

# Problem Diary

Jerry Hong z5479221

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## Problem Set #1 - Problem B

### 1. Solution Process

At first it looked like a dp problem but quickly realised it wasn't due to the alternating nature of the things. I also wondered whether or not maximum size of the subsequence would be different depending on if the string started with a negative or positive sequence - but quickly came to realise that we just greedily go through it.

### 2. Challenges and Reflections

During the process of solving this problem, I encountered the following challenges:

- During the first iteration of the process, i kept a current array of negative / positive contiguous sequences that we are currently traversing, and then decide to take the maximum of that array. But the problem was, I only add the maximum to the array *after* i detect a change in signs, which meant the last sequence gets neglected.

To overcome these challenges, I:

- To tackle the problem that the last sequence of +/- integers getting neglected i just needed to add the count again.

### 3. Collaboration

I did not collaborate with anyone in this diary.