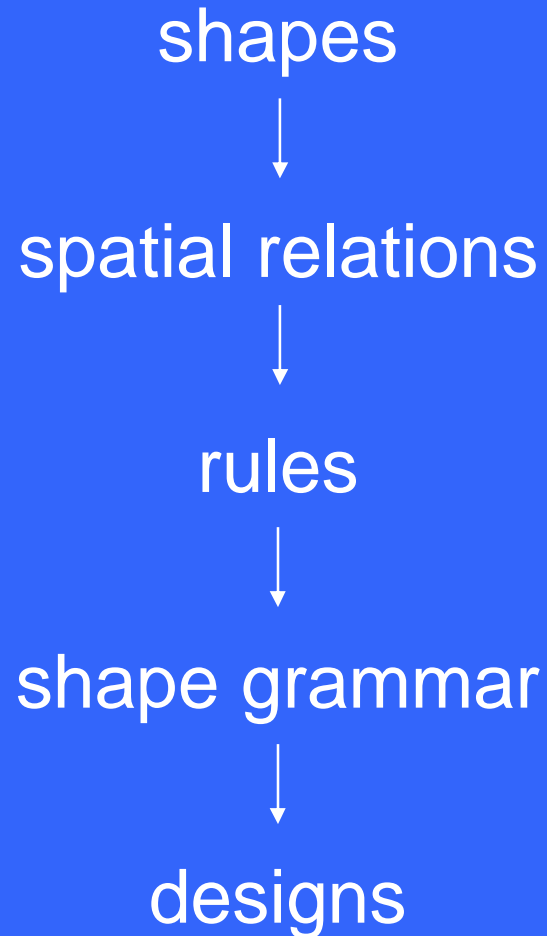
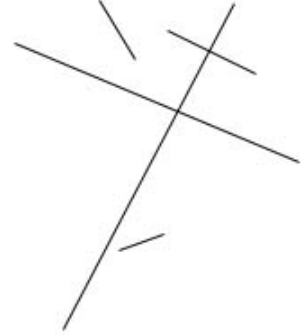
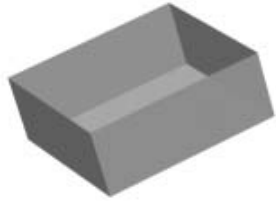


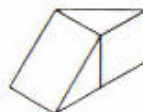
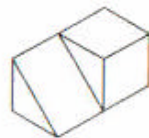
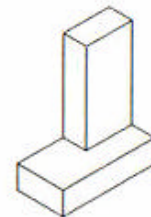
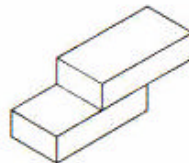
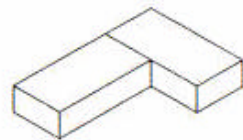
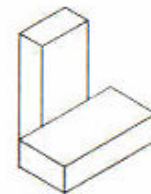
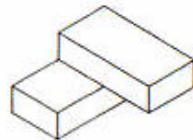
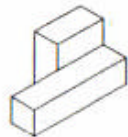
Stages of shape grammar development



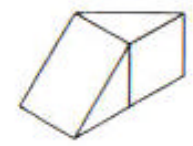
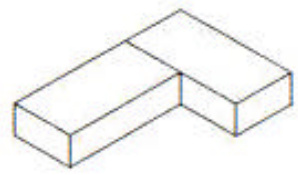
shapes



