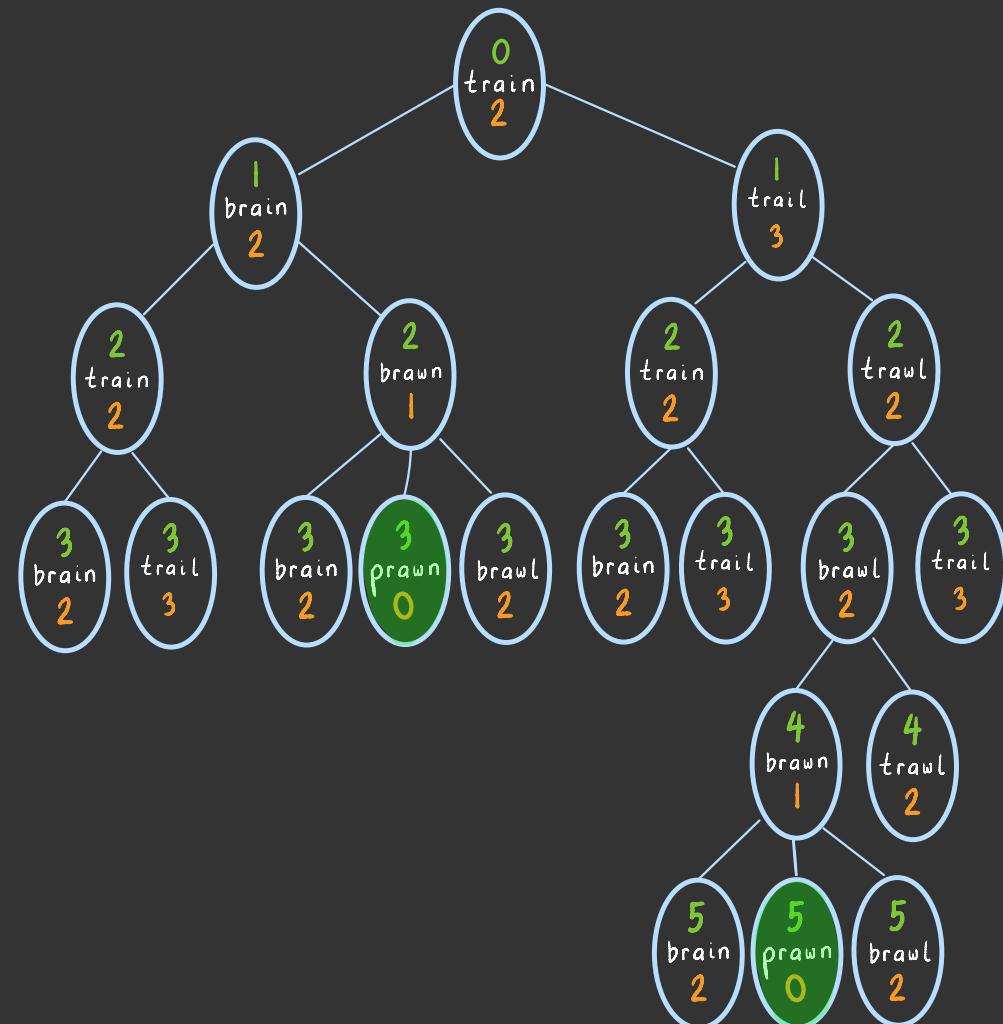


A* search

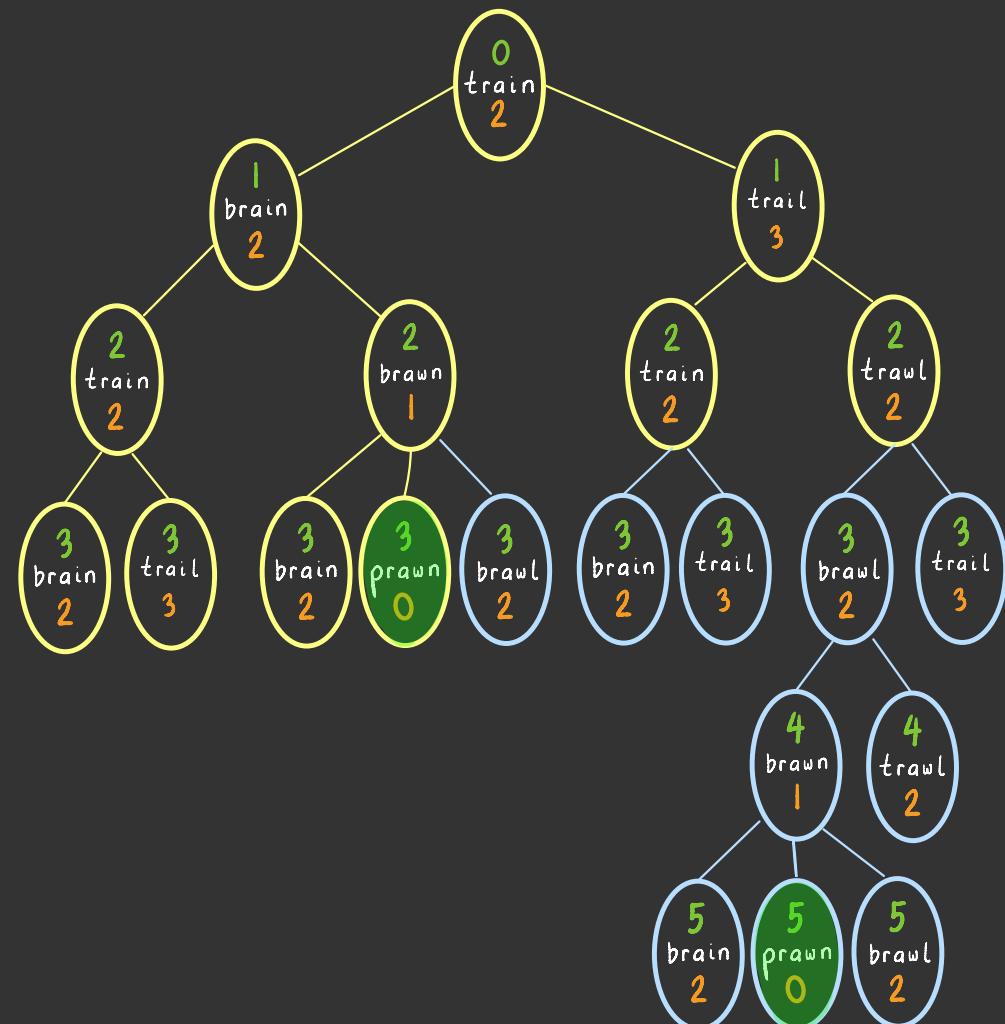
CSCI
373

the power of
guessing

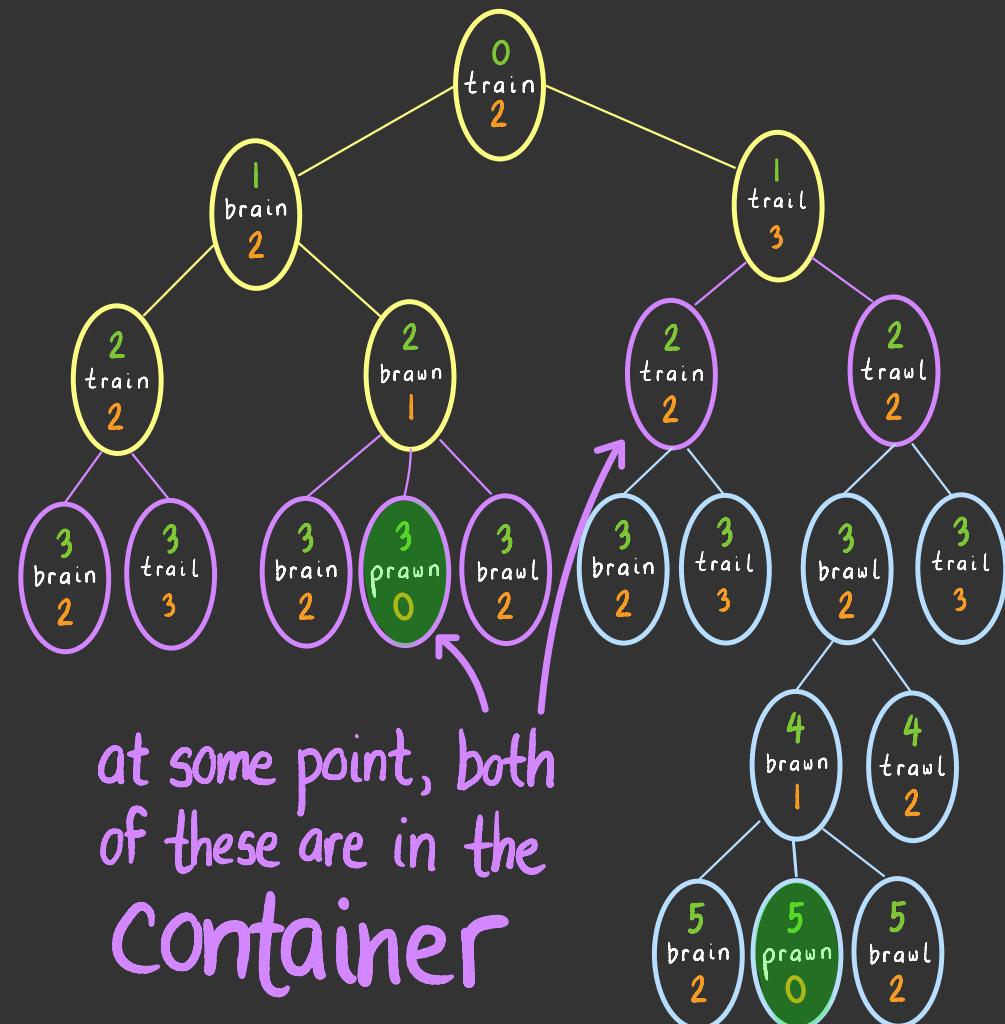


