

### Homework Set #4

1. (10 points) Exercise 5.2-4 (page 122)
2. (90 points) Problem 5-2 on p. 143-144, only the following:
  - (a)
  - (b)
  - (e)
  - (h) Only do the case in which  $k=1$ .
  - (i) Assume that the number of indices  $i$  such that  $A[i] = x$  is 1.