Answer Sheet for Problem 2 and Problem 4.

Asymptotic Analysis for List-based Dictionary

Operation	Worst case time cost	Average case time cost
clear	O(1)	Θ (1)
find	O(n)	Θ (n)
insert	O(1)	Θ(1)
remove	O(n)	Θ (n)
removeAny	O(1)	Θ (1)
size	O(1)	Θ (1)

Asymptotic Analysis for Double List-based Dictionary

Operation	Worst case time cost	Average case time cost
clear	O(1)	Θ (1)
find	O(n)	Θ (n)
insert	O(1)	Θ(1)
remove	O(n)	Θ (n)
removeAny	O(1)	Θ (1)
size	O(1)	Θ (1)