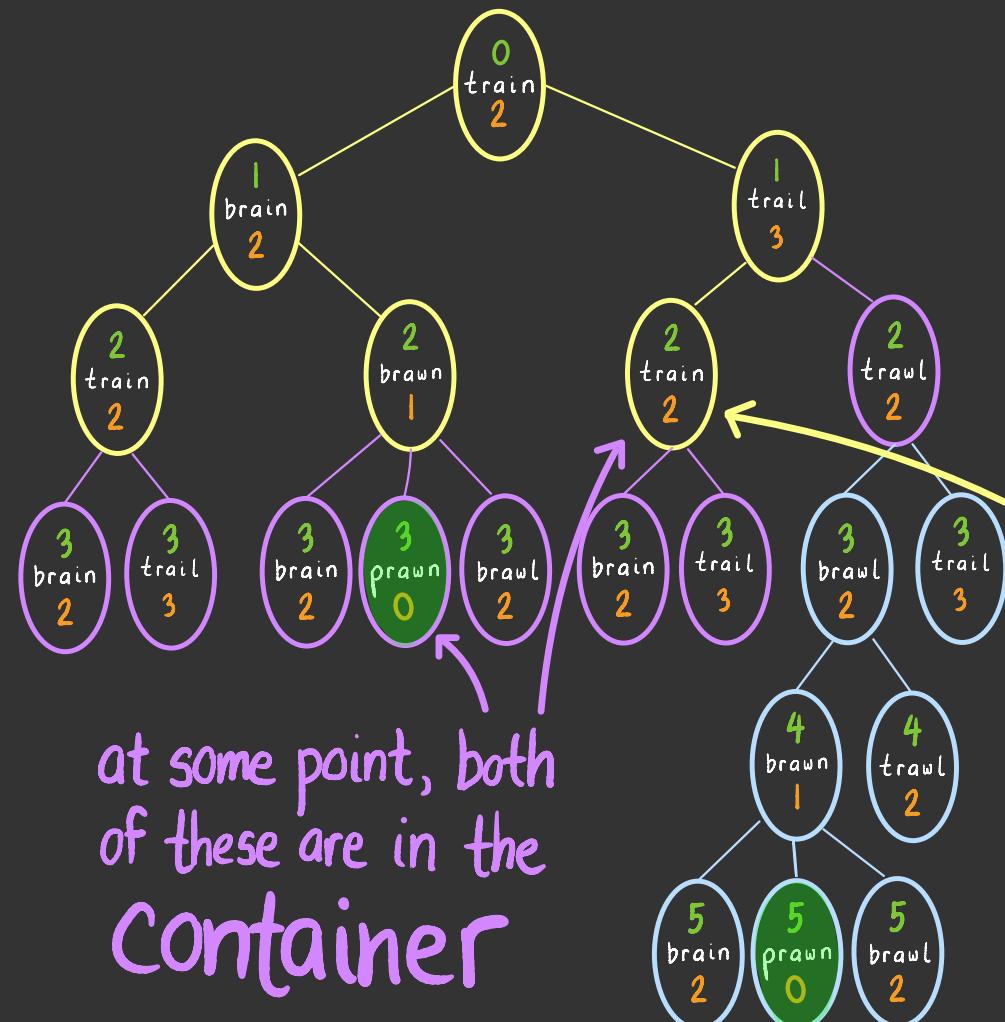


which nodes does
UCS visit prior
to visiting a
goal node?

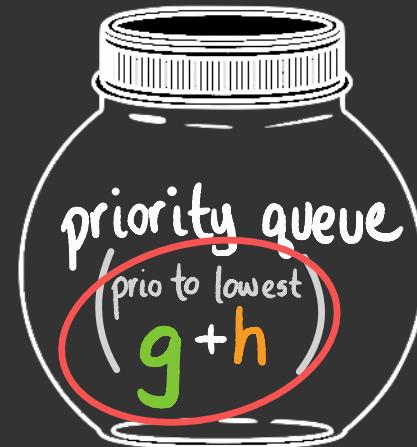
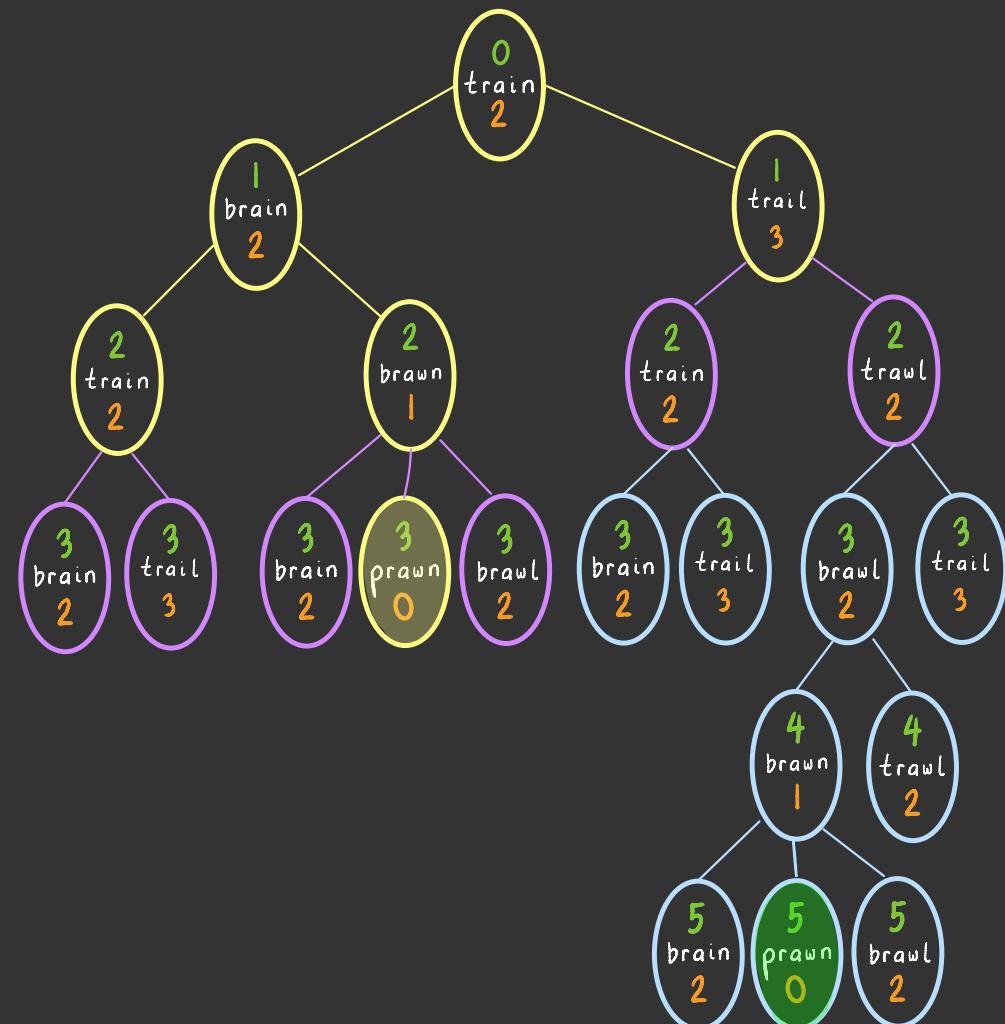


