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Journal

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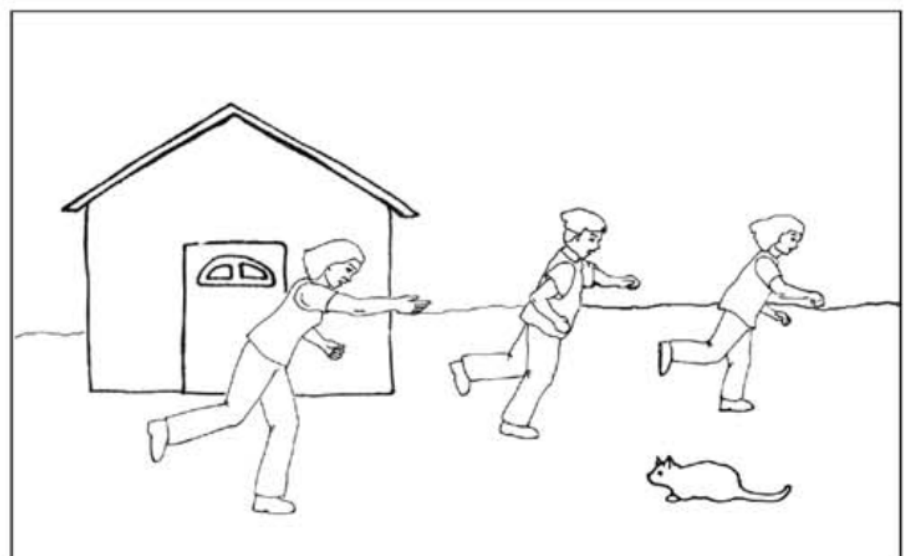
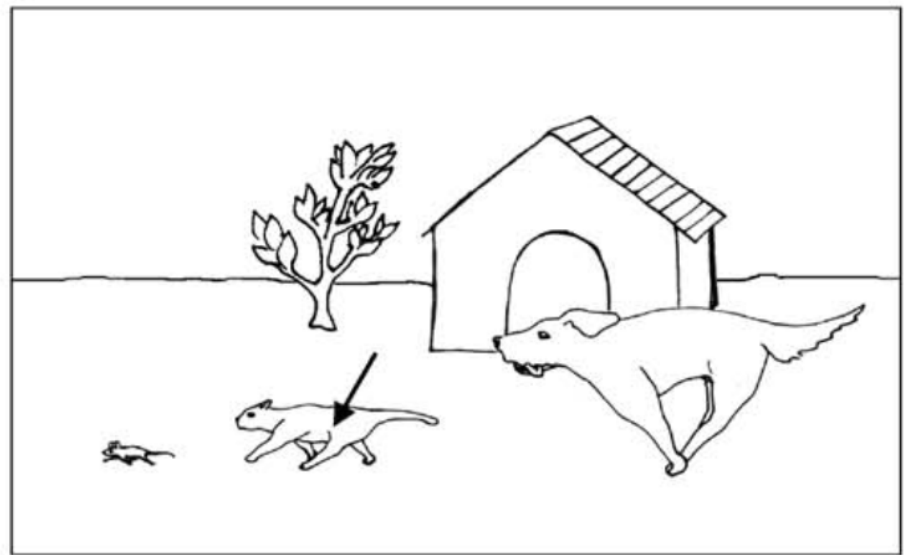
A Neural Process Model of Structure Mapping Accounts for Children's Development of Analogical Mapping by Change in Inhibitory Control

