- A Yes this is. 5+2=7 is aproposition no voriables present so it is. It shows a statement that is either true or take
 - no, there is no statement that is either true or false
 - Yes, this is a true or false statement. It most likely is false, but still could be proven
 - yes, this is a true or false that is also true, It is self dependent, but addressable

2 A p q	79	→ P	\	B par (eva) -r
T T F F P	FTFT	T T P	7-7-12	T

P	9	$p \to \neg q$)= 7PV-	79
T	Τ	F	F T	One weegen is that this is the
T F P	F T P	TTT	TTT	One reason is that this is the dis j active form shown to be true. Another reason is that the negation of a means that there are more case it can be true, this logically equivalent

(5) par	ρ -> (y → r)	(ρ→q	$\rightarrow \sim$
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TPTFTFT T	TPTTTFT T	7-42/6-1-	14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-

r change back and forth more than p so it will be hard for something to be equivalent