# LAB211 Assignment

## Title

**fromCounts**

## Background

N/A

## Program Specifications

Write a method called fromCounts that constructs and returns a new ArrayIntList of values given an existing ArrayIntList of counts. Assume that the ArrayIntList that is passed as a parameter stores a sequence of integer pairs that each indicate a count and a number. For example, suppose that an ArrayIntList called list stores [5, 2, 2, -5, 4, 3, 2, 4, 1, 1, 1, 0, 2, 17]. We will interpret this sequence of pairs to mean that you have 5 occurrences of 2, followed by two occurrences of -5 followed by 4 occurrences of 3, and so on. So the call of:

ArrayIntList list2 = list.fromCounts();

should cause the variable list2 to store [2, 2, 2, 2, 2, -5, -5, 3, 3, 3, 3, 4, 4, 1, 0, 17, 17].

Assume you are adding to the ArrayIntList class with following fields:

public class ArrayIntList {

   private int[] elementData;

   private int size;


   // your code goes here

}