UCS visits all nodes up to the Solution depth

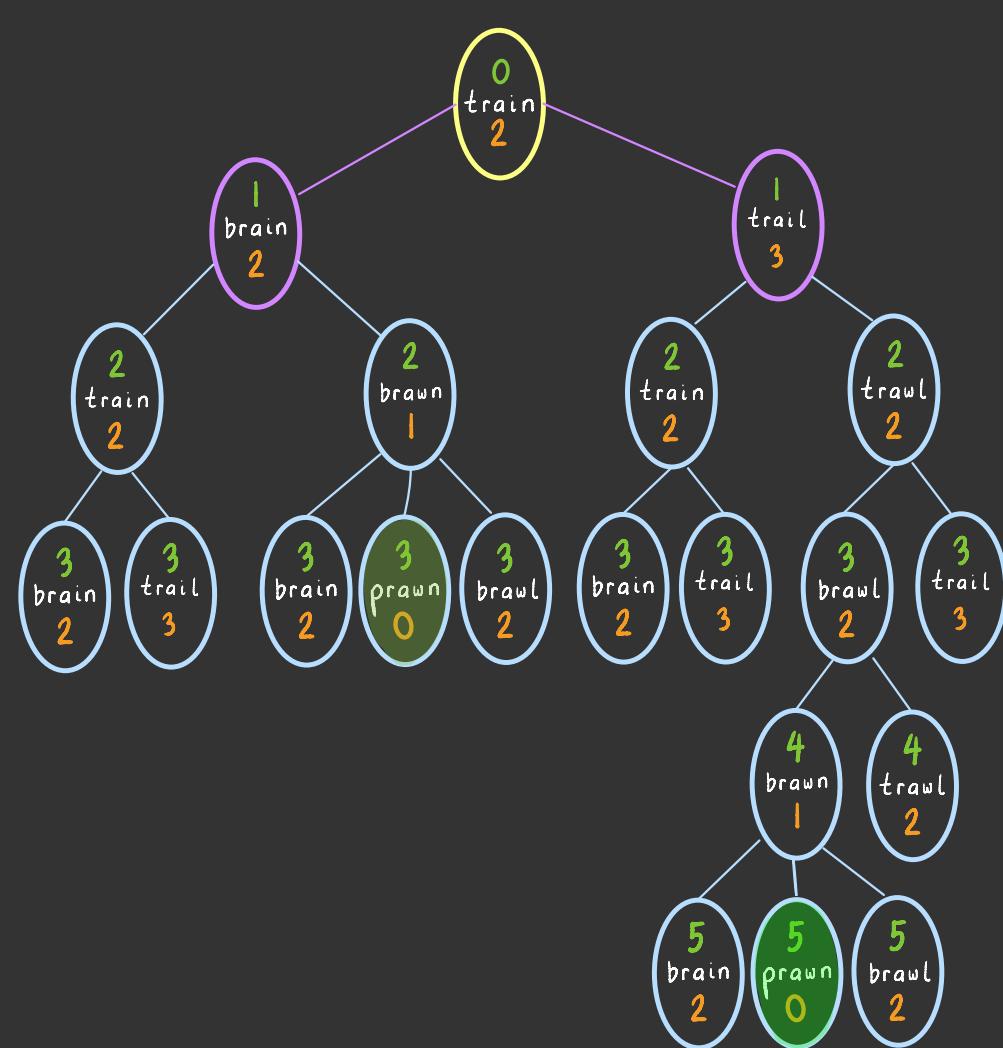


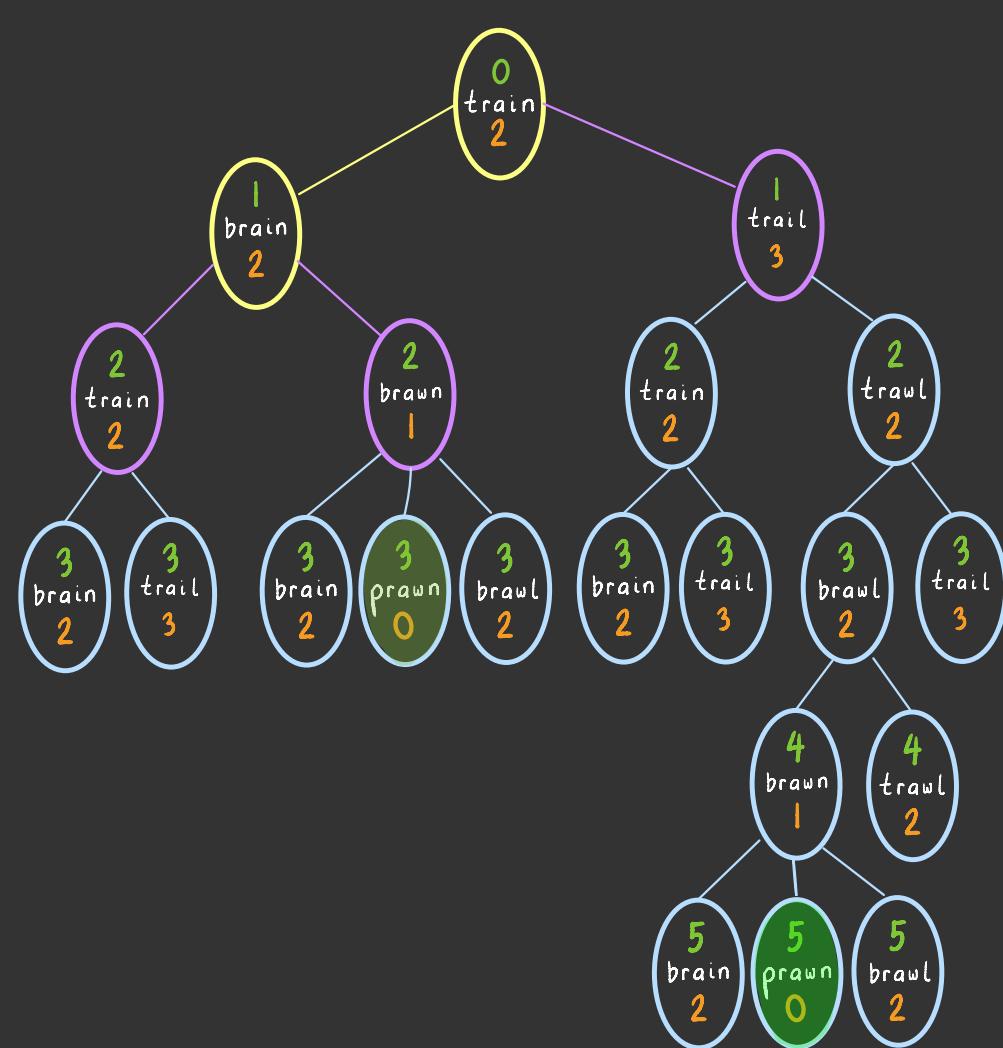


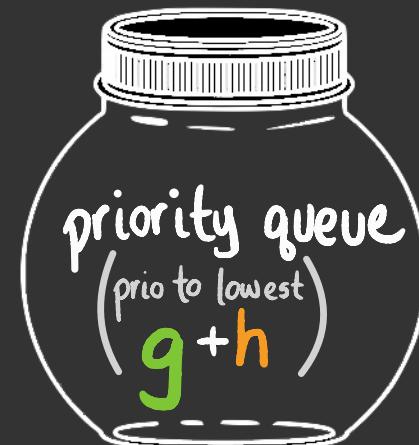
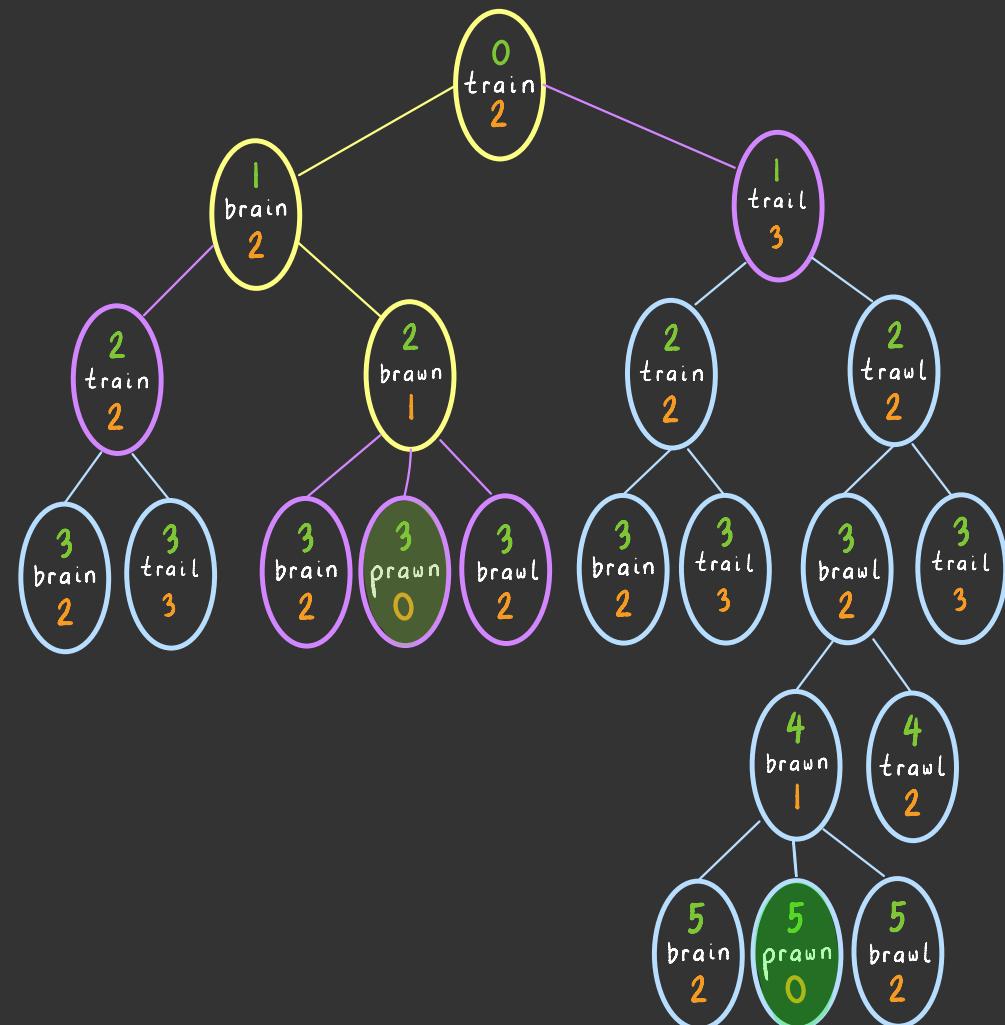
