Sept. 25, 2006 Pg. 14-15: Written: 1-18 (all): No Truth Values **1.** *p* ∨ *q* 2.  $r \lor p$  q∨~r r∨~ p 4.  $\sim p \vee r$ 6.  $\sim r \wedge \sim (q \vee p)$ The Thames flows through London or the Seine flows through Paris The Thames flows through London or the Nile flows through Rome The Seine flows through Paris or the Nile flows through Rome 10. The Thames does not flow through London or the Seine flows through Paris 11. The Thames does not flow through London or the Seine does not flow through Paris 12. The Seine flows through Paris or the Nile does not flow through Rome 13. The Thames does not flow through London or the Nile does not flow through Rome 14. The Seine does not flow through Paris or the Thames flows through London 15. Either the Thames flows through London or the Seine flows through Paris, or the Nile flows through Rome. 16. The Thames flows through London, or either the Seine flows through Paris or \*heNile flows through Rome 17. Les false that the Thames flows through London or that the Seine flows through Paris 18. It is false that the Thames flows through London or that the Nile does not flow through Rome

Title: Sep 26 - 7:52 AM (1 of 7)

1.4. Cont.

Sept. 25, 2006

Recall: about Conjunction

It is True ; fbothare True

Disjunction: is the Reverse

It is False if Both are false

everything else is True.

## Truth Table of Disjunction Conjunction P19

Title: Sep 26 - 9:00 AM (3 of 7)

T.T. for DV~9 Treference

Title: Sep 26 - 9:04 AM (4 of 7)

Let P > Chicago is in Iowa > F

Q > Portegues is the Language of Brazil r= 62=36 >T Write the Sentences + find the Truth Value of the following. TVP > 6=36 or Chicago is intown TVF Language of Brazil or
FVF = F

PV(qv~r) [T.V. only FV(TV~T) FV(TVE) FV(T) = [

 $FV(a_{\Lambda}^{})$  FV(T) FV(T) FV(T) FV(F) = F

Title: Sep 26 - 10:09 AM (6 of 7)

O.T.L.

Opg 14-15: written:
1-18: Determine the
Truth Value

Pg 15: 19,20,

Title: Sep 26 - 7:52 AM (7 of 7)