

GRAPH THEORY TW782

Assignment 1 (due Friday 28 July 2017)

Read Chapter 1 of *A First Course in Graph Theory* by Chartrand and Zhang, as well as *Notes on logic*, and then do

1. exercise 1.12
 2. exercise 1.15
 3. exercise 1.16
 4. exercise 1.20
 5. exercise 1.22
 6. exercise 1.24
 7. exercise 1.25
 8. exercise 1.26
 9. exercise 1.27
 10. Make use of truth tables to show that $P \Rightarrow Q$ and $(\sim P) \vee Q$ are logically equivalent statements.
 11. Make use of truth tables to show that $P \Rightarrow Q$ and $Q \Rightarrow P$ are not logically equivalent statements.
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