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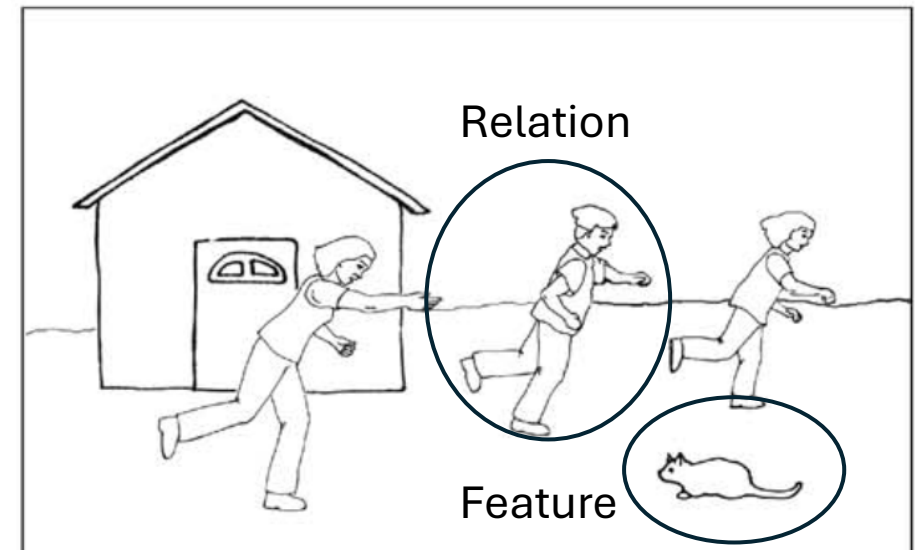
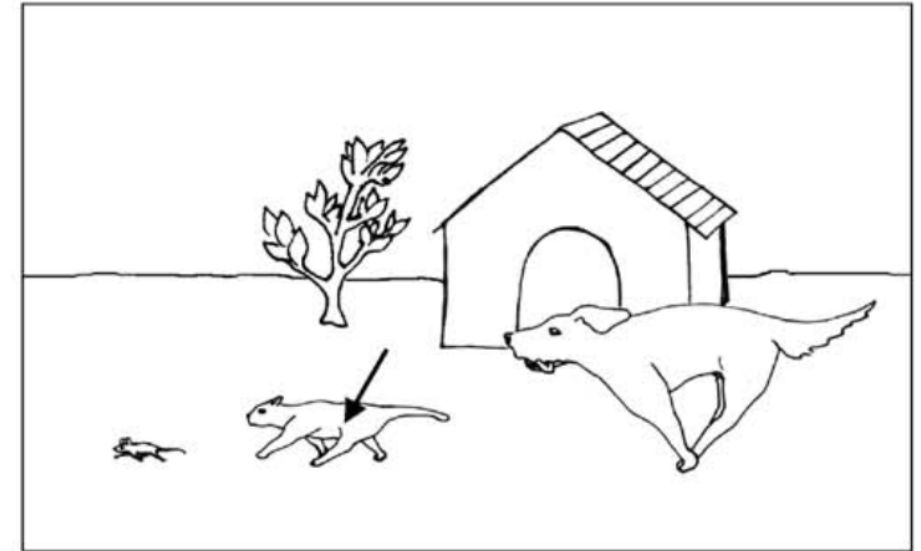
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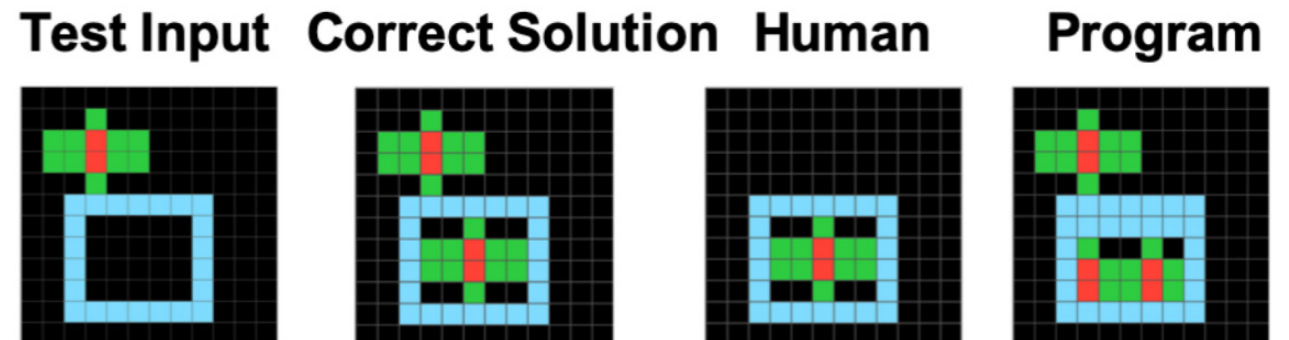
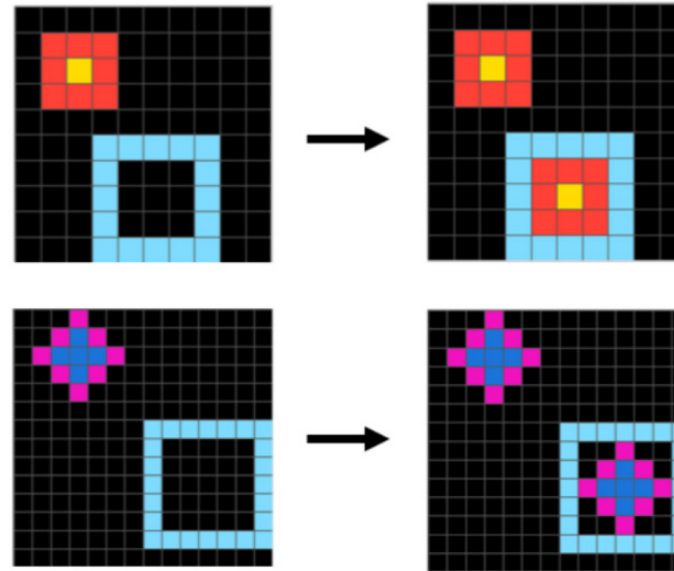


