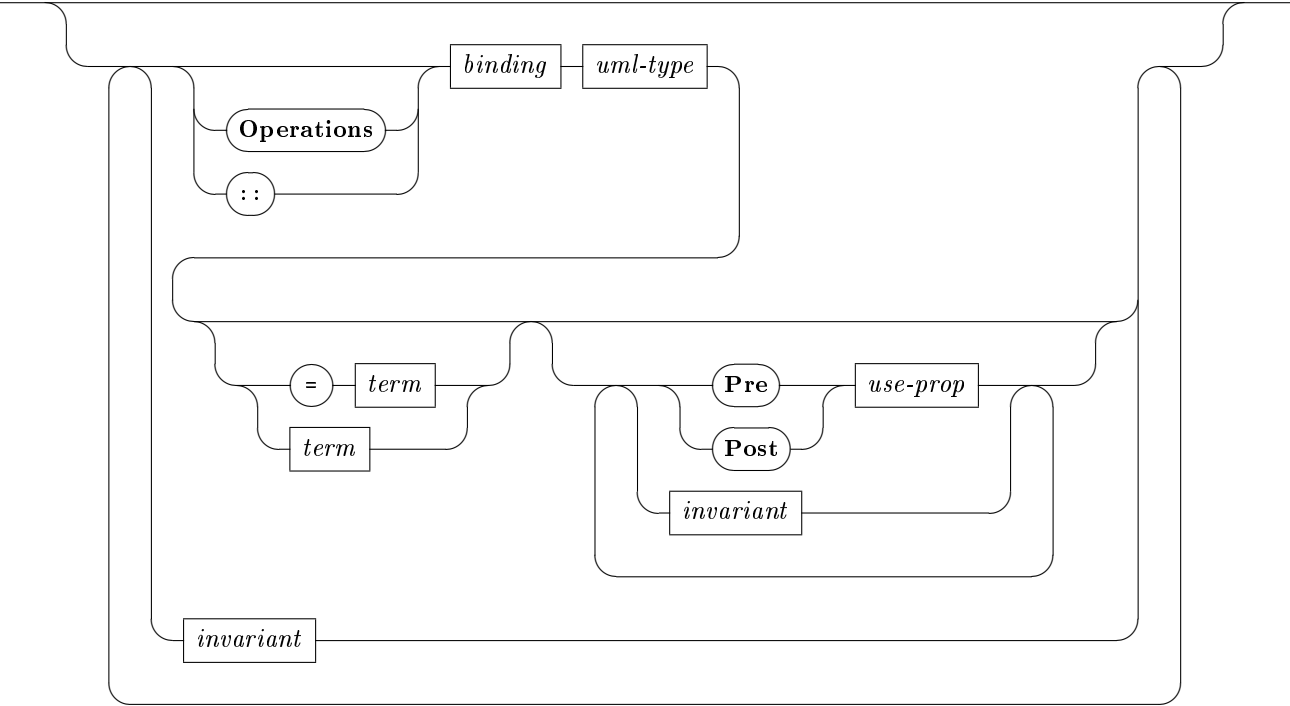
Class : *theory* → *theory*
Abstract-class : *theory* → *theory*



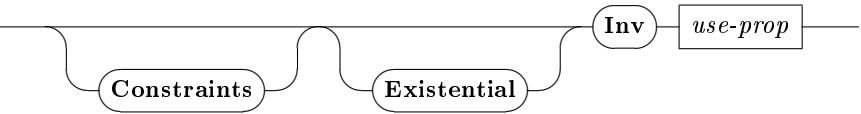
class



context

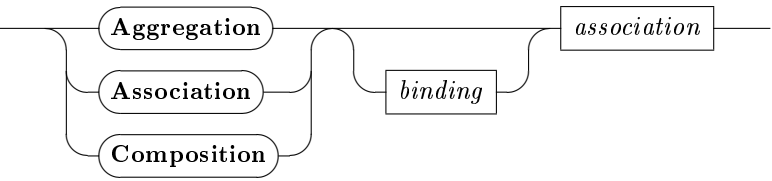


invariant

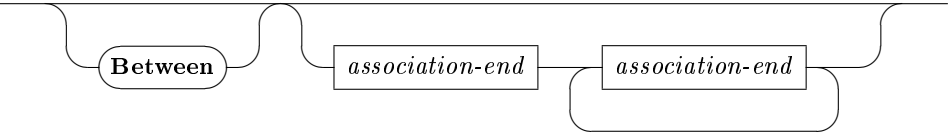


.....

