Answer Sheet for Problem 2 and Problem 4.

Asymptotic Analysis for List-based Dictionary

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

Asymptotic Analysis for Double List-based Dictionary

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