UCS visits
this one
but that doesn't
seem sensible

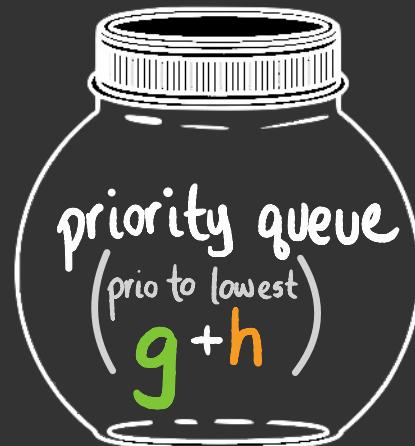
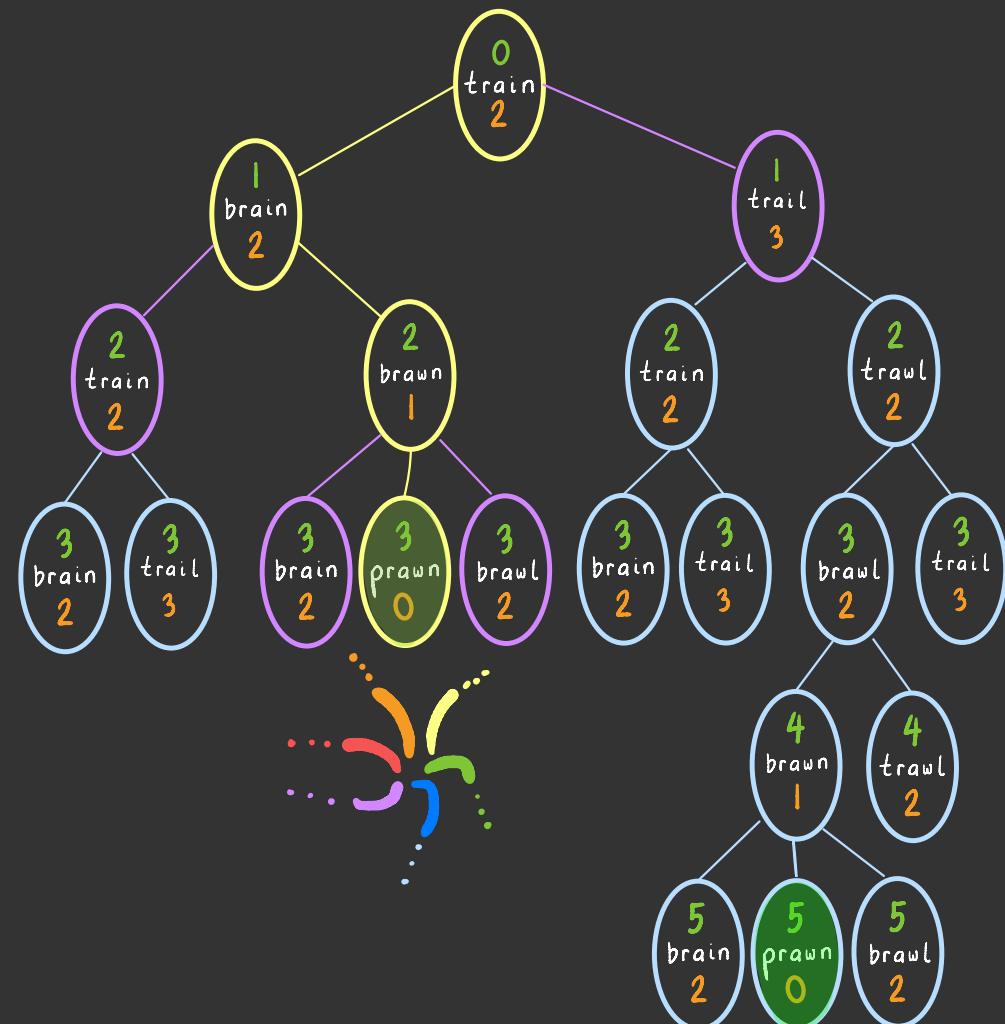


what if we change the priority function?

