**CSE 212 – Programming with Data Structures**

**W01 Prove – Response Document**

|  |  |
| --- | --- |
| **Name:** | Samuel Bourgeous |
| **Date:** | 04/26/25 |
| **Teacher:** | Bro. Alvey |

*It is a violation of BYU-Idaho Honor Code to post or share this document with others or to post it online. Storage into a personal and private repository (e.g. private GitHub repository, unshared Google Drive folder) is acceptable.*

**Question 1: For the rotate right problem, provide a description of how you solved the problem.**

To solve the rotate right problem, the list is split into two parts: the tail and the rest to the head. The new list is made by putting the tail first, then the head. The *amount* is adjusted with the modulo operator to handle cases where it’s bigger than the list length.

**Question 2: For the rotate right problem, draw a picture of how you solved the problem.**

Original List:

[A, B, C, D, E, F]

From this, we split the list in half

[A, B, C, D] [E, F]

Then Reassemble:

[E, F] [A, B, C, D]

Remember: You need to commit all the changes to the prove-01-<username> repository along with this document. Then submit a link to the repository in I-Learn.