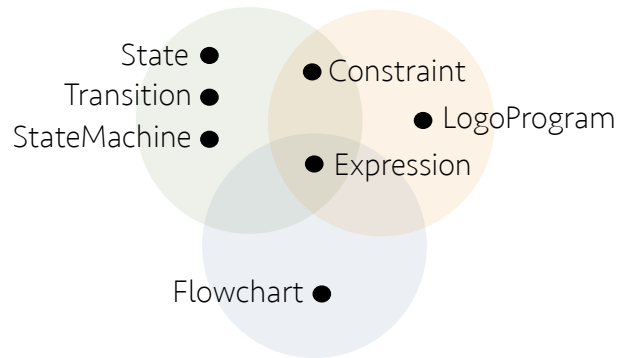
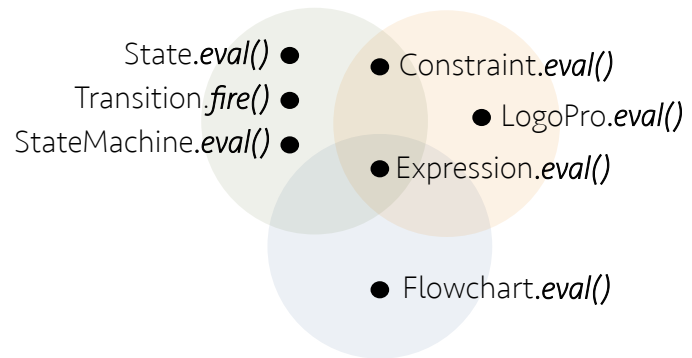


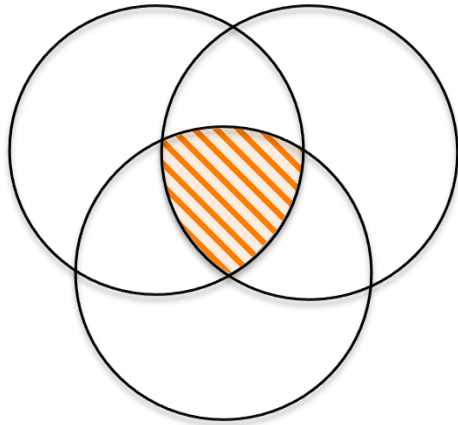
Syntactic overlapping



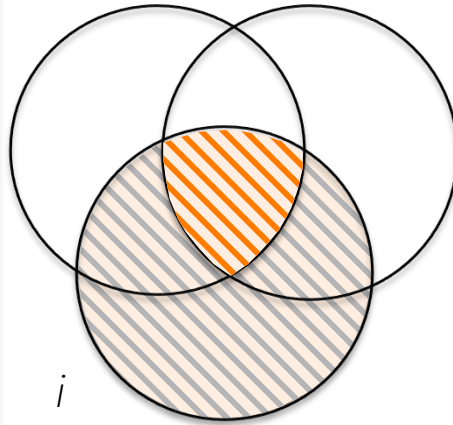
Semantic overlapping



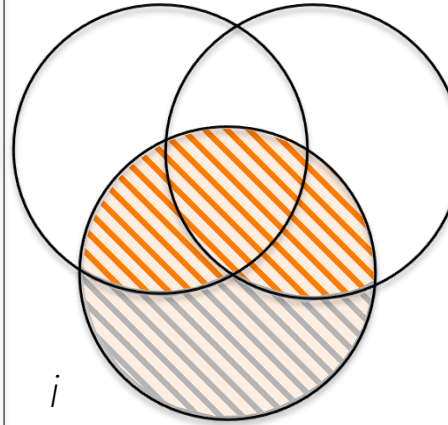
Size of Commonality
(SoC)



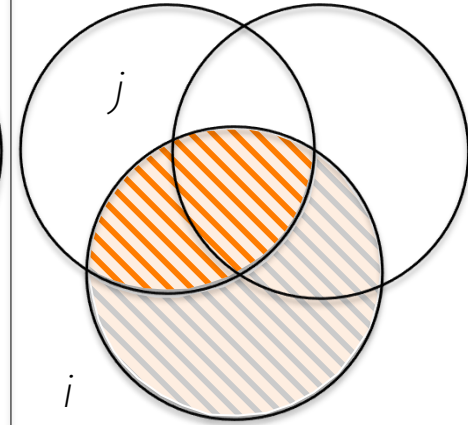
Product Related Reusability
(PRR_i)

