Greenbook Writeups

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Problem 1. Prove converges: $\sum_0^\infty \frac{b_n}{(a+b_0+b_1+\ldots+b_n)^{3/2}}$

Proof. Let $s_n = \sum_{i=0}^n b_i$. Then proving $\sum_0^\infty \frac{b_n}{(a+s_n)^{3/2}}$ converges. □