

Exam 2 Sample Solutions CS 3358 (Data Structures, §252 & §253, Spring 2025) by Lee S. Koh

Q1-14 (should be clear from graded exam paper)

```
Q15  size_t TimesTargetOccursRecur(Node* head, int target)
{
    if (head == 0) return 0; // base case

    // inductive case - clearer to express in 2 statements instead of 1:
    size_t targetFoundAtHeadCount = (head->data == target) ? 1 : 0;
    return targetFoundAtHeadCount + TimesTargetOccursRecur(head->link, target);
}
```

Exam 2 Score Distribution (CS 3358 §252 & §253, Spring 2025)

