CSC510 Lecture 3

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Induction conversation

The following is an extention of the previous work of focusing on:

$$\sum_{i=0}^{n} i$$

Where we say that?

$$\sum_{i=\frac{n}{2}}^{n} i = \frac{n^2}{4} \leq \sum_{i=1}^{n} i \leq \sum_{i=1}^{n} = n^2$$

$$\sum_{i=1}^{n} i = \frac{n(n+1)}{2}, n \geq 1$$