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SAMPLE NOTES  
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*The Wiggles*

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# I Introduction

## THE MEANING OF LIFE

$$\mathbb{P}\left(\bigcup_{i=1}^n A_i\right) = \sum_{k=1}^n (-1)^{k-1} \sum_{\underbrace{1 \leq i_1 < i_2 < \dots < i_k \leq n}} \mathbb{P}(A_{i_1} A_{i_2} \dots A_{i_k})$$

*Let's Talk About It*

**This is a theorem**

$$a^2 + b^2 = c^2$$

This is a proof.



PROOF.