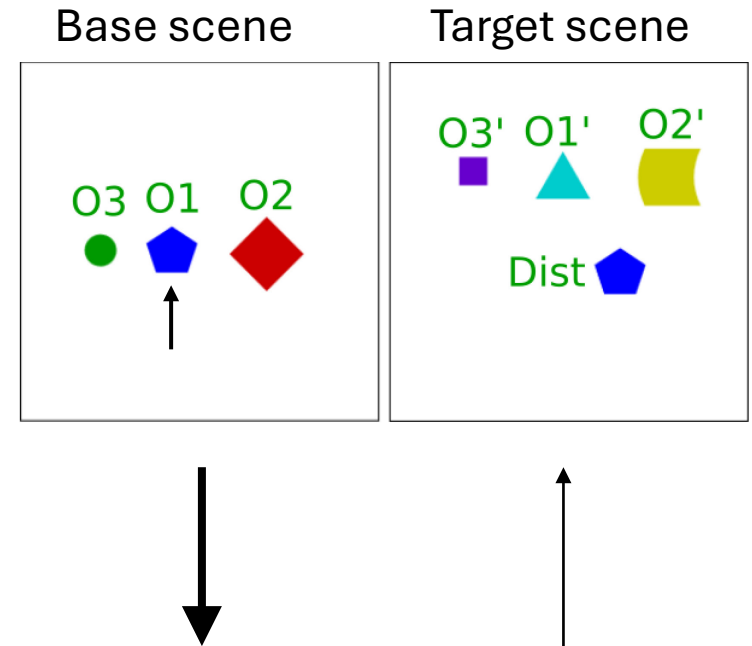
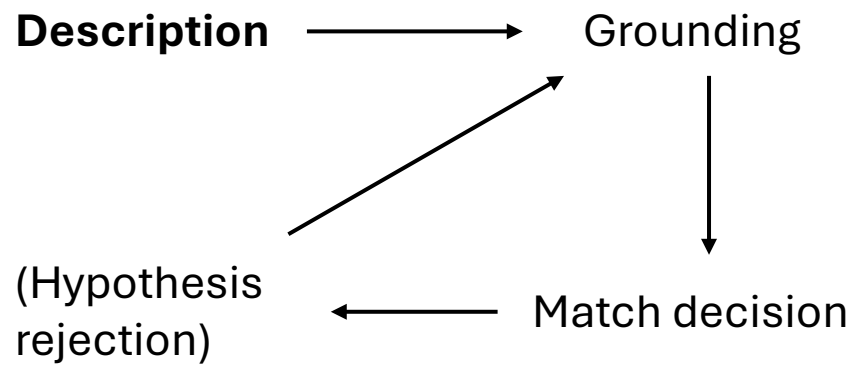
- Analogy is a variant of **similarity** with a focus on **shared relations** while **disregarding misalignment** in feature values



