

Homework05

Please submit all tasks to BrightSpace.

Task 1: (2 point)

Please provide the runtime table, runtime function (combined terms, then simplified formula), and the Big-O notation for the **summation()** function from Task 1 of Lab03.

Task 2: (1 points)

Please provide the runtime table, runtime function (combined terms, then simplified formula), and the Big-O notation for the **summationConstant()** function from Task 2 of Lab03.

Task 3: (1 points)

Please provide the runtime table, runtime function (combined terms, then simplified formula), and the Big-O notation for the **digit()** function from Task 3 of Lab03.

Task 4: (3 points)

Please provide the runtime table, runtime function (combined terms, then simplified formula), and the Big-O notation for the **weightedSum()** function from Task 4 of Lab03.

Task 5: (3 points)

Please provide the runtime table, runtime function (combined terms, then simplified formula), and the Big-O notation for the **binarySearch()** function from Task 5 of Lab03.