

Root of error in homework solution 5.

Several of you have noted that there are a lot of errors in HW 5 related to discrete-time convolutions. The root of the problem comes from a ~~big~~ mistake. On the homework I pretty much say

$$\sum_{k=a}^{k=b} f(k) = \sum_{k=b}^{k=a} f(k)$$

THIS IS WRONG,

in fact

$$\sum_{k=a}^{k=b} f(k) = - \sum_{k=b}^{k=a} f(k) \quad \text{holds}$$

↑ if you use this and correct my solutions, it should work out