$$f'(x_{1},x_{2}) = (\frac{1}{x_{2}}, -\frac{x_{1}}{x_{2}})$$

$$f'(1,10^{-1}) = (10^{4}, -10^{8})$$

$$Ka_{1} \approx 10^{8}$$

$$V_{1} \approx 10^{8}$$

$$V_{1} \approx 10^{14}$$

$$V_{2} \approx 10^{14}$$

$$V_{3} \approx 10^{14}$$

$$V_{4} \approx 10^{14}$$

$$V_{5} \approx 10^{14}$$

$$V_{6} \approx 10^{14}$$

$$V_{7} \approx 10^{14}$$

$$V_{10} \approx$$

$$= \frac{10^{8}(1+10^{8})}{10^{8}(1+10^{8})} = \frac{10^{8}}{10^{8}}$$

$$= \frac{11\times11_{2}}{10^{4}} \cdot 10^{8}$$

$$= \frac{11+10^{-8}}{10^{4}} \cdot 10^{8}$$

$$= \frac{10^{4} \cdot 11+10^{-8}}{10^{4}}$$

$$= \frac{10^{4} \cdot 11+10^{-8}}{10^{4}}$$

$$K_{A,\infty} = 11A^{1}l_{\infty} \cdot 11A1l_{\infty}$$

$$11A^{-1}l_{\omega} = \frac{1}{5^{n}} \cdot \sum_{j=0}^{n} \beta_{j} \cdot 2 \quad \text{geom. Rethe}$$

$$= \frac{1}{5^{n}} \cdot \sum_{j=0}^{n} \beta_{j} \cdot 1 \quad \text{for } \beta > 0$$

$$= 1 + \beta \quad \text{for } \beta > 0$$

$$= 1 + \beta \quad \text{for } \beta > 0$$

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