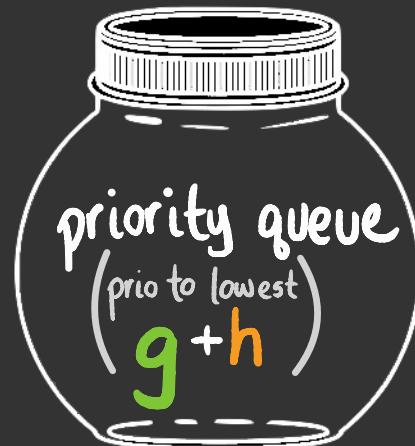
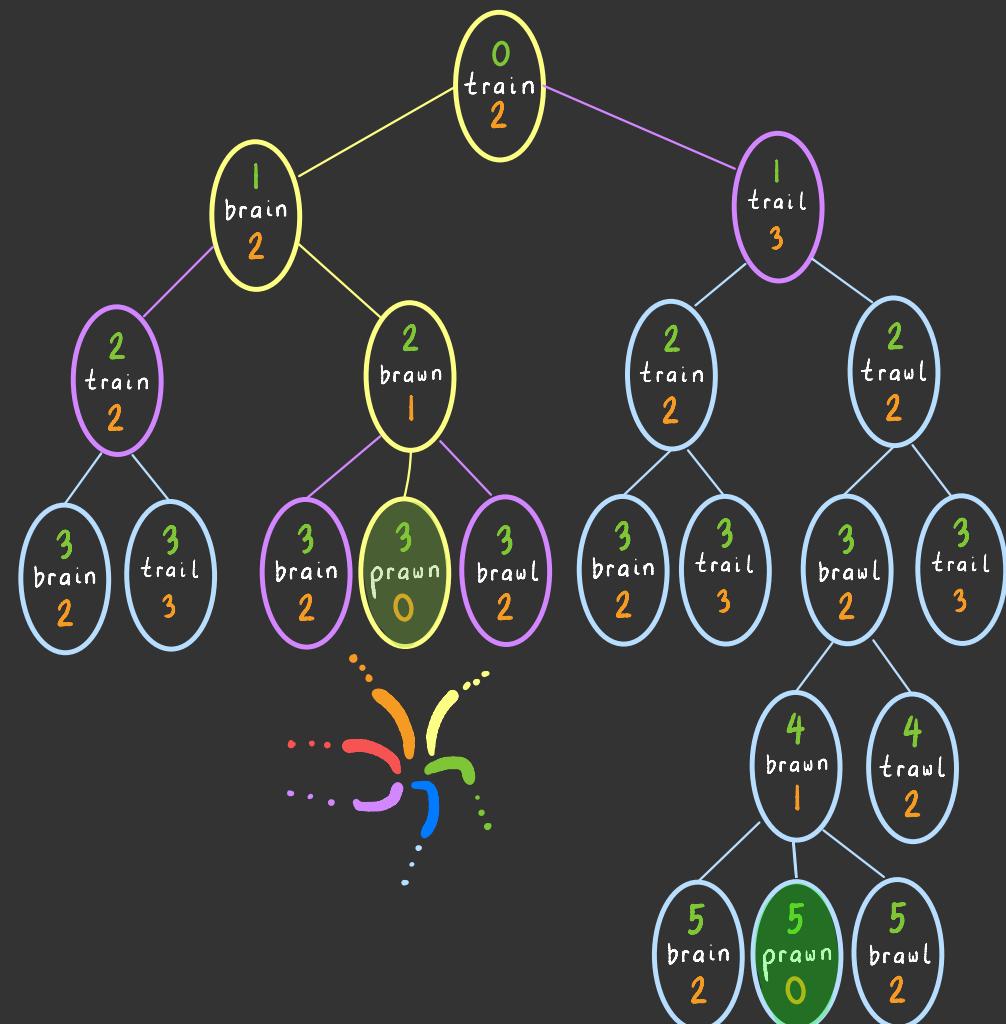






