Foundations of Mathematics Thursday 27 August 2020

Math 300 Sections 902, 905 Class worksheet

Answers to Concept Quiz 2.1

1. Consider the following truth table:

P	Q	1	2	3	4	5
Т	Т	Т	Т	Т	F	F
Т	F	Т	F	F	F	Т
F	Т	Т	Т	F	Т	Т
F	F	F	Т	F	Т	F

Which column corresponds to the given compound sentence?

- $4 \neg P$
- $1 P \lor Q$
- $2 \neg P \lor Q$
- $3 \ P \wedge Q$
- $2 P \rightarrow Q$