

Natural Deduction Proof

Name: _____ Exercise: _____

Depends <i>(blank = none)</i>	Line	Formula	Justification
	(1)		
	(2)		
	(3)		
	(4)		
	(5)		
	(6)		
	(7)		
	(8)		
	(9)		
	(10)		
	(11)		
	(12)		
	(13)		
	(14)		
	(15)		
	(16)		
	(17)		
	(18)		
	(19)		

Rules. Write the rule exactly as printed here. (*m*, *n* stand for line numbers.)

A	m, n MP	m, n MT	m DN	m, n CP
m, n $\wedge$ I	m $\wedge$ E	m $\vee$ I	m, n RAA	m QN
m $\vee$ E	m $\forall$ I	m $\exists$ I	m, a, n $\exists$ E	d, a_1, c_1, a_2, c_2 $\vee$ E
m, n $\leftrightarrow$ I	m, n $\leftrightarrow$ E	=I	m, n =E	LEM

HLW-2