

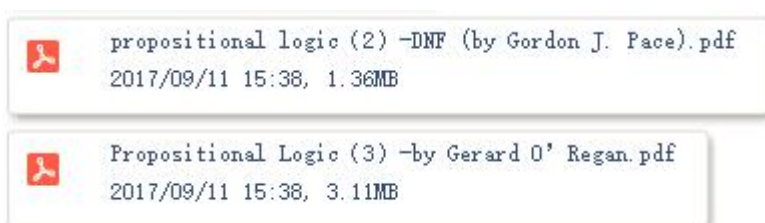
课后作业 (Assignments)

一、阅读教材 1.6 节，求解如下问题 (Problems)

1. 概述命题逻辑中的推理形式与推理方法。
2. 教材第一章习题：题 13, 14 题, 题 15 (3, 5) , 17 题;
3. Consider, for example, the following argument that aims to prove that Superman does not exist.

If Superman were able and willing to prevent evil, he would do so. If Superman were unable to prevent evil he would be impotent; if he were unwilling to prevent evil he would be malevolent; Superman does not prevent evil. If superman exists he is neither malevolent nor impotent; therefore Superman does not exist.

二、课外阅读 (Reading)



三、编程项目 (Programming) (Optional)

编程实现一个命题逻辑推理系统：输入形式化的推理描述，计算机自动判定该推理是否有效.