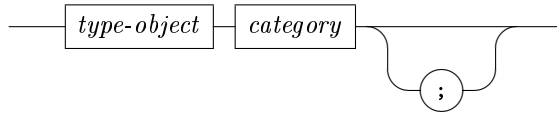
Aggregation : *theory* \rightarrow *theory*
Association : *theory* \rightarrow *theory*
Composition : *theory* \rightarrow *theory*



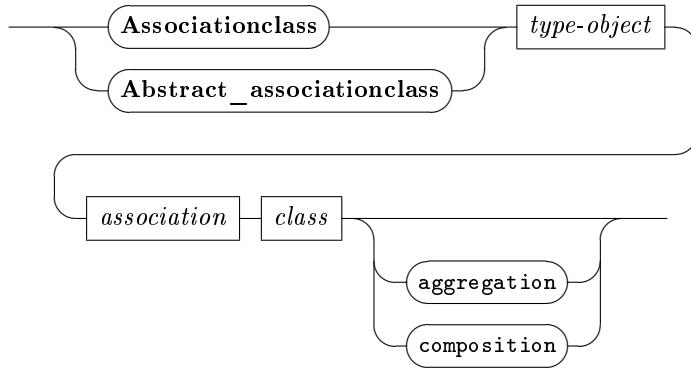
association



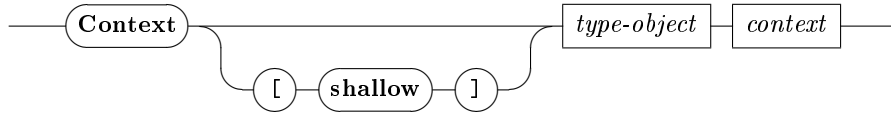
association-end



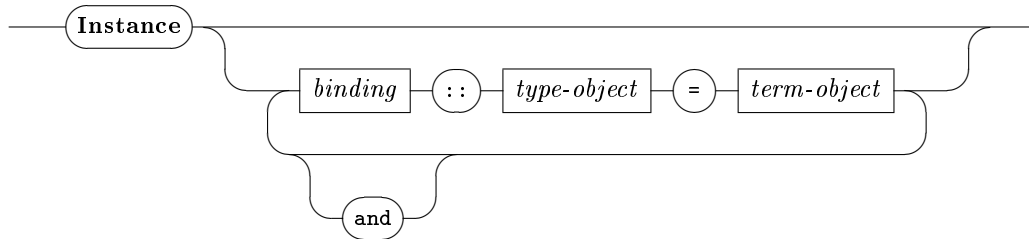
Associationclass : $theory \rightarrow theory$
Abstract-associationclass : $theory \rightarrow theory$