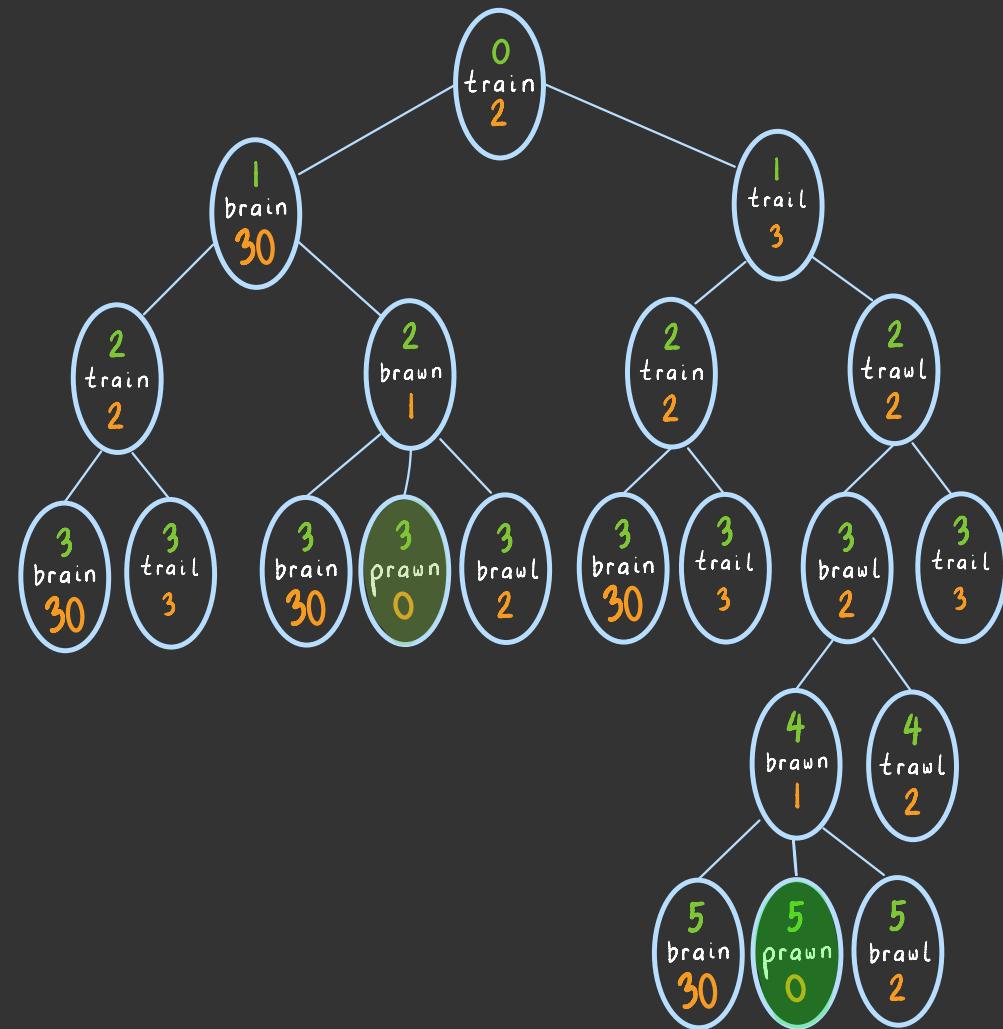


search with this
container is called
A* search

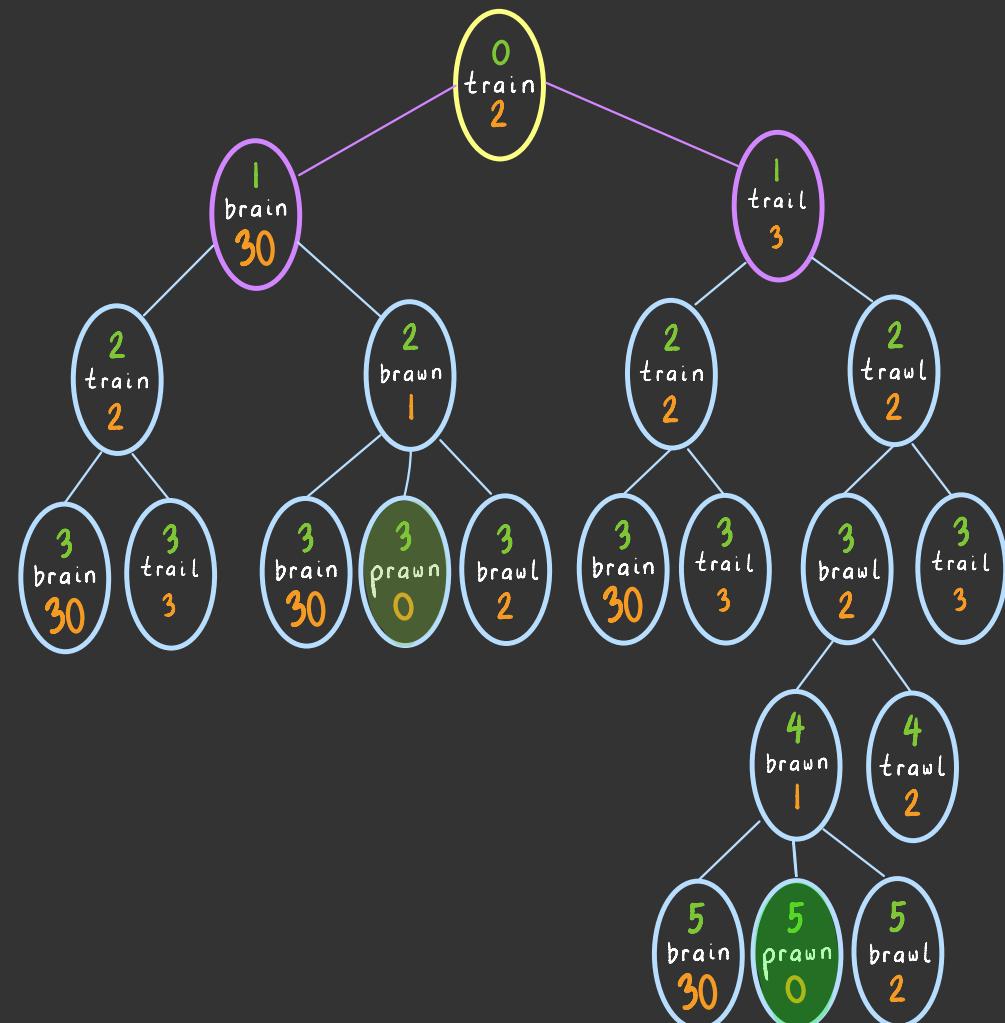


is A* search
optimal?

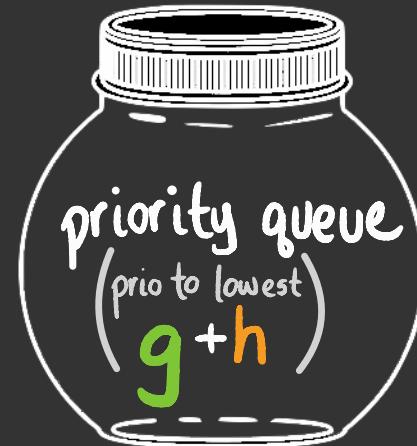
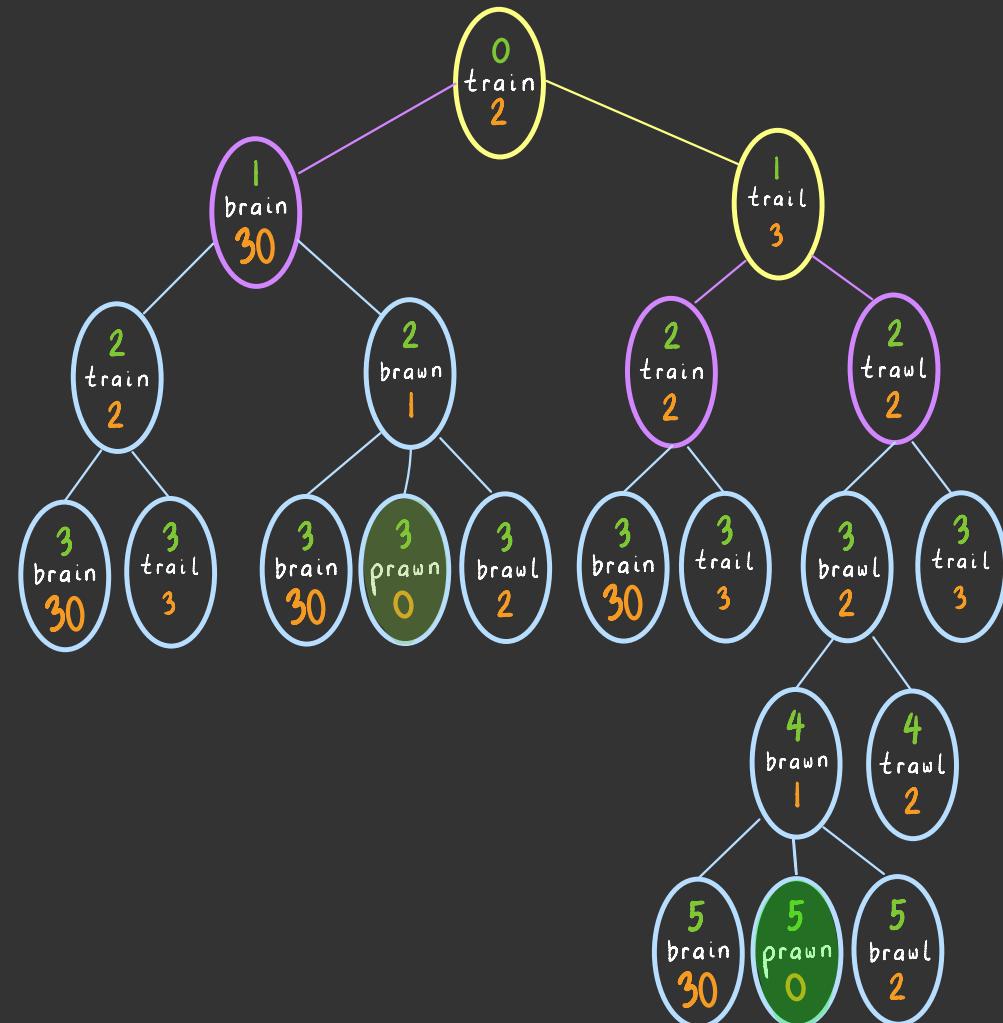
your answer here



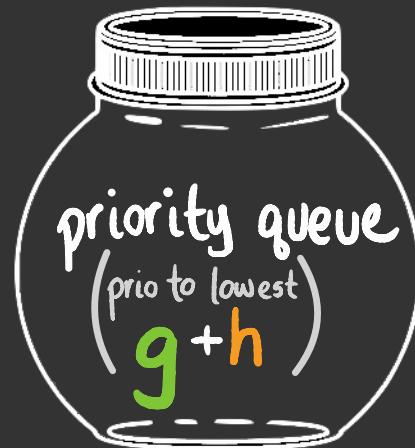
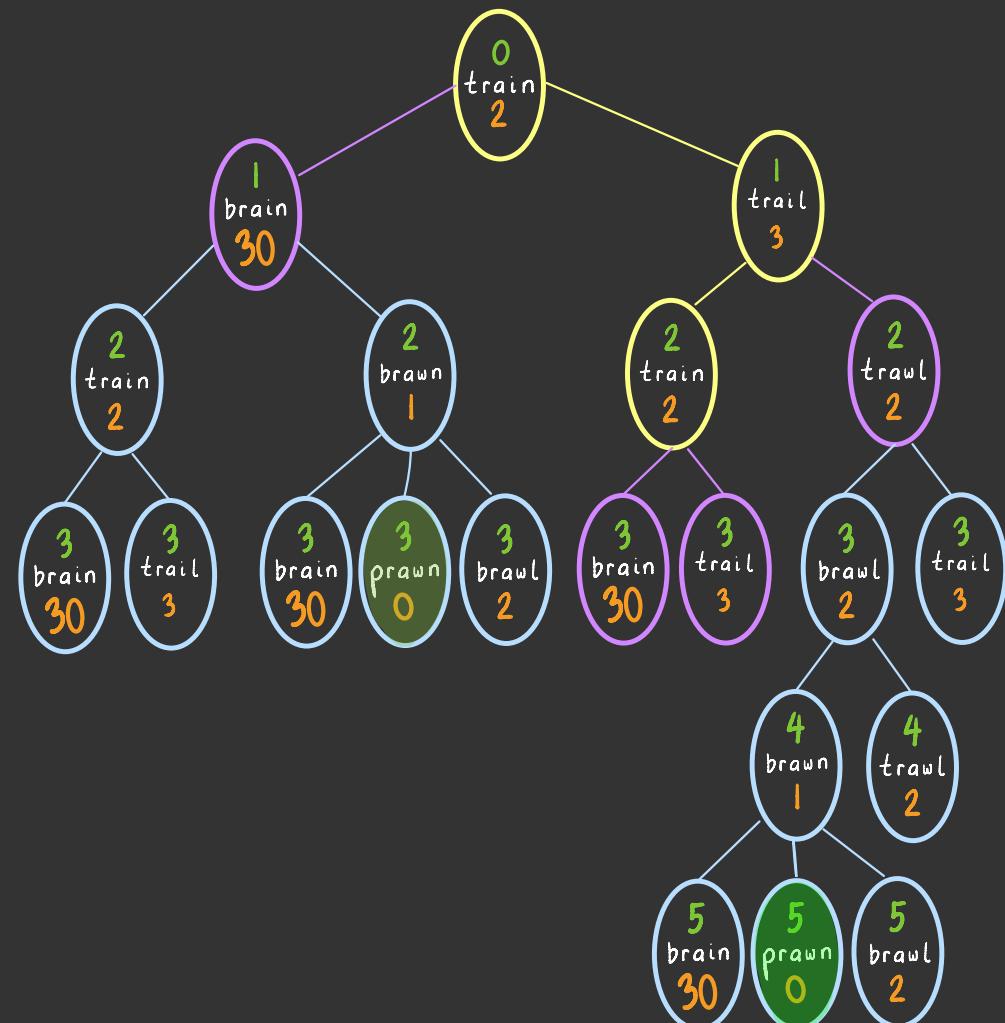
is A* search
optimal?
not if we're bad
at guessing



