

# COGS300

## Cognitive technology

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# Cognitive technology

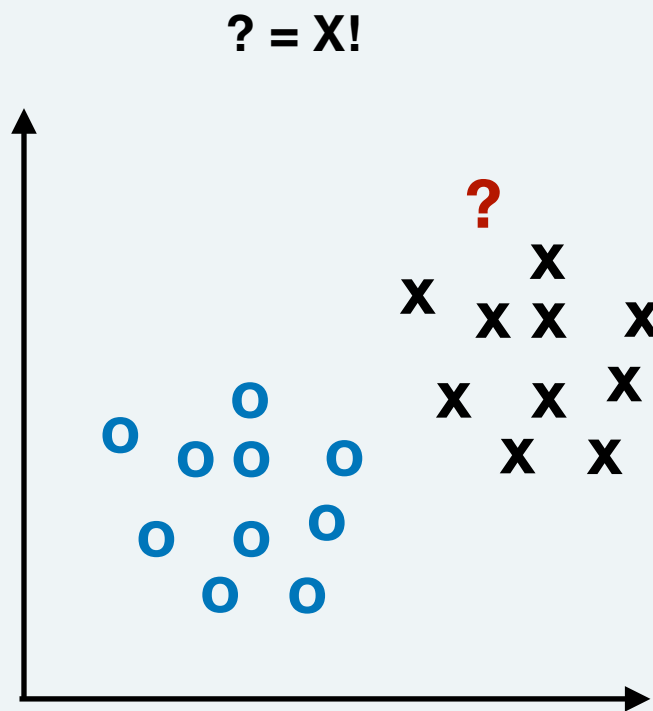
- a key disconnect between connectionism (and related approaches) vs. core phenomena in PSS:
  - accounting for higher cognition (e.g. reasoning, abstract thought) while relying on connectionist (and related) models?
    1. hybrid models – PSS + connectionist
    2. connectionist all the way up
    3. connectionist supported by external cognitive aids – “wideware”

# Cognitive technology

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# Cognitive technology

- connectionism (and related approaches) good at dealing with certain relatively simple tasks



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=?



# Cognitive technology

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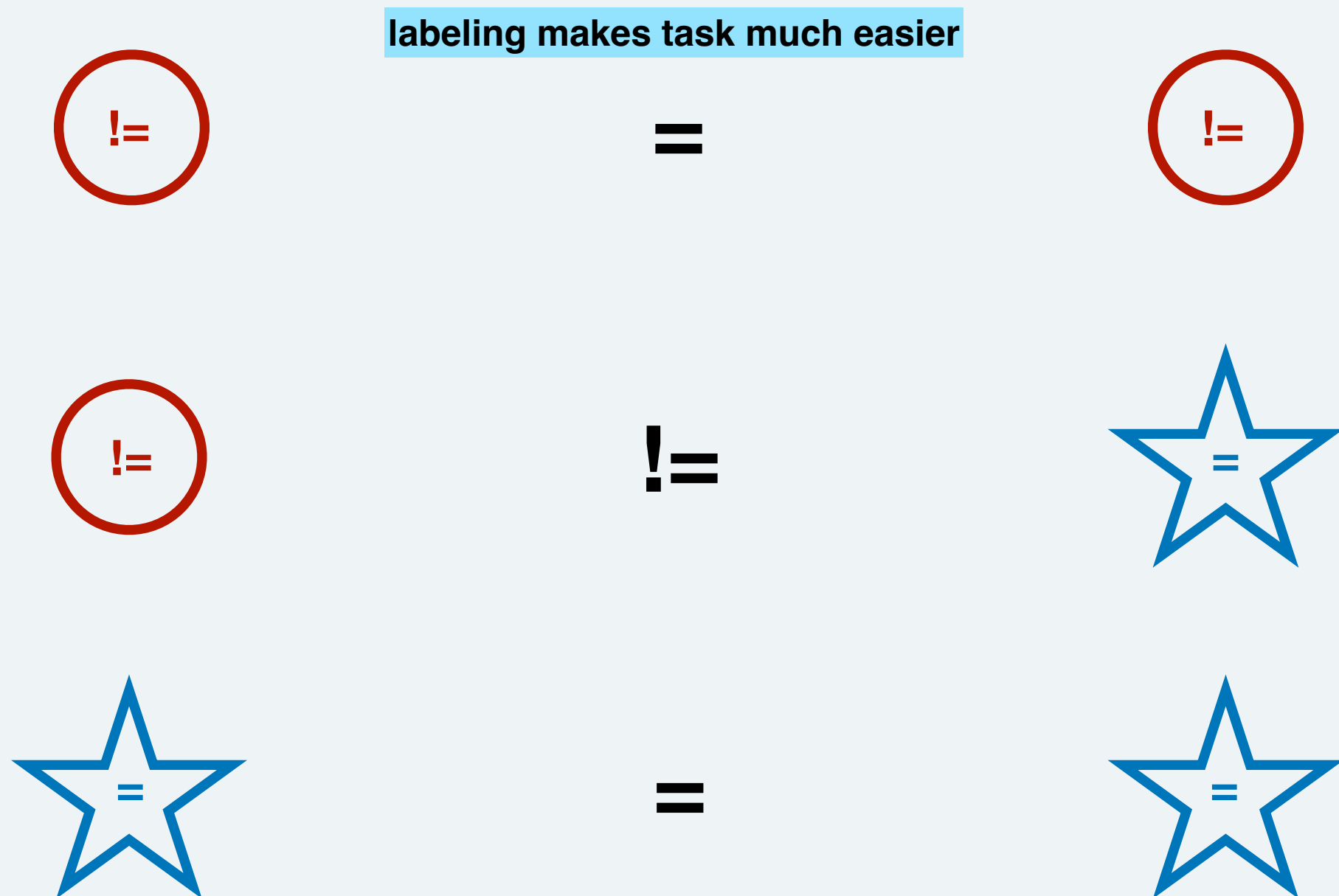
# Cognitive technology