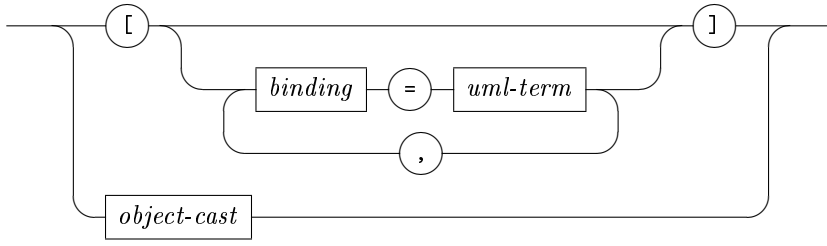
Context : $theory \rightarrow theory$



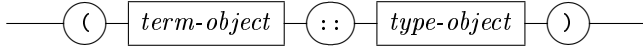
Instance : $theory \rightarrow theory$



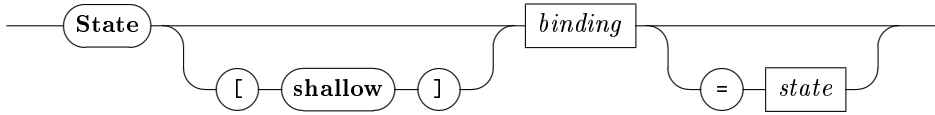
term-object



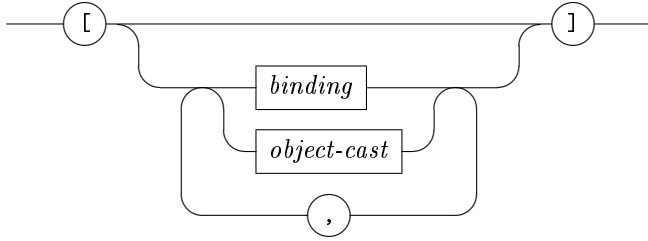
object-cast



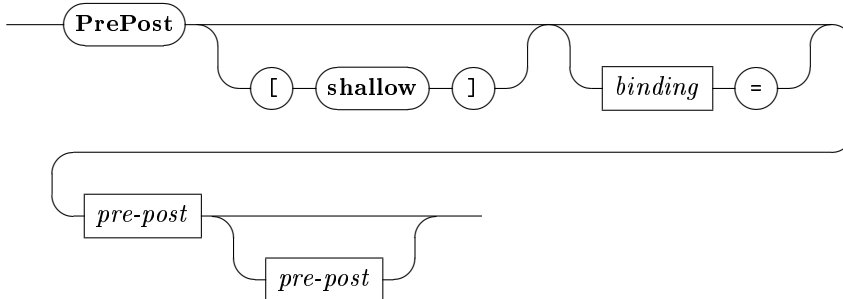
State : $theory \rightarrow theory$



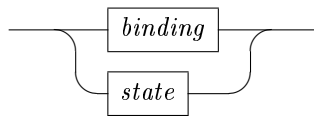
