



# The ProbLemma Channel Limits

This document links all the limits evaluated on the ProbLemma channel to the episodes in which these evaluations were carried out.



In addition, all the limits related episodes are collected in the “Limits Are Us” play list.

1. Season 2 Episode 42 (**S2M44**): How A Hoof Can Evaluate A Limit (Divide And Conquer)

$$\lim_{n \rightarrow +\infty} \frac{1}{n^3} \sum_{k=1}^n k \sqrt{n^2 - k^2} = \frac{1}{3}$$

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2. Season