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# Cognitive technology

- connectionist and related architectures: “good at frisbee, bad at logic”

optimized for our limited cognitive architecture: eg. terminal more difficult than Finder GUI

## iPhone X

~~Say hello to the future.~~

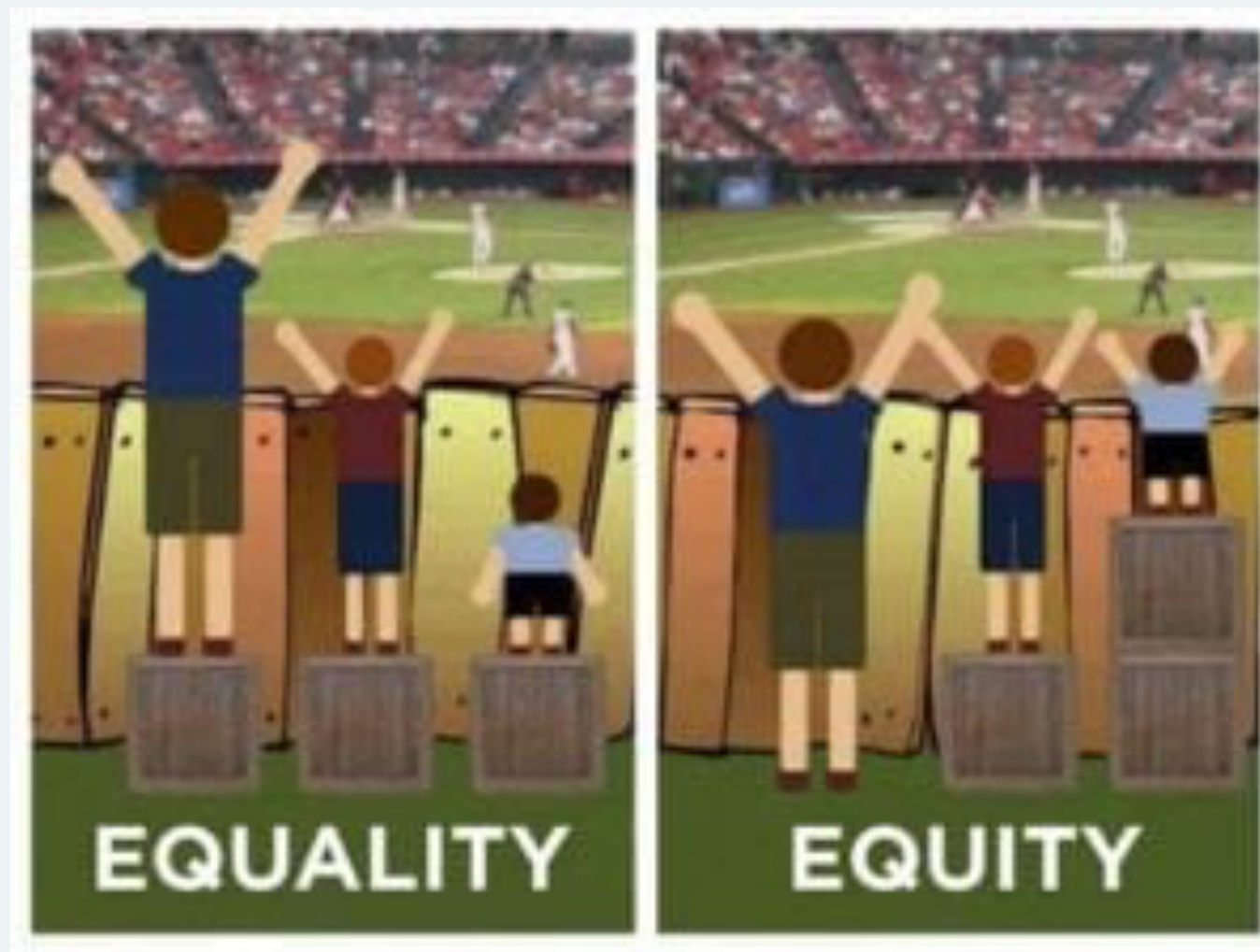
**A phone for primates.**



# Cognitive technology

- an extremely potent cognitive technology: **language**
- ability to create tokens representing complex relationships

**Equality is not the same as equity.**



# Cognitive technology

- why are languages so much like PSSs?
  1. the human brain is also a PSS
  2. to complement the operation of our fundamentally connectionist brains

ambiguity

# Cognitive technology

- mental imagery vs. external images

