$$n\left(\ln\left(e^2\right) + \ln(n)\right) = \Re\left(\frac{n}{2}\ln(n)\right) < = 7 \quad 2n + n\ln(n) = \Re\left(\frac{n}{2}\ln(n)\right)$$

$$\lim_{n\to\infty} \frac{2n+n\ln(n)}{\frac{n}{2}\ln(n)} = \lim_{n\to\infty} \frac{2n}{\frac{n}{2}\ln(n)} + \frac{n\ln(n)}{\frac{n}{2}\ln(n)} + \lim_{n\to\infty} \frac{4}{\ln(n)} + 2 = 2$$

$$\frac{d}{dn}\left(\frac{4}{\ln(n)} + 2\right) = \frac{2n}{\ln(n)}$$

n < 0 V n > 1

