Homework #3

1. **Exercise 3-4 (Pg 99). (**Note that each element is an integer in [1,n]. This is not normally the case.)
2. **Exercise 3-6 (Pg 99).**
3. **Exercise 3-10, do the best-fit case only (Pg 100). (***Hint:* this problem is under the heading "Applications of Tree Structures!".)
4. **Exercise 3-27 (Pg 102).** (The problem doesn't ask you to do this and we don't expect this either, but just for a challenge, try to find a solution that is $O(n)$.)