

# ADS - Implementing heapsort versus selection sort as a single algorithm - with two different data structures

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## 1 Introduction

At first i was ready to give up on this algorithm and just move on with my live glad to be done with it. But it linger in the back of my mind like a ghost. I mustered my courage and faced the mighty problem. I am proud that i manage to remain with my sanity intact. Closest i have been to quitting was also the moment of inspiration. It might have been the one and half bottle of dark rum that i drunk or divine inspiration, i will never know.

## 2 The Algorithm

*“If you gaze long into an abyss, the abyss will gaze back into you”*

- Me after reading the project description (To be honest here the algorithm waved back with a menacing smile)

I booted my trusty CLion and headed to battle. This was the hardest problem to understand. I can proudly say from the beginning till this beautiful PDF i had no idea what to do, how to do it, where to begin or even if i should cry or not. But here is my proposed solution i made a stl vector and a normal vector then i made 2 sort functions with different parameters and then just printed the sequence.

## 3 Conclusion and my personal hopes

I hope it works(Somehow). At this moment my hopes are that at least my colleagues did not manage to complete this problem. Or that it's not a easy solution and somehow i did a 180 and just did the complete oposite of what i was supposed to do.