Name _____ Date _____

Disjunctions [asks for Logic Table] - Guided Lesson Explanation

Explanation # 1

The symbol " **V** " signifies inclusive disjunction a **V** statement is true whenever either (or both) of its component statements is true; it is false only when both of them are false.

K	S	K**v**S
T	T	T
F	F	F

Explanation # 2

If the original is true, the ~ statement is false, and if the original is false, the ~ statement is true. In truth table original of G is true, than ~G is false.

The symbol " **V** " signifies inclusive disjunction a **V** statement is true whenever either (or both) of its component statements is true; it is false only when both of them are false.

G	H	~G	~H	~G **V** ~H
T	T	F	F	F
F	F	T	T	T

Explanation # 3

If the original is true, the ~ statement is false, and if the original is false, the ~ statement is true. In truth table original of ~T is true, than ~T is false.

T	K	~T	~T **V** K
T	T	F	T
T	F	F	F