

This is what I think he meant (either of these):

$$\lim_{x \rightarrow \infty} \sum_{i=1}^x \left[\frac{1}{2^x} + e^{2\pi} + 0.002 \right]$$

$$\lim_{x \rightarrow \infty} \sum_{i=1}^{\infty} \left[\frac{1}{2^x} + e^{2\pi} + 0.002 \right]$$

This is what the expression looks like to me (what he wrote on the check):

$$0.002 + e^{2\pi} + \sum_{i=1}^{\infty} \frac{1}{2^n}$$