(a) Fibonacci Fusion Rules

$$\tau \times \tau = 1 \oplus \tau$$

$$d_\tau = \phi = \frac{1 + \sqrt{5}}{2}$$

Golden Ratio ≈ 1.618

(b) Exponential Scaling

Legend:
- $\dim(\mathcal{H}_n) = F_{n-1}$
- $\phi^n / \sqrt{5}$

x-axis: Number of anyons n

y-axis: Hilbert space dimension