Formula sheet

Mathematical Logic.

· Logscal connective:

Types of compound statement Connective Symbol Example	es.
2) Distinction and A panda.	PAQ
3) Negation not	
conditional or implication if then - Trathen	, p - q
5) Bicondition or double implication if and only if \leftrightarrow piff q.	

Truth tables:

1) conjuction:	P	2	PN9	2) Disjunction	P	9.	PV9	
	T	T	T		Т	T	Т	
MINISTAN	T	F	F		T	F	T	
pullosb4-	F	T	F		F	T	T	
TETV	F	F	F	svitatumma) -	F	F	F	

3)	Negation:	P	-P	4) implication:	P	9	P - 9	
tres m	ilg fros-	T	F	- Associative	T	T	T	
The state of	Contract Con	f	T	in (Pr. Samer France)	T	F	F	
Ni-te	para mabit-			-distributive	F	T	T	1
		5	doub	le implication:	F	F	T	

3	P	9	PER	rogramats-
An	T	T	T	•converse: q -> p
	T	F	F	° inverse: ~p → ~q
	F	T	F	· contrapositive: ~ q -> ~p
	F	F	T	T COMPOSITIVE & Q. P.