Stages of shape grammar development

shapes

spatial relations

rules

shape grammar

designs
shapes
spatial relations
shape rules

shapes: A, B

spatial relation: A + B

rules: A → A + B
B → A + B
spatial relation

rule
spatial relation

rules
spatial relation $A + B$ between two oblongs

addition rule $A \rightarrow A + B$ based on the spatial relation

different labelings of the rule $A \rightarrow A + B$
spatial relation $A + B$ between two oblongs

different labelings of a rule $A \rightarrow A + B$
spatial relation $A + B$ between an oblong and a pillar

different labelings of a rule $A \rightarrow A + B$

different labelings of a rule $B \rightarrow A + B$
rules

rules

design

design
Assignment

Practice using 3D shape grammars.

Go back to the shape grammar examples from the lecture, and try applying labeled rules you did not do in class.