Assignments 6.2

一、阅读 (Reading)

- 1. 阅读教材.
- 2. 课外阅读:
- Application of Transitive Closures in Medicine and Engineering.pdf

 Set Theory (2) -by Gerard O' Regan.pdf

 C + 1 = 2

二、问题解答 (Problems)

- 1. 设 R₁, R₂ 为 A 上关系, 判断并证明下述命题:
 - (1) R₁反对称⇒t(R)反对称;
 - (2) $r(R_1 \cup R_2) = r(R_1) \cup r(R_2)$;
 - (3) $s(R_1 \cup R_2) = s(R_1) \cup s(R_2);$
 - (4) $t(R_1 \cup R_2) \subseteq t(R_1) \cup t(R_2)$;
 - (5) $t(R_1 \cup R_2) = t(R_1) \cup t(R_2)$;
 - (6) $R_1 \subseteq R_2 \Rightarrow r(R_1) \subseteq r(R_2)$;
 - $(7) R_1 \subseteq R_2 \Rightarrow s(R_1) \subseteq s(R_2);$
 - (8) $R_1 \subseteq R_2 \Rightarrow t(R_1) \subseteq t(R_2)$.

三、项目实践 (Programming) (Optional)

1. 编写程序,设计并实现关系闭包求解算法.