1. Do the following problems from Chapter 2, Section 2.8: 1, 3, 4, 5,

2. Do the following problems from Chapter 3, Section 3.9: 1, 4, 5

3. Prove, by using induction, that any right possessed by any vertex in the island can be shared with any other vertex in the island. Here you can refer to the cases related to 1 length $tg$-path discussed in section 3.3.1.