

























Proof by Perfect Induction					
Prove that P, \neg P v Q \Rightarrow Q					
	Ρ	Q	$\neg P v Q$	$P \land (\neg P ~ v ~ Q)$	$(P \land (\negP \lor Q)) \to Q$
	т	т	Т	Т	т
	т	F	F	F	т
	F	т	т	F	т
	F	F	т	F	Т
L	Univ. of V	Vash.	Inference v	vith Propositional Logic	16



Univ. of Wash. Inference with Propositional Logic 17

Perfect Induction: Characteristics

- Goal directed (compute only columns of interest)
- Always exponential in time AND space (as a function of the number of propositional variables)
- Somewhat understandable to non-technical users
- Straightforward algorithmically
- Not considered appropriate for general problem solving.

Univ. of Wash. Inference with Propositional Logic 18















