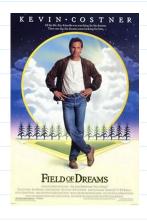
Tuesday, February 22, 2022 12:36 PM

Conditional Statements and Circuit



Recall the following line from field of Overing

" If you build it, they will come"

P ~ 79

(onditional If P, then 9
Statement If P, 9

(p implies q)

P 2 P -> 2 T T T T F F F T T F F T

P -> 9 1 anteredent consequent

1. If the autident is false, then P-29 is true

2. If the Consequent is True, then p-19 is true

3. P-> 2 is false only when antecedent is true and consequent is false

Construct truth table

 $(1) (p \wedge q) \rightarrow (p \vee q)$

P	9	~P	~9	~P -> ~9	PAQ	[(~P->~9) -> (PA9)
Ī	T	F	F	T	I + I	T
Ť	F	F	τ /	T		F
F	-	T	r l	_ c		7
					-	1
F	FI	T	7	T	F	F