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$$\lim_{x \to +\infty} (\sqrt[4]{x^3} - \sqrt[3]{x^2} + \sqrt{x} - x) = [-\infty]$$
|  $= \lim_{x \to +\infty} (x^4 - x^{\frac{1}{3}} + x^{\frac{1}{2}} - x) = \lim_{x \to +\infty} (x^{\frac{3}{3} - 1} - x^{\frac{1}{3} - 1} + x^{\frac{1}{3} - 1}) = \lim_{x \to +\infty} (x^{\frac{3}{4}} - x^{\frac{1}{3}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{3}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x^{\frac{1}{4}} + x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} - x) = \lim_{x \to +\infty} (x^{\frac{1}{4}} -$ 