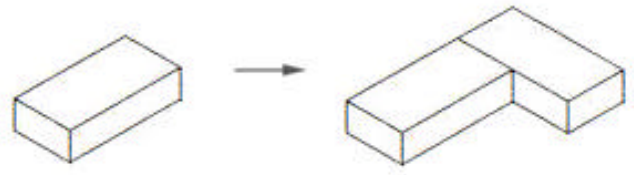
spatial relations



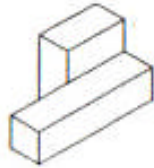
spatial relation



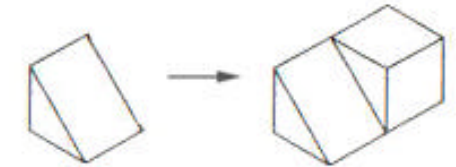
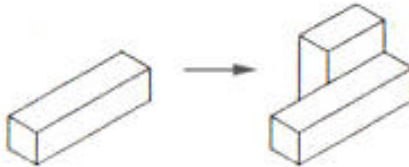
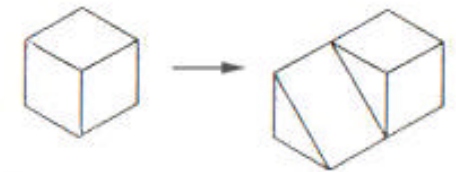
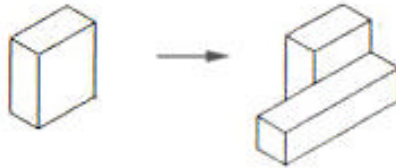
rule

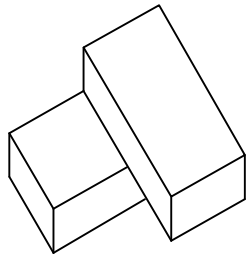


spatial relation

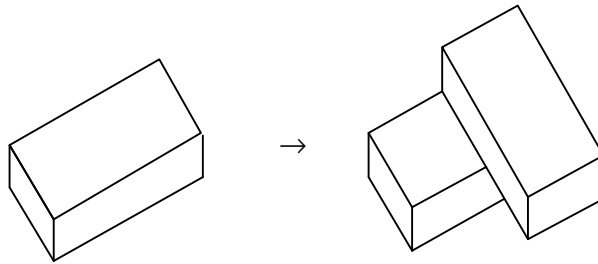


rules

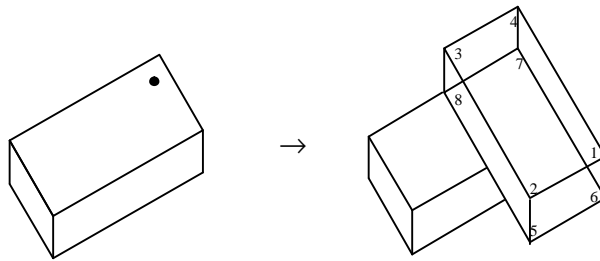




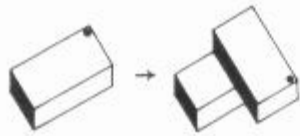
spatial relation $A + B$ between two oblongs



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



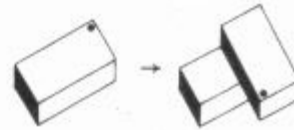
different labelings of the rule $A \rightarrow A + B$



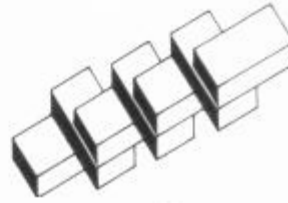
rule



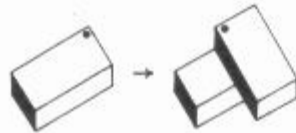
design



rule



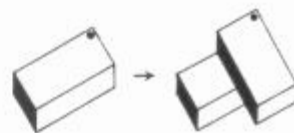
design



rule



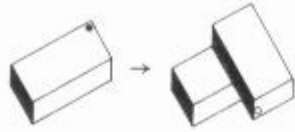
design



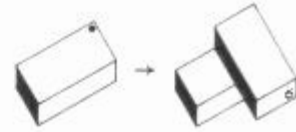
rule



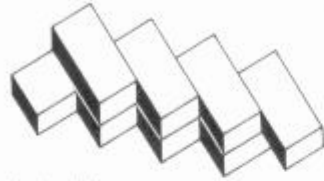
design



rule



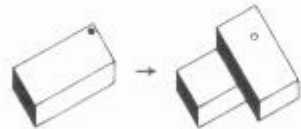
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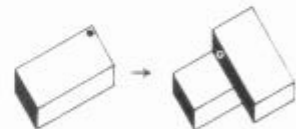
design