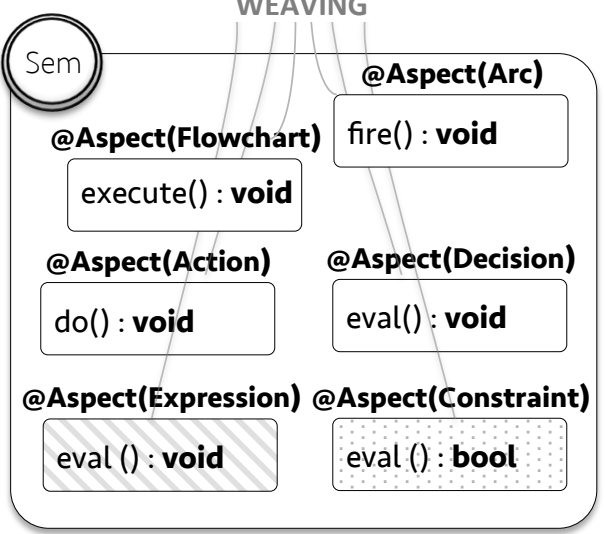
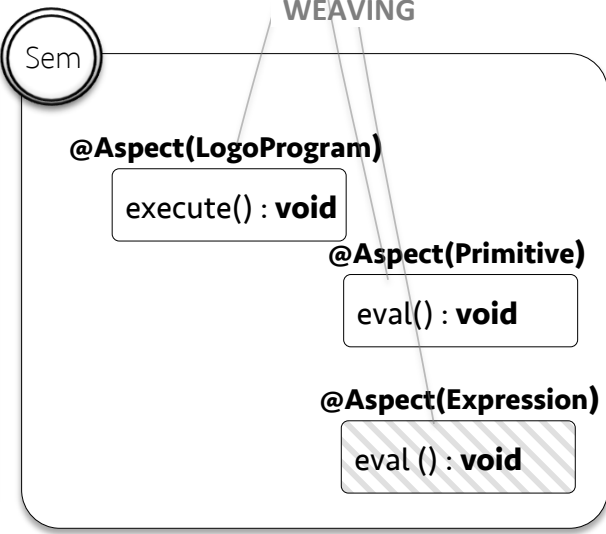
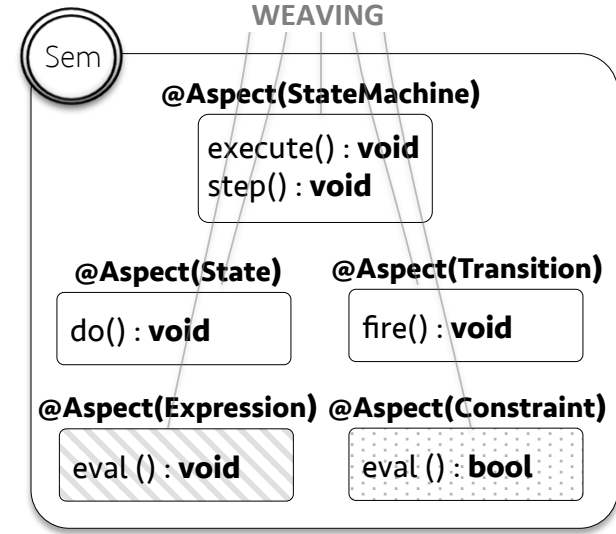
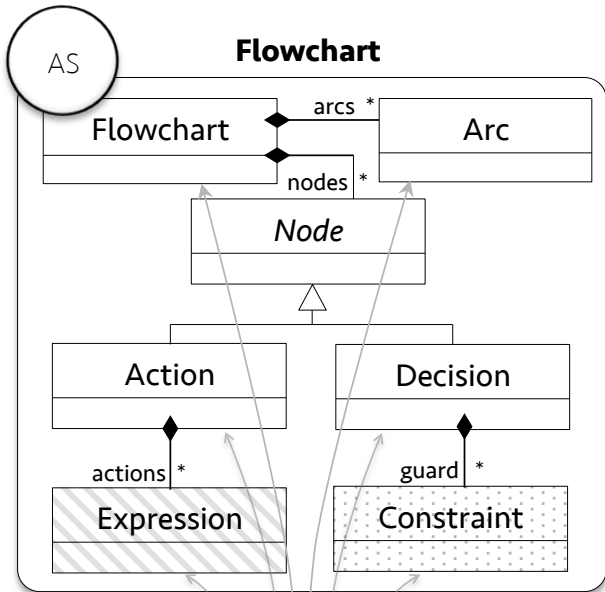
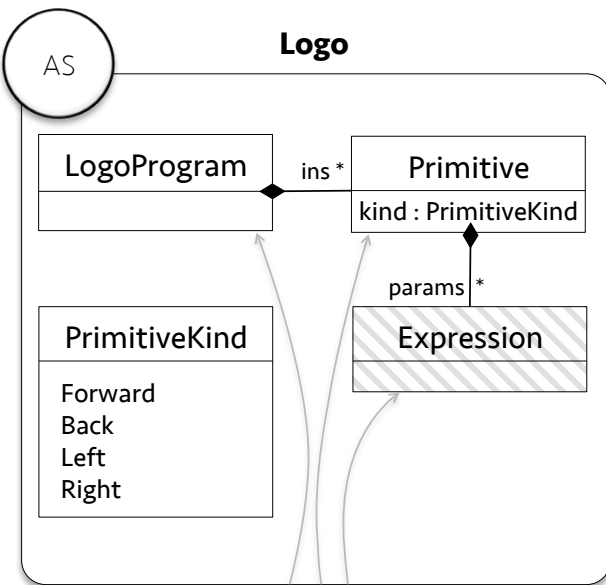
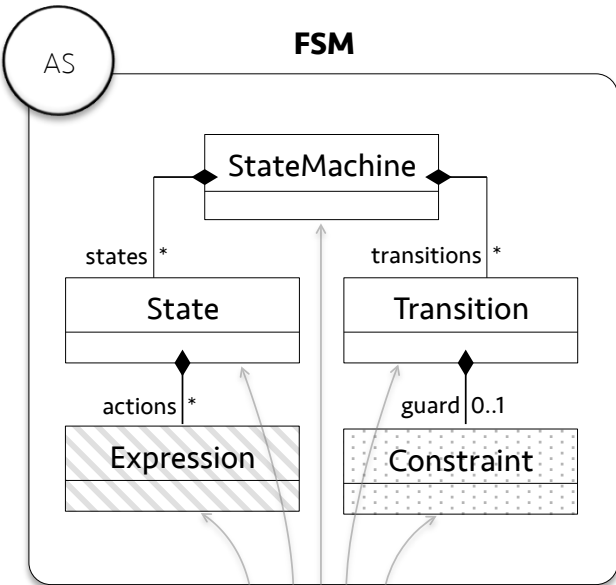