state



PrePost : $theory \rightarrow theory$

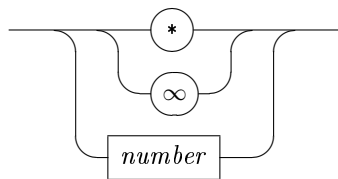


pre-post

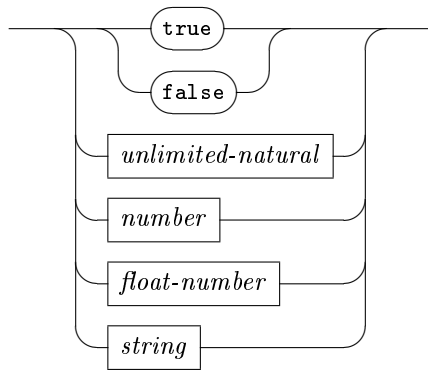


0.0.3 UML/OCL: Type System

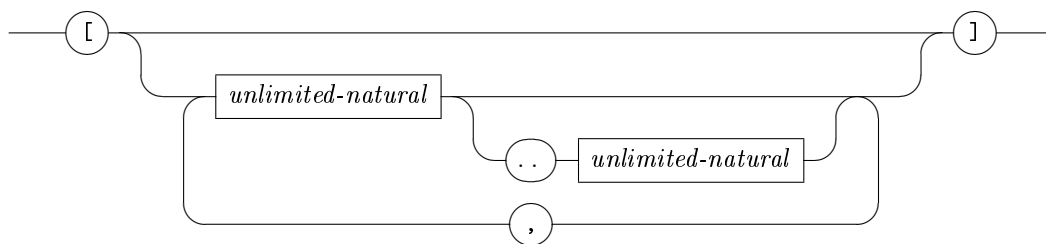
unlimited-natural



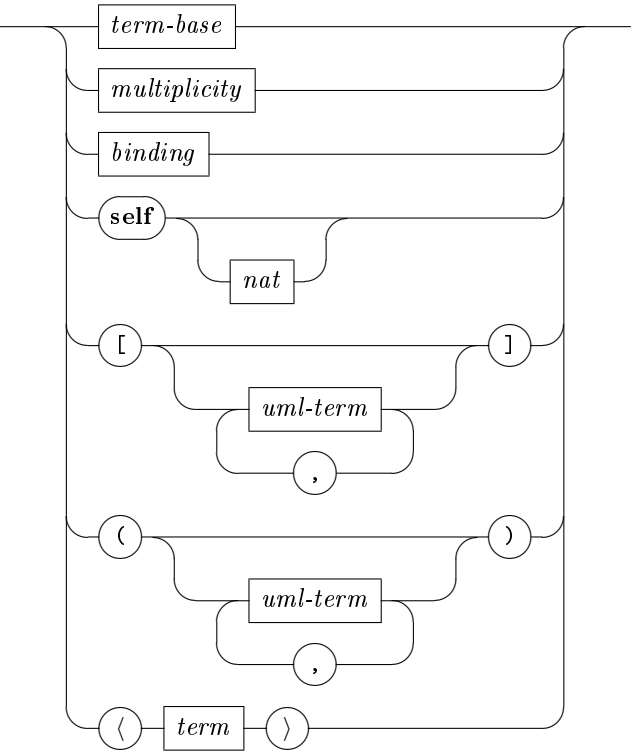
term-base



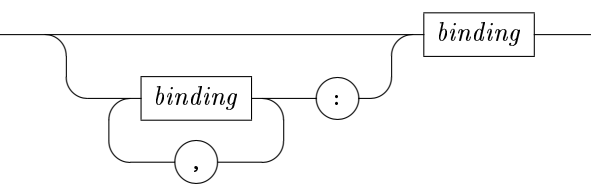
multiplicity



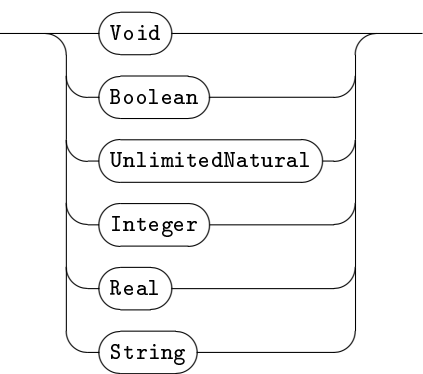
