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$$A = \int_{0}^{8} e^{3x^{2}} dx$$

$$e^{x} = \int_{0}^{8} \frac{e^{3x^{2}}}{x!} = x + \frac{x^{2}}{x^{2}} + - = \int_{0}^{2} e^{3x^{2}} \frac{e^{2x}}{x!} dx = \int_{0}^{8} \frac{e^{3x^{2}}}{x!} dx = \int_{0}^{8} \frac{e^{3x^{2}}}{$$

 $IR = \frac{1}{2} \frac{1}{2}$

 $Q_{n+1} - Q_{n+2} + Q_{n+3} - - = Q_{n+1} - (Q_{n-2} - Q_{n-3}) + (Q_{n-4} - Q_{n-5}) + Q_{n+1}$

$$R = \frac{3^{n+1}}{8} = \frac{3^{n+1}}{8(2(n+1)+1)(n+1)!} = \frac{3^{n+1}}{8(2n+3)(n+1)!}$$

$$\rightarrow n = 1 = 3 \frac{3}{8^5 \cdot 5 \cdot 2} = \frac{9}{10.8^5} < 10^4$$

$$A \approx \sum_{k=0}^{1} \frac{(-1)^{k} 3^{k}}{8^{2k+1}(2k+1) \cdot k!} = \frac{8^{3}}{8} - \frac{8^{3}}{8^{3} \cdot 3^{2k}} = \frac{64-1}{8^{3}} = \frac{63}{8^{3}} = \frac{64-1}{8^{3}} = \frac{63}{8^{3}} = \frac{63}{8$$