Individualization Ratio
(IR_i)



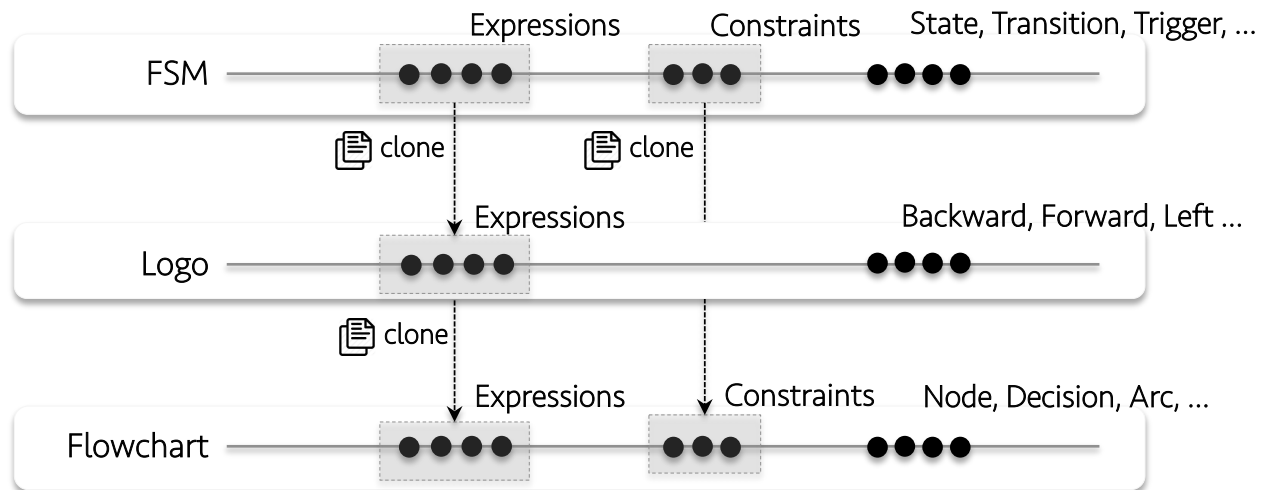
Pair-wise Relationship Ratio
($PWRR_{(l,j)}$)