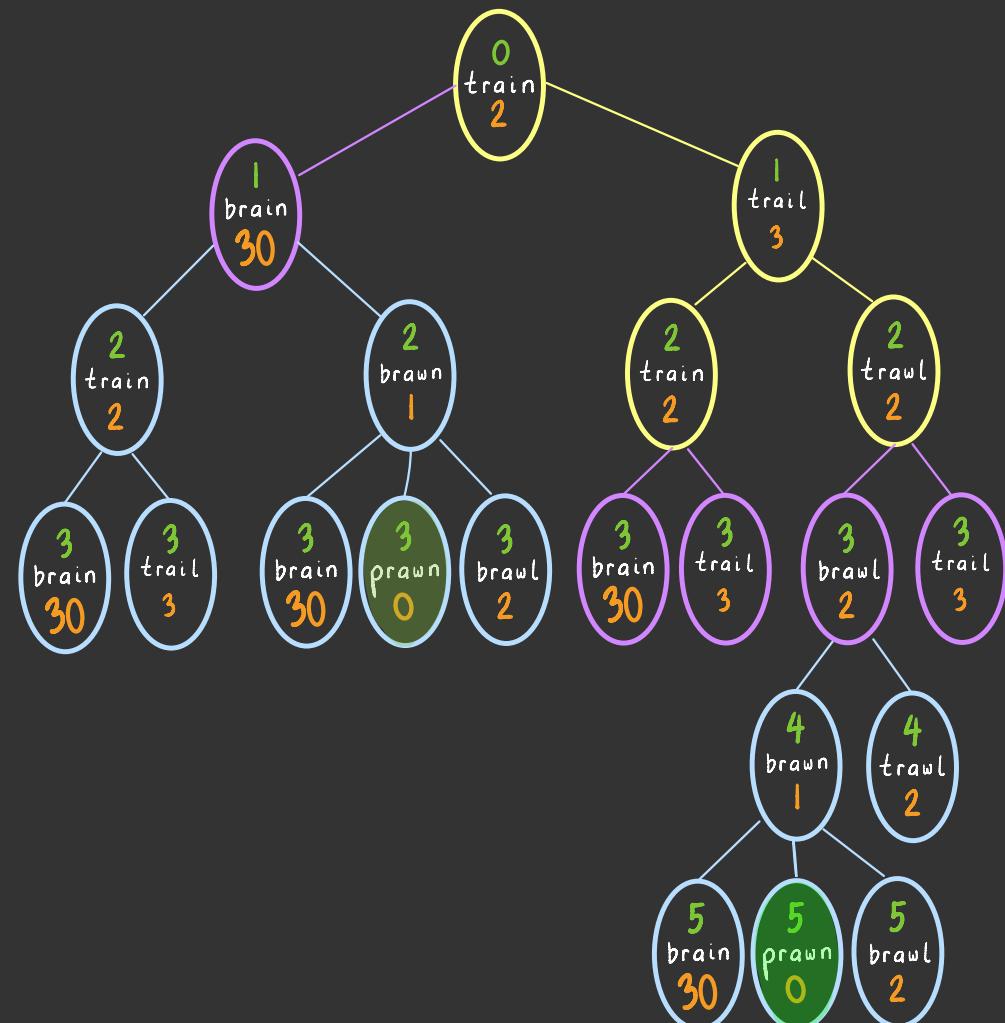
is A* search
optimal?
not if we're bad
at guessing



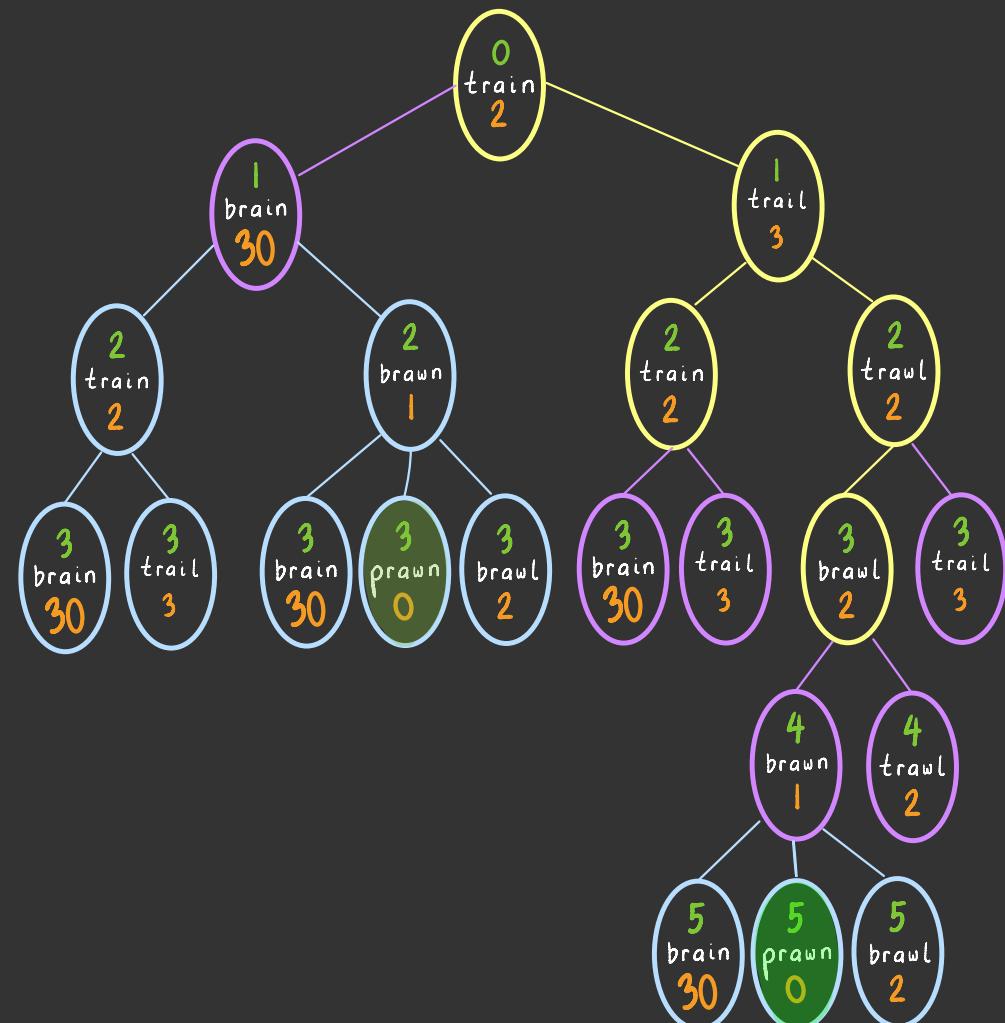
is A* search
optimal?
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at guessing