- Analogical reasoning allows **abstracting** away from featural dissimilarities and extracting **general** schemas / rules

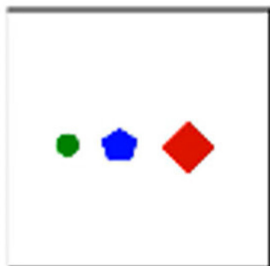
Demonstrations



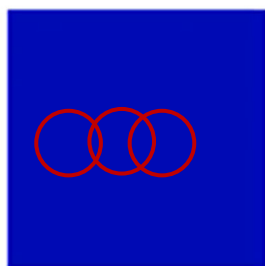


Right-of & bigger-than (red diamond, blue pentagon)
 Left-of & smaller-than (green circle, blue pentagon)

Input



Selection



Feature concepts



Base
map

Reference



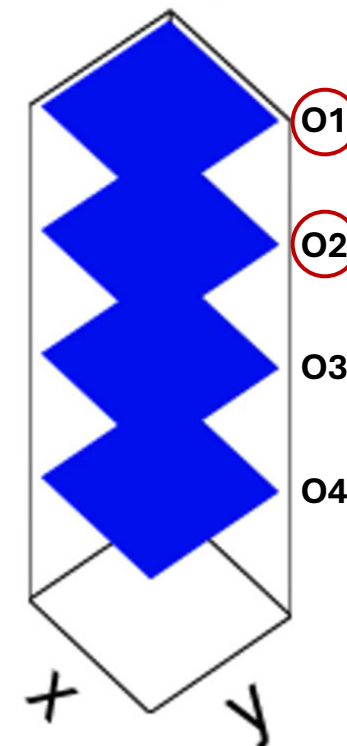
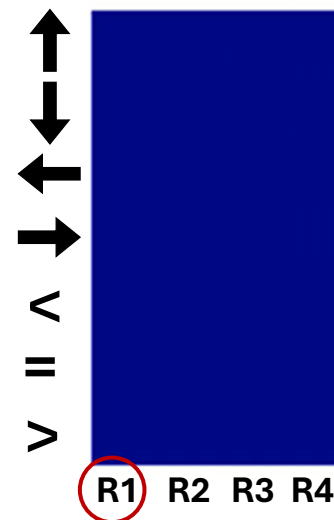
Target



