



To whom it may concern,

The solution I propose has a quadratic time complexity  $O(n^2)$  due to the presence of the two loops.

Although it is not the most efficient solution, it is the only one that has come to my mind apart from the obvious:

trying all the possible combinations and keeping only the maximum sum after checking whether that solution came out of the contiguous array ( $O(n^3)$ ).

With that being said, it might exist a linear solution but in all honesty, I could not find it.

I'm genuinely glad and thankful that you have asked me to do a unit test, which is something I have never done in my experience, therefore I had to learn how to do that, and that is why it is not perfect.

It gave me the chance to better understand how to make my function fail, and it is something that will be helpful throughout my professional life.

Thanks for the opportunity.

Sincerely ,

*Marcello Turri*