uml-term



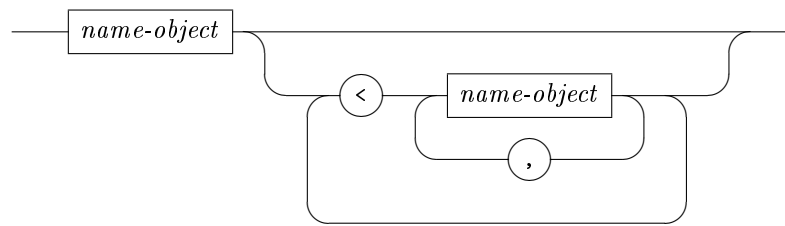
name-object



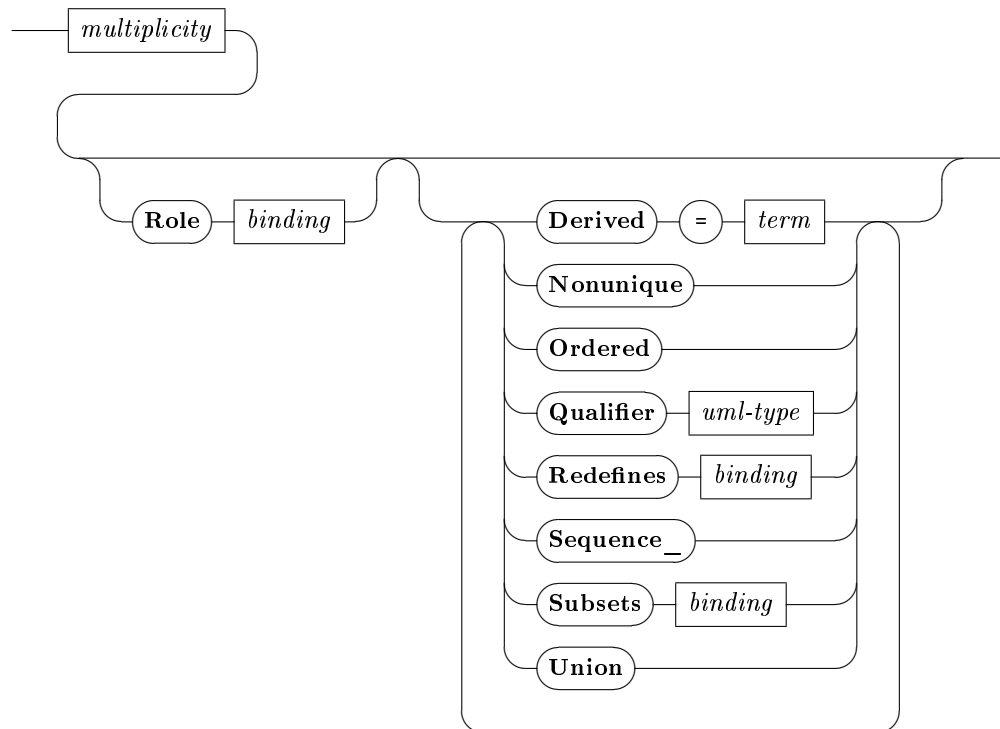
type-base



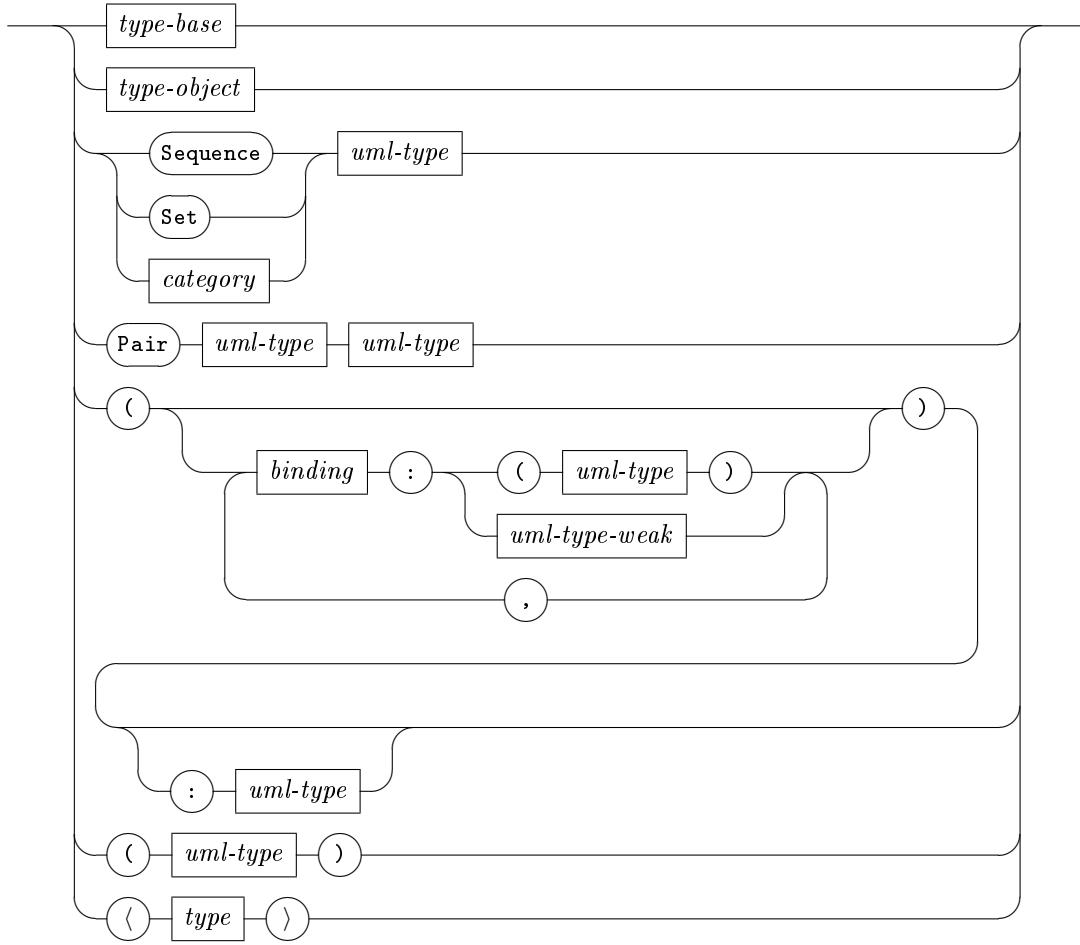
type-object



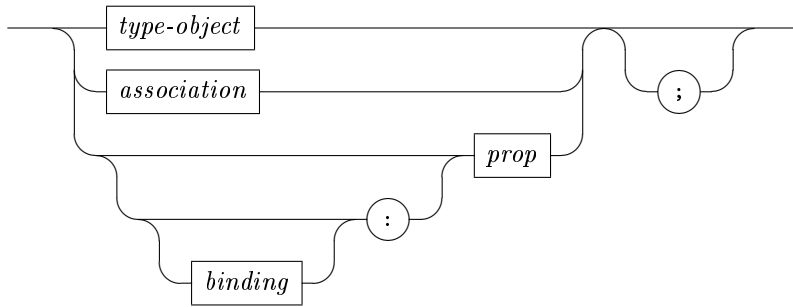
category



uml-type



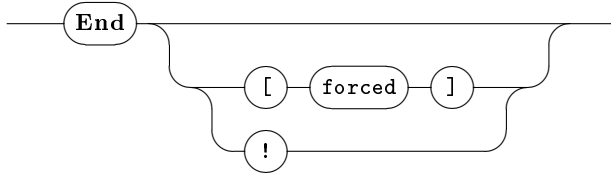
use-prop



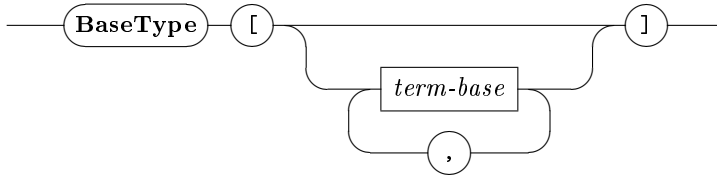
uml_type_weak is like *uml_type* except that *type_object* can not contain quantified names.

0.0.4 UML/OCL: Miscellaneous

End : *theory* \rightarrow *theory*

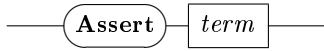


BaseType : $theory \rightarrow theory$



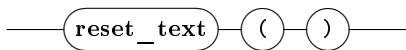
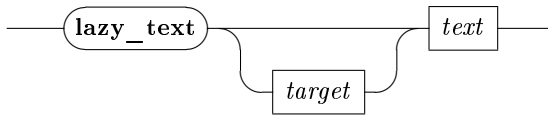
0.0.5 Featherweight OCL: Library

Assert : $theory \rightarrow theory$
Assert-local : $local-theory \rightarrow local-theory$



