In the debating club 47

Chance versus necessity

Discuss the following relations

** $\left(\sum_{i=1}^{n} i^{1}\right)^{2} = \sum_{i=1}^{n} i^{1+2}$

** An approximation for e^{ϕ}

$e^{\phi} = \underline{5.043165}643\ldots\ ; \Phi = \frac{1}{2}(\sqrt{5}+1)$

$\frac{700+1}{140-1} = \frac{5*140+1}{140-1} = \underline{5.043165}468...$

** An almost integer

$\left((2-1)^2 + \frac{(5^2-1)^2}{6^2+1}\right)e - \left((2+1)^2 + \frac{(5^2+1)^2}{6^2-1}\right)^{-1}$

$= 44.99999999993962355012336744 1...$

under the aspects

** chance and necessity

** possible extensions.