design



rule



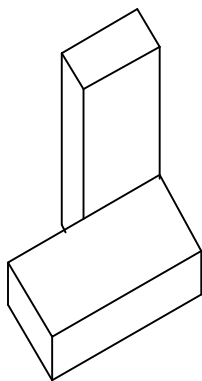
rule



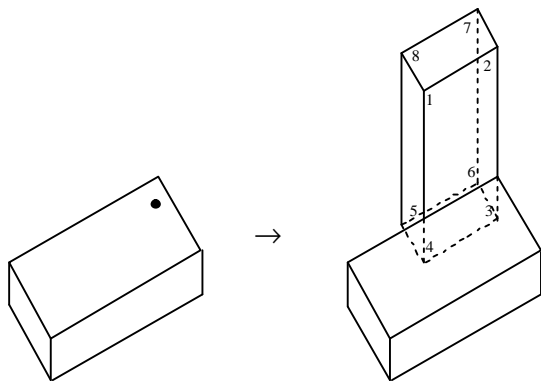
design



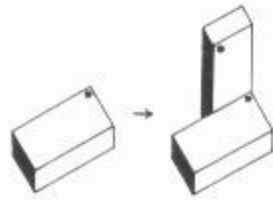
design



spatial relation $A + B$ between two oblongs



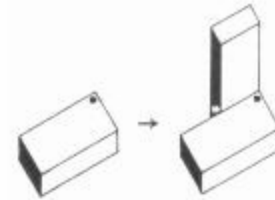
different labelings of a rule $A \rightarrow A + B$



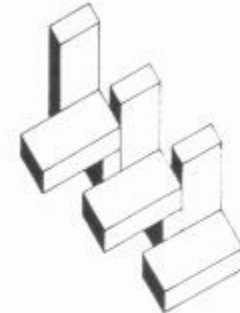
rule



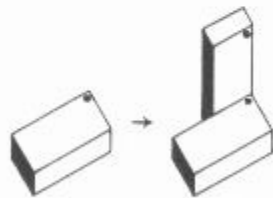
design



rule



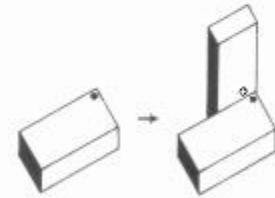
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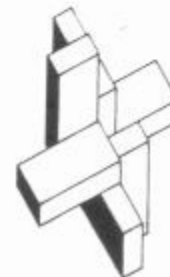
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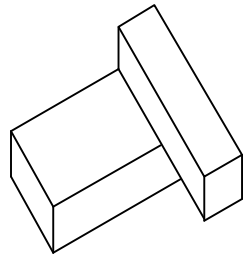
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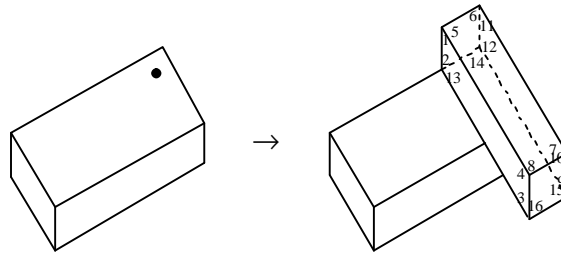
rule



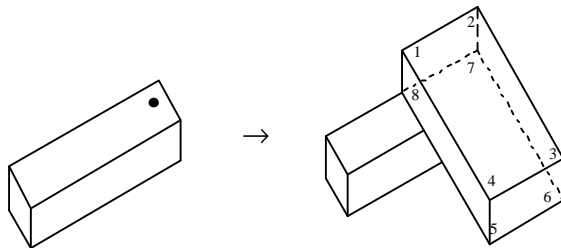
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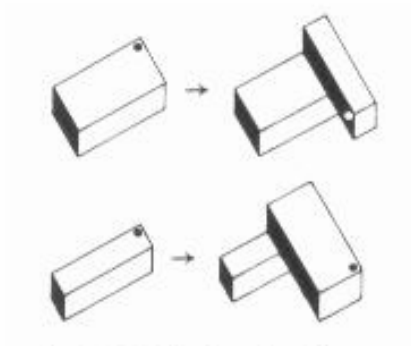
spatial relation $A + B$ between an oblong and a pillar



