Wednesday, October 5, 2016 9:34 AM

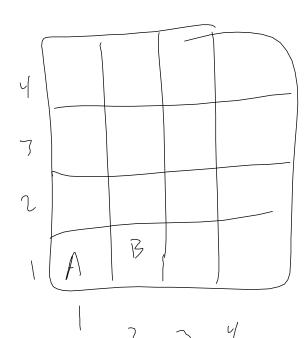
Propositional Logic

- Knowledge representation language in which a possible world is represented by a number of propositions that are true or false
- · Primitives:

- *→* ∧, ∨, →, ¬, ↔,
- →• TRUE, FALSE
- →• ()
- Formulae

OneNote Online

- Agent sense atoms and infers the truth of other atoms that are not directly
- Query: Am I in a world in which P is true, given that I have observed Q?



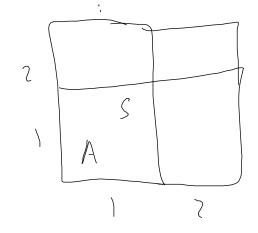
"A sque is breezy iff there is a pit in an adjacent cell"

"B2, is breezy iff a pit in (3,1) or (2,2) or (1,1)"

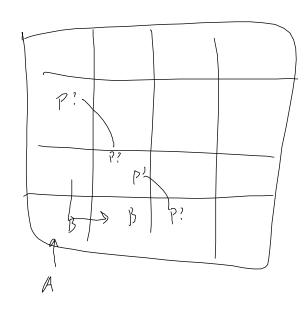
B2, \(\rightarrow \right

11 B. is been, "

Wiery "Ts (3.1) safe" S3, -> 7P3, 17 W3,



Shoot Right "(vercing the environment"



Can't handle thy
situation w/
probabilistic reasoning.

(an we add probability to logic?

Shoot Acrow 0.3 7 W Sprintler 0.99 wet Gass
Wetgrass 0.7 Rain
Sprintler 2.693 Rain