Definitions Terms, terms; Seems to be clear that there is a vernacular necessary to understand slides to rosette itself. Interpretation I for propositional formula, I, maps every variable in F to truth Value. - I is a satisfying interpretation of F, written I FF, if F evaluates to true under I.

- I is a falsifying interpretation of F, written as I # F, if F evaluates to false under I.

- A model is a satisfying interpretation Base Cases Inductive

I # T

I # F

I # L

A

I # P ; ff I P = true V

I HP 1A IBI= Folse I FF, ->F2 AT I FF, or IFF. IFF, AF IFF, and IFF2

or IFF, and IFFZ

Example: F: (PNa) -> (PV-9) I: Ep= true, q> false}

evaluates to true so IFF

Fis satisfiable ; ff I = F for some I
Fis valid; ff I = F for all I Duality of Satisfiability and validity:

F is valid iff -F is unsatisfiable This is important for Formulas F, and Fz are equivalent written F, => Fz iff F, => Fz isvalid. Formulas Frimplies Fz written Frantz iff Frantz isvalid Thoughts before normal forms: Wow terminology of definitions help me so much.
Now to normal forms...
Probably should've read these before Hws...

