

Search: modeling





Farmer Cabbage Goat Wolf

Actions:

F⊳ F⊲

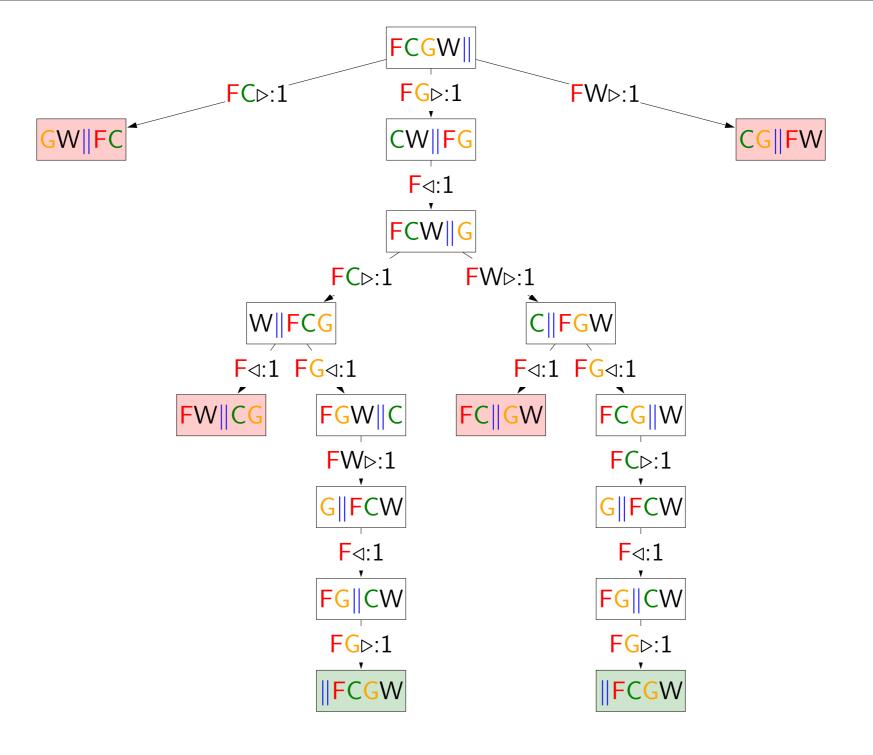
FC⊳ FC⊲

FG⊳ FG⊲

FW⊳ FW⊲

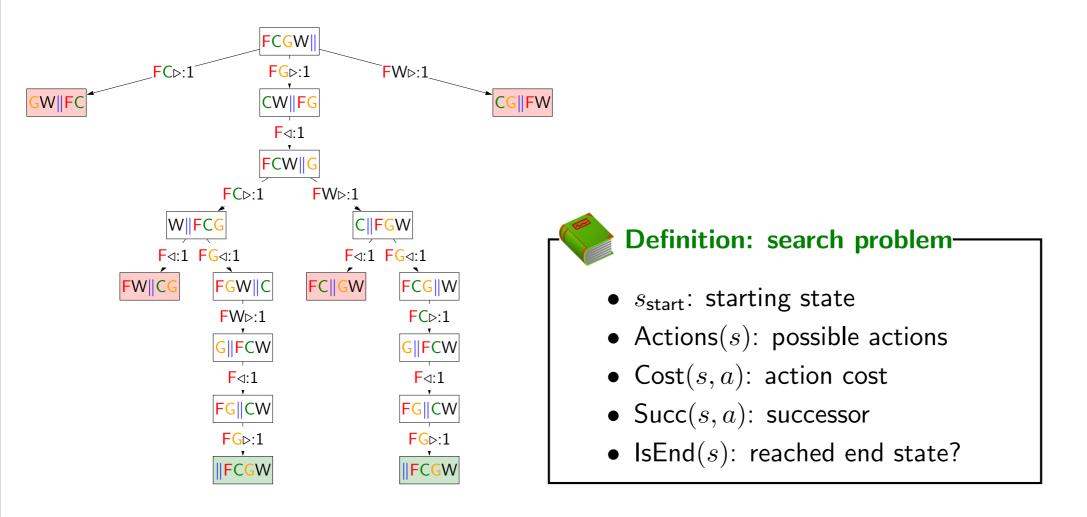
Approach: build a **search tree** ("what if?")

CS221



CS221

Search problem



CS221



Transportation example



Example: transportation-

Street with blocks numbered 1 to n.

Walking from s to s+1 takes 1 minute.

Taking a magic tram from s to 2s takes 2 minutes.

How to travel from 1 to n in the least time?

[semi-live solution: TransportationProblem]

CS221 8