

$$\begin{aligned}\lim_{x \rightarrow \infty} \frac{2x^3 + 7}{x^3 - x^2 + x + 7} &= \lim_{x \rightarrow \infty} \frac{x^3(2 + \frac{7}{x^3})}{x^3(1 + \frac{1}{x} + \frac{1}{x^2} + \frac{7}{x^3})} \\ &= 2\end{aligned}$$

<https://docs.google.com/document/d/1e3pMDVW7cPrOL552F4MuT0qQJRLWmtVh3ASGAvfiLSc/edit?usp=sharing>