Practice Exam 2

18 Rules:

Use the 18 rules of inference to derive the conclusion of the following arguments. Do **not** use either conditional proof or indirect proof.

a.

1. K V (S • N)

2. ~(K • ~Q)

3. ~(N • ~Q)

/ Q

b.

1. $M \supset (R \cdot E)$

2. (E V H) ⊃ G

 $/M\supset G$

C.

1. ~(O⊃R)⊃S

2. O⊃~S

/~O v R

d.

1. ~I ⊃ (K ⊃ ~R)

2. $I \supset (K \supset A)$

3. A ⊃ M

4. K•~M

/~(R v I)

Conditional Proof:

Use the 18 rules of inference and the conditional proof method to derive the conclusion of the following arguments. Do **not** use indirect proof.

e.

1.
$$P \supset (I \supset W)$$

f.

Indirect Proof:

Use the 18 rules of inference and the indirect proof method to derive the conclusion of the following arguments. Do **not** use conditional proof.

g.

1.
$$C \supset (D \supset H)$$

h.

1.
$$(P \lor F) \supset (A \lor D)$$