

Homework # for ECS 20

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This assignment was made with L^AT_EX.

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1 Question 1

p	q	r	$\neg q$
T	T	T	F
T	T	F	F
T	F	T	T
T	F	F	T
F	T	T	F
F	T	F	F
F	F	T	T
F	F	F	T

2 Question 2

2.1 part 1

2.2 part 2

1. $(q \wedge (p \Rightarrow \neg q)) \Rightarrow \neg p \longrightarrow$ Original statement.
2. $(T) \longrightarrow$ Truth or (something) is Truth.

3 Question 3

3.1 part 1

$$\begin{array}{l} \text{Modus Ponens} \quad \frac{p \rightarrow q}{p} \\ \therefore q \end{array}$$

3.2 part 2

3.3 part 3

4 Question 4

5 Answers

My answer for 1 , 2 , 2.1 , 2.2 , 3 , 3.1 , 3.2 , 3.3, 4 is on page ii.