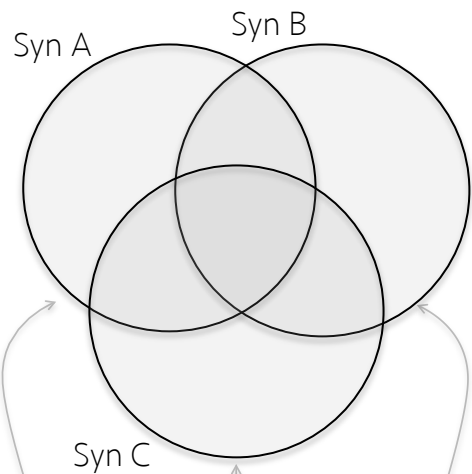




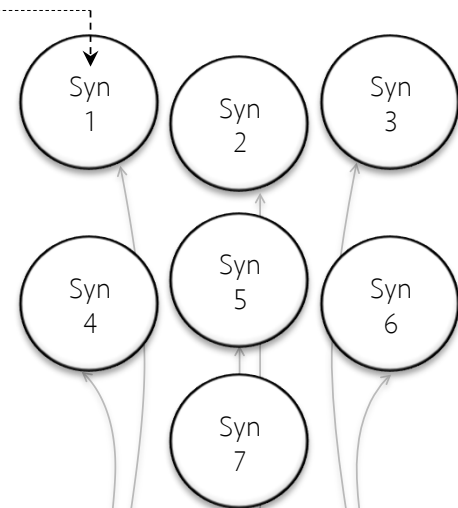
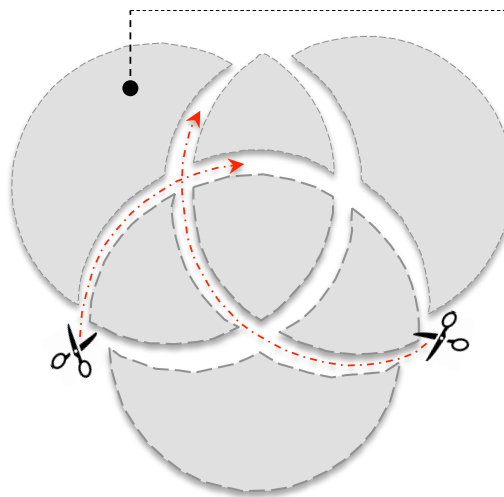
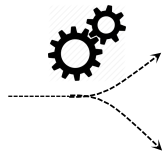
Language
designers



