Grading Criteria For Assignment 1

Test Cases:

```
val t1 = table nil;
val t2 = table [(1,[2,3]),(2,[3,4,5]),(3,[4])];
val t3 = table [(2,["a","b"]),(1,["c","d"]),(3,["e","f","g"]),(4,["aa","bb","cc"])];
val t4 = table [(4212,["xiaoying","yun"]),(4211,["zhiyang","lu"])];

(*Q1*)
val l1 = lookup 3 t1;
val l2 = lookup 3 t2;
val l3 = lookup 3 t3;
val l4 = lookup 5 t3;
val l5 = lookup 4212 t4;

(*Q2*)
val tt1 = insert (4,0) t2;
val tt2 = insert (3,5) t2;
val tt3 = insert (5,"ff") t3;
val tt4 = insert (3,"e") t3;
val tt5 = insert (4211,"xinying") t4;

(*Q3*)
val c1 = valuecount t1;
val c2 = valuecount t2;
val c3 = valuecount t3;
val c4 = valuecount t4;
val c5 = valuecount tt5;

(*Q4*)
val h1 = hotkeys t1;
val h2 = hotkeys t2;
val h3 = hotkeys t3;
val h4 = hotkeys t4;
val h5 = hotkeys tt5;

(*Q5*)
val p1 = table nil;
val p2 = table [(1,[~1,2,3]),(2,[3,4,~3,~4,5]),(3,[~4,~5])];
val p3 = table [(1,[~1,~2,~3]),(2,[~3,~4,~3,~4,~5]),(3,[~4,~5])];
val p4 = table
[(1,[1,~2,~3]),(2,[~3,~4,~3,~4,~5,2]),(3,[~4,3,~5]),(4,[~3,~5,4]),(5,[~3,~4,5])];
val pos1 = positivekvs p1;
val pos2 = positivekvs p2;
val pos3 = positivekvs p3;
val pos4 = positivekvs p4;
```

The criteria is :

For Q1: each case 0.2 (0.2 * 5 = 1)

For Q2: each case 0.6 (0.6 * 5 = 3)

For Q3: each case 0.4 (0.4 * 5 = 2)
For Q4: each case 0.4 (0.4 * 5 = 2)
For Q5: each case 0.5 (0.5 * 4 = 2)
Total : 10

If you submit the wrong file and I cannot run it even with changing the file name, you will get 0 mark.