1. (10 points) Finding isomorphism by hand Do exercise 7.1 of the textbook.
2. (10 points) Certificate for trees

Do exercise 7.2 of the texbook. Simulate the algorithm by hand computation, showing your tree and labels at each step.
3. (10 points) Reverse the certificate for a tree

Do exercise 7.3 of the textbook. Show how the tree is built step by step.
4. (20 points) Certificate for graphs

Apply Algorithm 7.8 by hand, in order to compute a certificate for the following graph. Show your backtracking tree. (Note that before the first branch is explored, there is a call to procedure REFINE). (note this is the first algorithm seen, not the one where you prune with automorphisms)