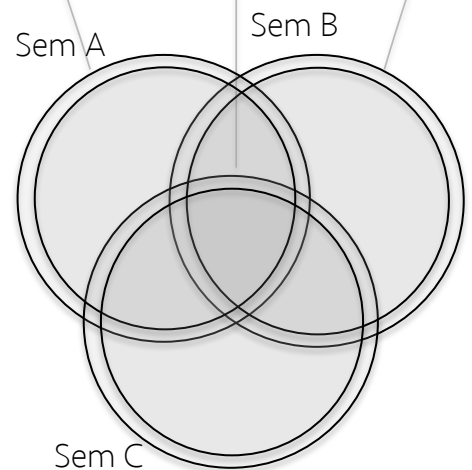
Syntax



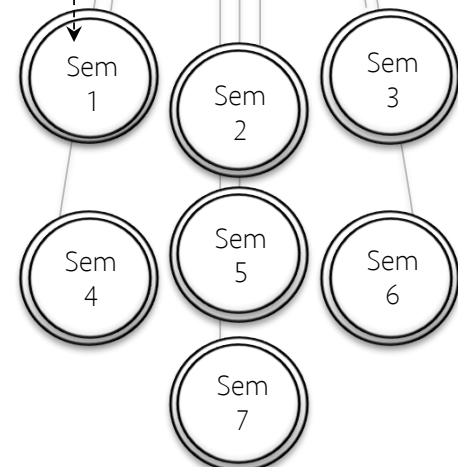
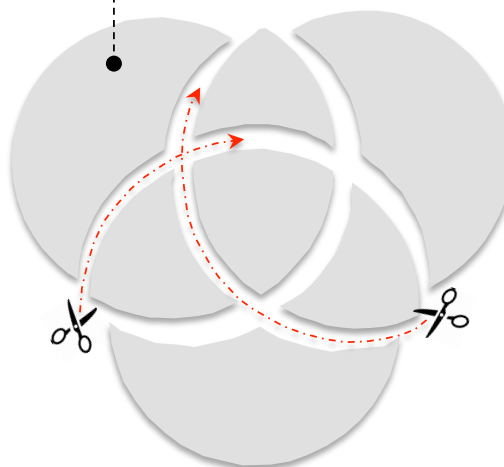
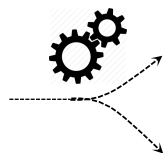
Syntactic
Break-down



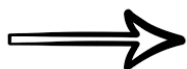
Semantics



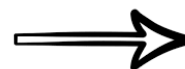
Semantic
Break-down



First: Identifying
overlapping



Second: Breaking-
down the input set



Third: Encapsulating
language modules

Identify overlapping



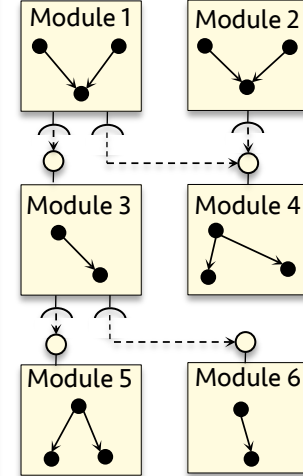
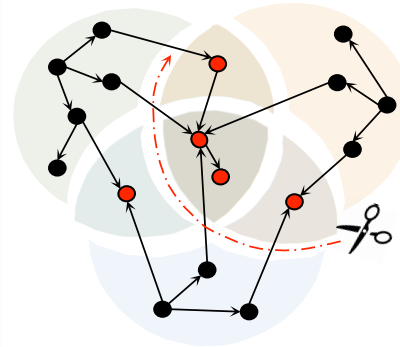
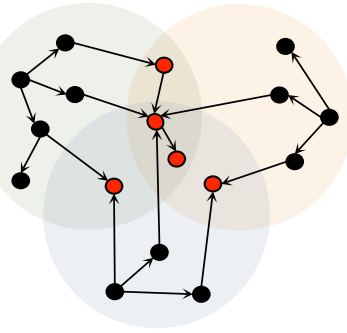
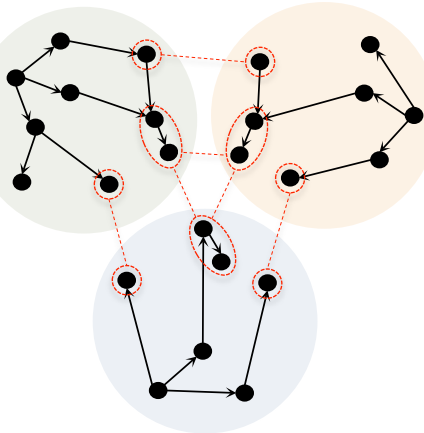
Break-down

Match

Merge

Cut

Encapsulate



Second: Merge



Second: Breaking-down
the input set

Third: Encapsulating
language modules

	MM1	MM2	MM3
MM1	-	$ MM2 \cap MM1 $	$ MM3 \cap MM1 $
MM2	$ MM1 \cap MM2 $	-	$ MM3 \cap MM2 $
MM3	$ MM1 \cap MM3 $	$ MM2 \cap MM3 $	-

AVG(MM1)

AVG(MM2)

AVG(MM3)

AVG(MM)