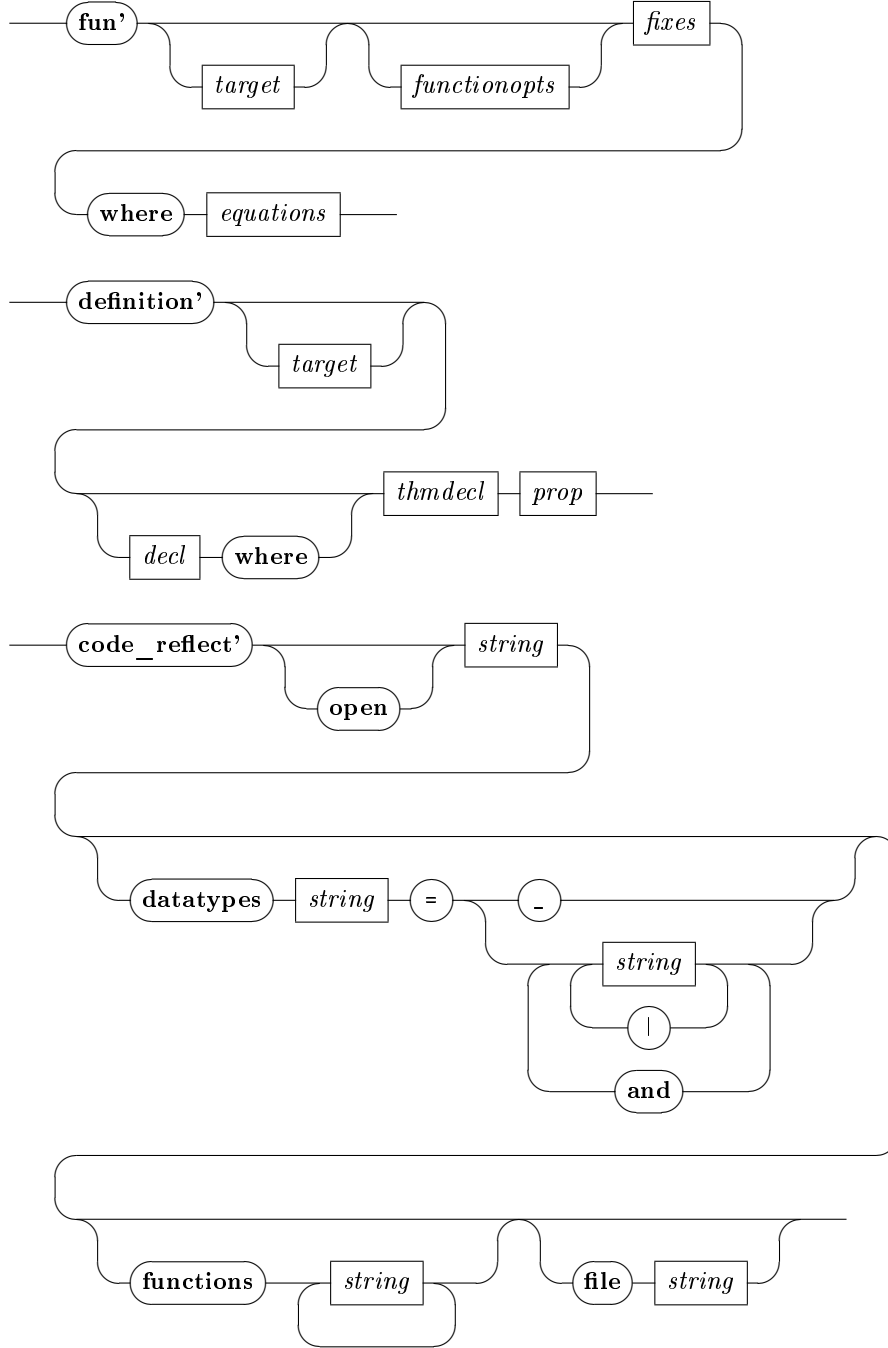
0.0.6 Featherweight OCL: Auxiliary

lazy-text : $local-theory \rightarrow local-theory$
apply-text : $local-theory \rightarrow local-theory$
reset-text : $local-theory \rightarrow local-theory$

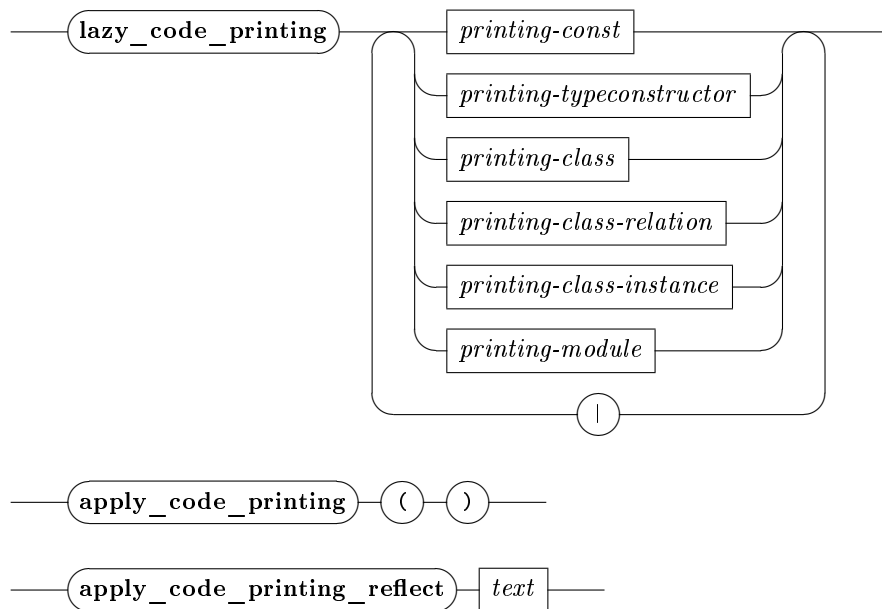


0.0.7 Featherweight OCL: Compiler

$\text{fun}' : \text{local-theory} \rightarrow \text{local-theory}$
 $\text{definition}' : \text{local-theory} \rightarrow \text{local-theory}$
 $\text{code-reflect}' : \text{theory} \rightarrow \text{theory}$



lazy-code-printing : $theory \rightarrow theory$
apply-code-printing : $theory \rightarrow theory$
apply-code-printing-reflect : $local-theory \rightarrow local-theory$



0.1 ...

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Bibliography

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