

PLAGIARISM: A test to detect plagiarism will be run on your code. Please, make sure you upload your own work. You can, of course, use the pseudo-code of slides as a basis.

HYBRID SORT (50 points)

Tests to be done (10 points each)

- An empty array (not applicable to C++ students)
- A 1-element array
- A 8-element array with the same number on it. For example: [2,2,2,2,2,2,2,2]
- A 15-element array with positive and negative numbers
- A 15-element array with only negative numbers

MOUNTAIN SORT (50 points)

This part is only marked if it is implemented as a variation of Counting Sort (to ensure time complexity $\Theta(N)$). Otherwise, it earns no points.

- An empty array (not applicable to C++ students)
- A 2-element array
- A 8-element array with the same number on it. For example: [2,2,2,2,2,2,2,2]
- A 8-element array with positive and negative numbers
- A 8-element array with only negative numbers