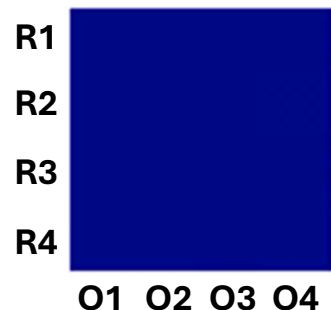
Relation



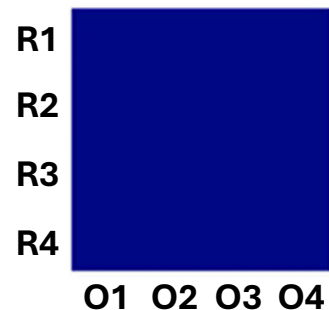
Relation
concepts

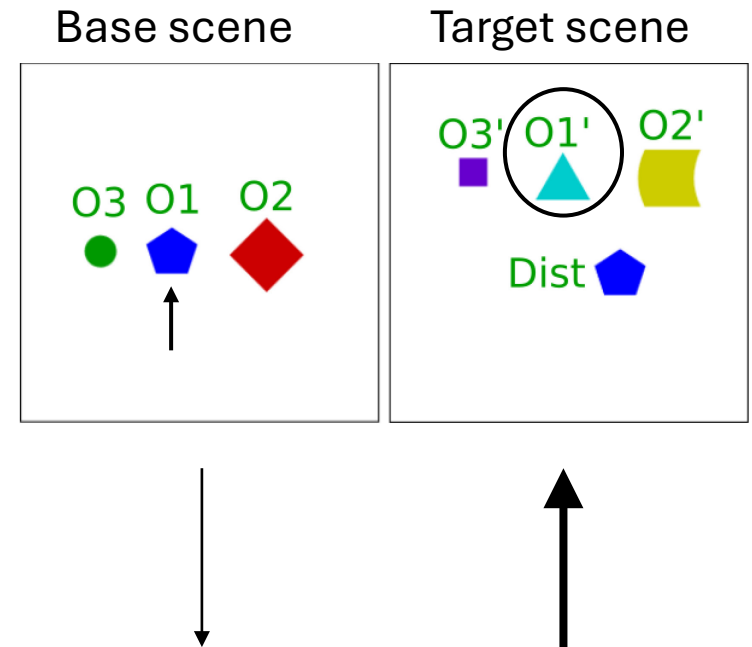
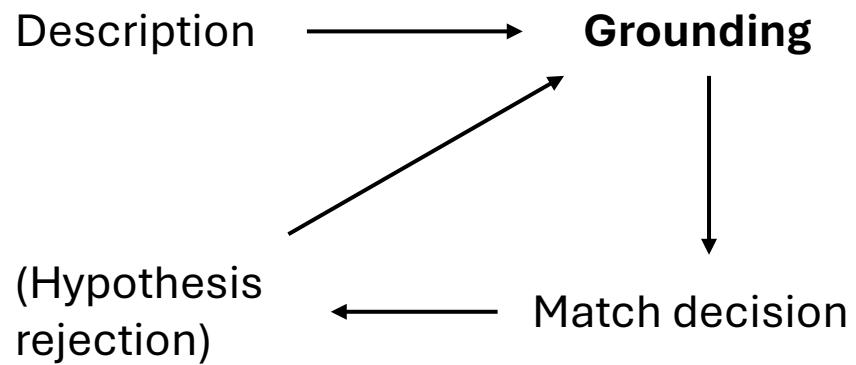


Ref-Rel



Tar-Rel



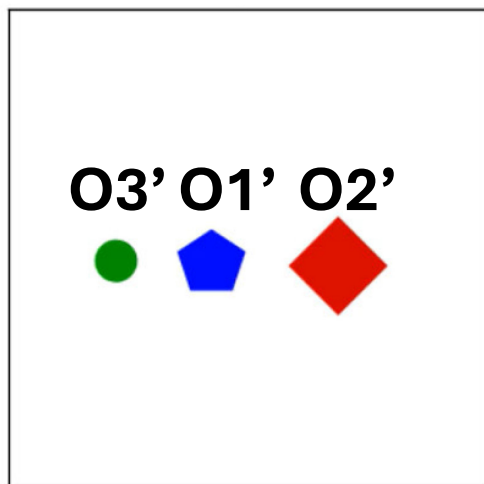


Right-of & bigger-than (~~red diamond~~, ~~blue pentagon~~)
 Left-of & smaller-than (~~green circle~~, ~~blue pentagon~~)

