Direct addressing

ADD file: n\*O(1) = O(n) running time where n=total number of voters

FIND: O(1) time

COUNT: O(1) time. Students who implemented this method using loop should have written O(n) here.

Hash table

ADD file: n\*O(1) = O(n) time since put runs in O(1) time

FIND: O(n) time due to possibility of chaining

COUNT: O(m) time, where m= total number of candidates. Students using a single hash table and implementing this method using a loop should have written O(n) time.

Please note that n=total number of voters while m=total number of candidates. Give full points only if all the running time have been correctly evaluated. Even if one is wrong, give half points.