6

d

$$\frac{\|e_1\|_\infty}{\|x\|_\infty} = \frac{3}{2} \leq 3.279 \times 10^8 \cdot \frac{0.0006}{0.8642} = 2.277 \times 10^5$$

THEOREM HOLDS

$$\frac{\|e_2\|_\infty}{\|x\|_\infty} = \frac{2.4870}{2} \leq 3.279 \times 10^8 \cdot \frac{1 \times 10^{-5}}{0.8642} = 3.794 \times 10^3$$

... HOLDS AGAIN

$$\left(\frac{\|e\|}{\|x\|} \leq K(A) \cdot \frac{\|r\|}{\|b\|} \right)$$