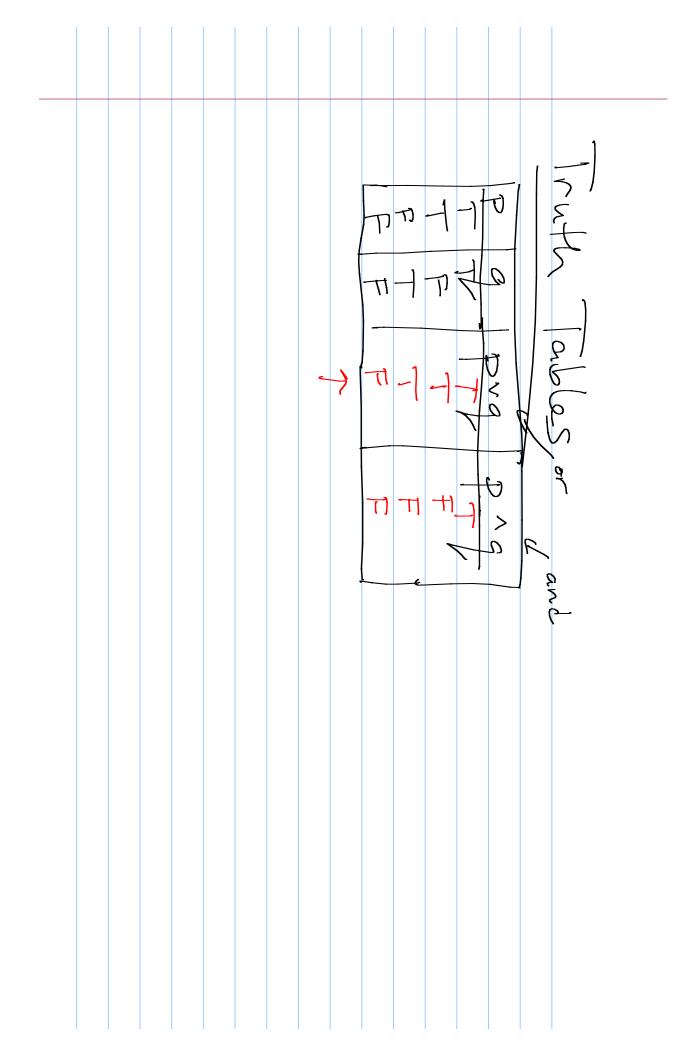
Note Title Math 35- Discret Nath - HWO- due this Friday -Syllabus posted 1/11/2010

10010 tympiquous: jalse, but م Money 15 worth 1ess proposition is a declarance 278 The sky is S ر 20 ما 100 Cream. つです 85

Veganohe negation of P, written IP, is the stetement: D 1 5 = "The sky is not yellow" The Sky (S is not the case that p" yellow"

Conjunction: "p and q" written p 19/are true

4 15 false other wise p 4 9/are true Onjunction and Disjunction 15 Junchon then: por q", written pug, is



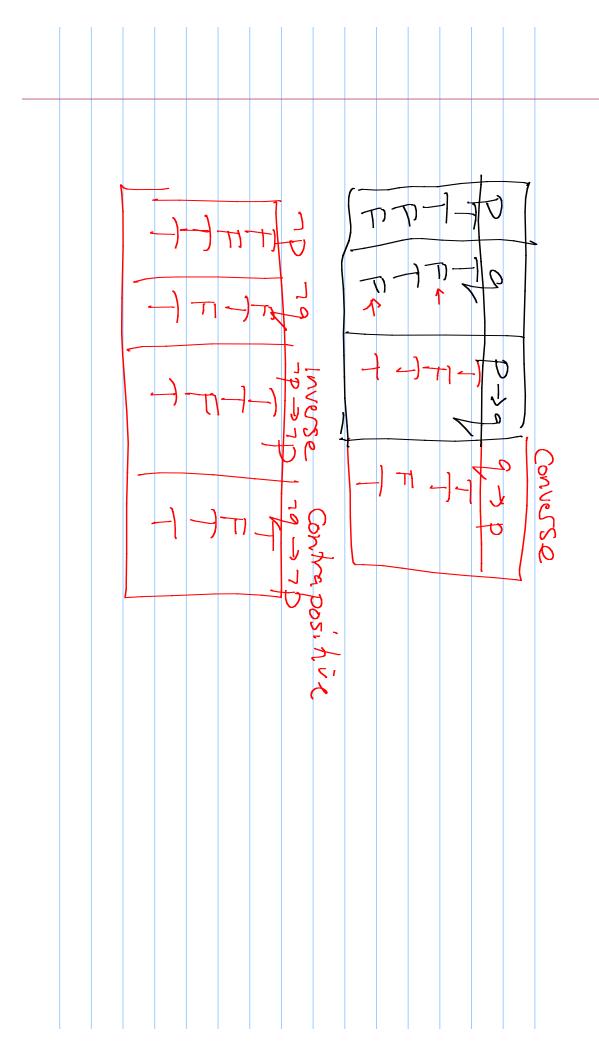
|  | True when exactly one of p a g | Exclusive Or: PAG |
|--|--------------------------------|-------------------|
|  |                                |                   |

mph cators: saildui Pother a" S am elected = 11 true/ /swe/

(and is take when p is true and g マトロ racususly truc

| - |  |  |  |  |  |                                   |  |  |                     |
|---|--|--|--|--|--|-----------------------------------|--|--|---------------------|
|   |  |  |  |  |  | "If today is Friday, then 2+5=7." |  | "IT It Is Supris there we will so to the | txamples to porder? |

TXSCASC: Converse, Linuerse, 4 Contrapositive Contra positive is INVESSE CONVERSE 300 0 5 15 the Statement Saldia



Propositions that have the same truth Example? -091Ca Dates Statement tow valence Its Contropositive Ø Chuivalen-

