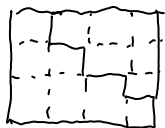


## Induction

July-27-08  
4:27 AM

Induction is a strong tool to cover weak understanding.

Consider  $\sum_{k=1}^n k = \frac{n(n+1)}{2}$ .

The strong draw  and thus tell a beautiful story.

The weak tell a strong story about dominos but conclude it with an uninspiring

$$\frac{n(n+1)}{2} + (n+1) = \frac{(n+1)(n+2)}{2}$$

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$$A \begin{pmatrix} \uparrow \\ \uparrow \\ \uparrow \end{pmatrix} - A \begin{pmatrix} \uparrow \\ \uparrow \end{pmatrix} = (X^{1/2} - X^{-1/2}) A \begin{pmatrix} \uparrow \\ \uparrow \end{pmatrix}$$