— proceed — accept - - reject



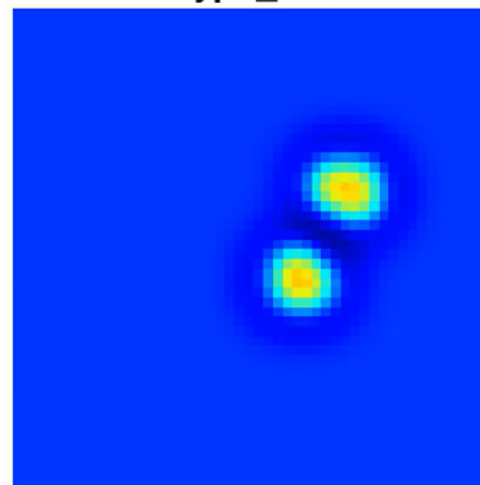
Base scene



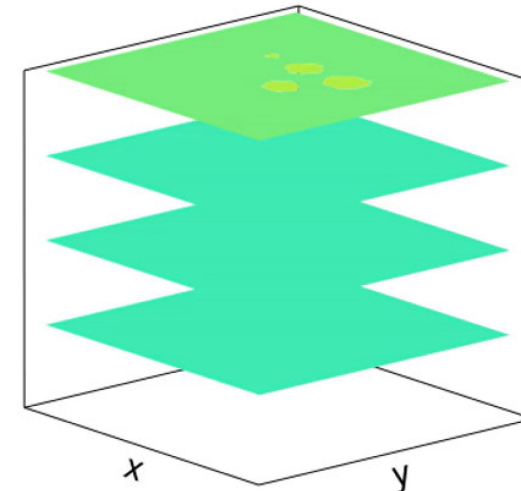
Selection



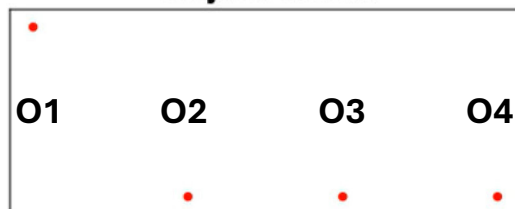
Hypo_test



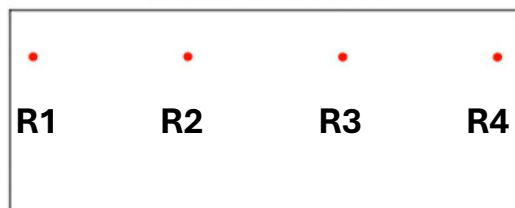
Target map



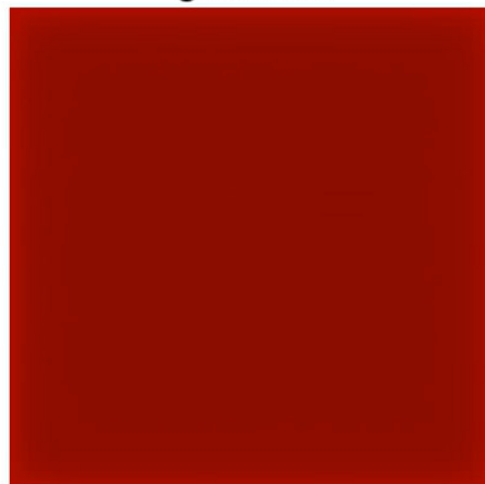
Object index



Relation index



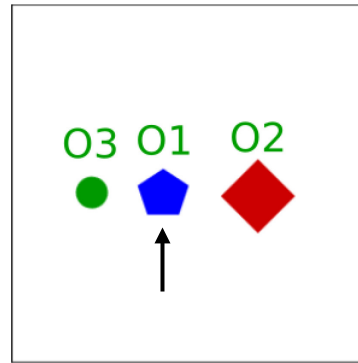
Feature guidance



Relation guidance



Base scene



Target scene

