

# DEFINING TRUTH TABLES FOR THE FIVE LOGICAL OPERATORS

APPENDIX C

# TRUTH TREE DECOMPOSITION RULES


  


  


# RULES OF INFERENCE AND REPLACEMENT

1.		2.		3.	
4.		5.		6.	
7.		8.		9.	

The following sets of logically equivalent expressions can replace each other whenever they occur:

10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		