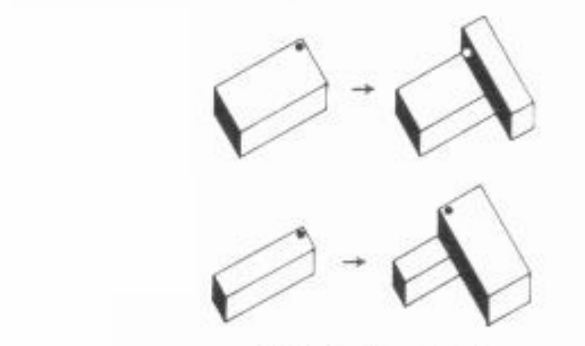
different labelings of a rule $A \rightarrow A + B$



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



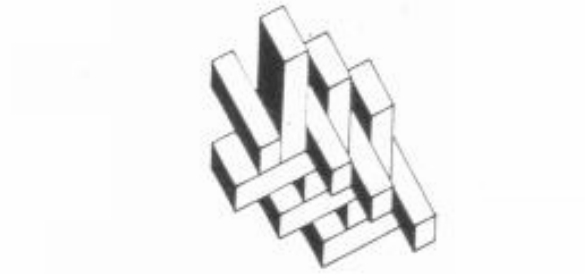
rules



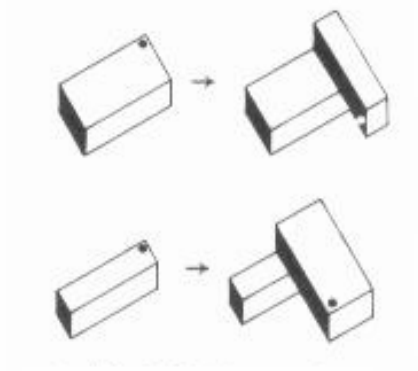
rules



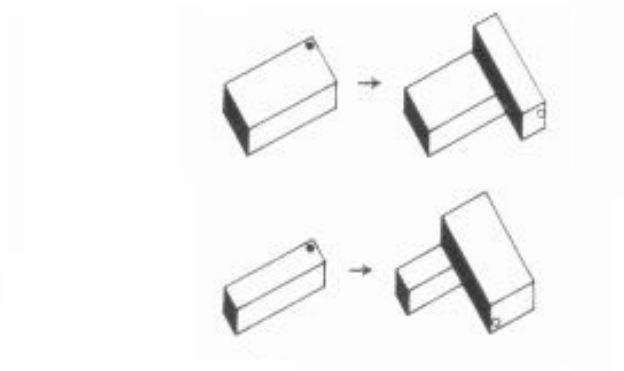
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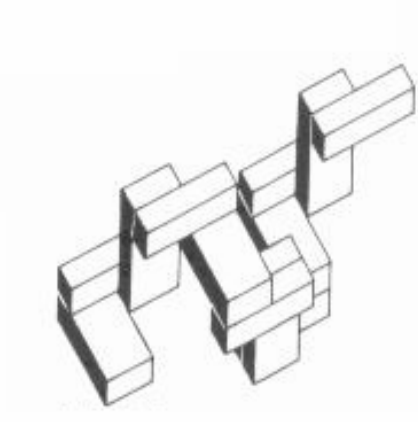
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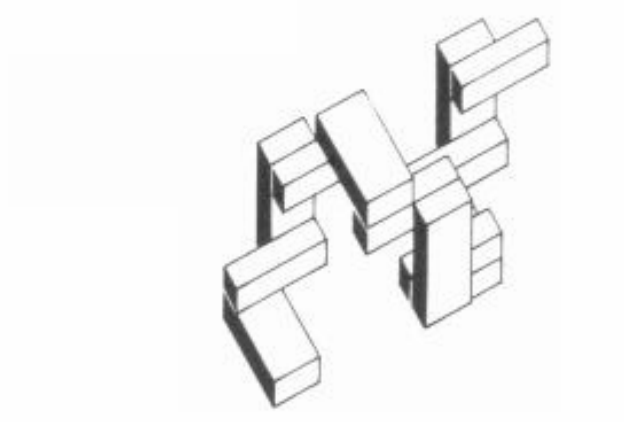
rules



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.