Cecture 4B

- O interpretation sutisfies sentence it: O makes I true

- O models 5 - Formula is satisfiable/consistent, if has Model - Formula = Valid IF if All interpretations sut is fay it - monsistent means formula has no models -o Interpretation SATISHES formula IF universal closure subtisfied - o tokailment: Formula op entuited by set of formulae F (F)

T-> D is valid of I also

TUE-703= false, 1 N Consistents 15 how \$ 15 VALID -o How dowe REASON in FOL 3

-o Forward chaining: generate consequences
#Dutalon

-o Buckward reduction: subgood reduction

#Polog - A -> B A: Maders Ponens #Furdamental FOL



