A Blackboard from Torrosian's Talk

December-16-10
3:35 PM

Notation $\widehat{ber}(x) = \sum_{n \geq 2} \frac{b_n}{n \cdot n!} x^n = \log\left(\frac{\sinh x/2}{x/2}\right)$

Prop $ch(x,y) = x + y + \sum_{m \geq 2} \sum_{\Gamma \text{ bi. type graph } (m,2)} w_\Gamma \Gamma(x,y)$ ← bi word associated to Γ

Adler said $dul(x,y) = \frac{1}{2}\left(\widehat{ber}(x) + \widehat{ber}(y) - \widehat{ber}(ch(x,y))\right) = \sum_{\Gamma \text{ wheel type graph.}} \frac{w_\Gamma}{|Aut(\Gamma)|} tr(\Gamma)$