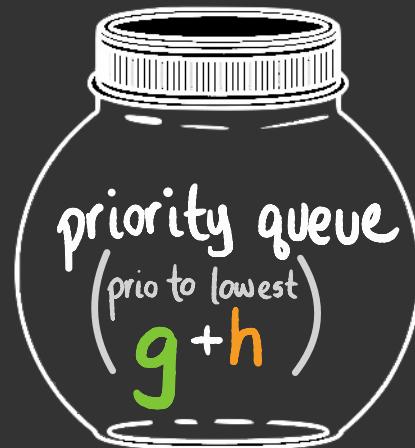
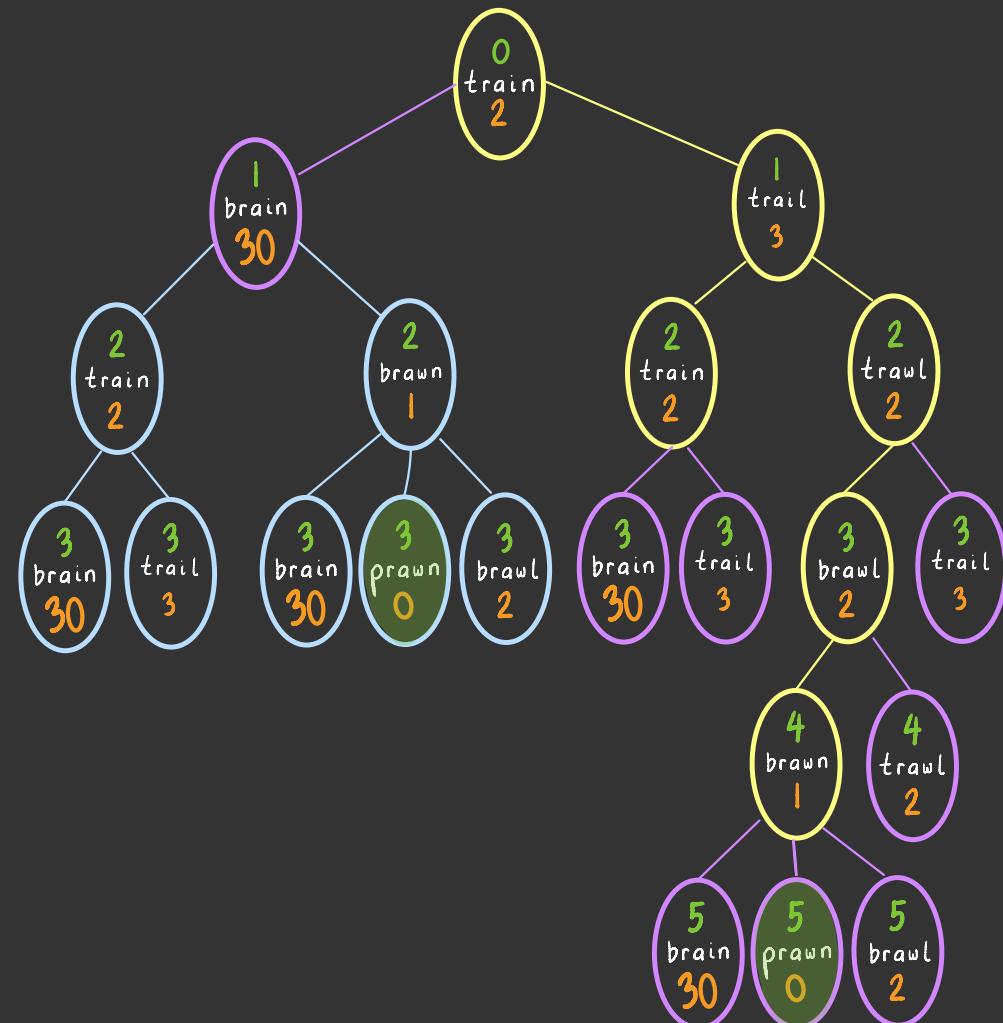
is A* search
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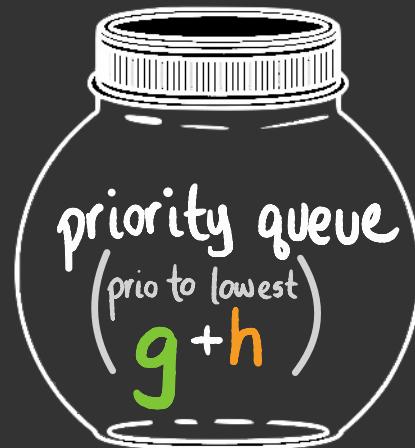
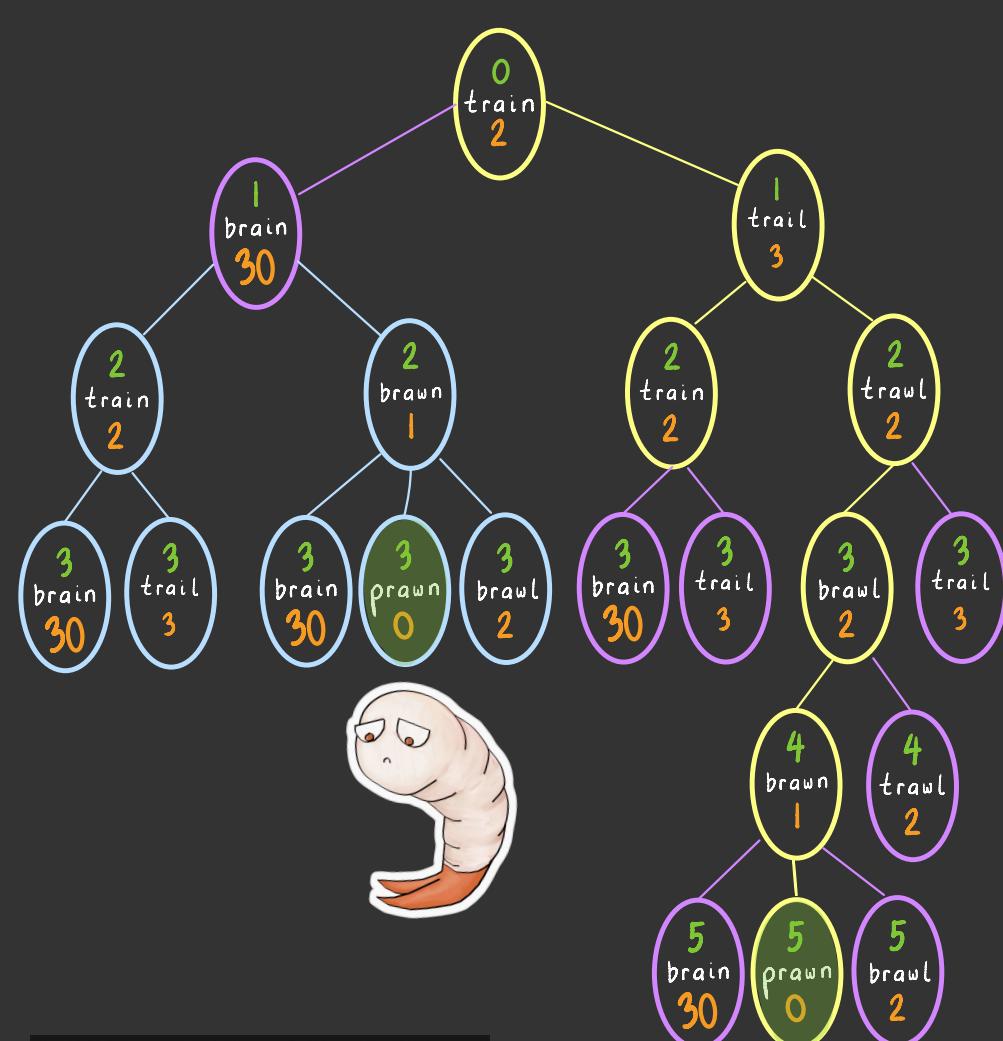
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