A. Use the Comparison Test to determine if the series \( \sum_{n=1}^{\infty} \frac{n^4}{n^5 - 1} \) converges/diverges by comparing it with \( \sum_{n=1}^{\infty} \frac{1}{n} \). [Prove the necessary inequality \( a_n \leq b_n \).]

B. Use the Comparison Test to determine if the series \( \sum_{n=1}^{\infty} \frac{n^3}{n^5 + 1} \) converges/diverges by comparing it with \( \sum_{n=1}^{\infty} \frac{1}{n^2} \). [Prove the necessary inequality \( a_n \leq b_n \).]