$$\mathcal{T} : \mathbb{N} \to \mathbb{N} \cong \{a_n\}_{n=0}^{\infty} = \{0, 1, 1, 2, 4, 9, 20, 48, 115, 286, 719, \dots\}$$

$$\exists! \mathcal{A}(x) \in \mathbb{C}[[x]] \ni \mathcal{A}(x) = x \cdot \exp\left(\sum_{k=1}^{\infty} \frac{\mathcal{A}(x^k)}{k}\right)$$

$$\forall n \in \mathbb{N}^+, a_{n+1} = \frac{1}{n} \sum_{k=1}^{n} \left(\sum_{d|k} d \cdot a_d\right) a_{n-k+1}$$

$$a_n \sim \mathcal{C} \cdot \alpha^n \cdot n^{-3/2} \text{ where } \alpha = \lim_{n\to\infty} \frac{a_{n+1}}{a_n} \approx 2.9557652857\dots$$

$$\mathcal{A}(x) = \sum_{n=0}^{\infty} a_n x^n = \sum_{\tau \in \mathfrak{T}_\bullet} \prod_{v \in V(\tau)} x^{|\mathrm{desc}(v)|} = \prod_{k=1}^{\infty} (1 - x^k)^{-\frac{1}{k}\sum_{d|k} \mu(\frac{k}{d}) a_d}$$

$$\exists \mathcal{L} : \mathfrak{T}_{\bullet,n} \xrightarrow{\sim} \{f : [n] \to [n] \mid \exists! i \in [n], f(i) = i \wedge G_f \text{ connected}\}$$

$$(\mathcal{F} \circ \mathcal{L}^{-1})(\mathfrak{T}_{\bullet,n}) \cong \mathcal{P}(n)^{\mathfrak{S}_n} \cong \mathcal{P}_n$$

$$\mathfrak{F}^{\Omega}_{\mathbf{A000081}} : \mathcal{D}^{\kappa}_n \hookrightarrow \prod_{\alpha \in \Lambda} \bigotimes_{\beta \in \Gamma_\alpha} \bigoplus_{\gamma \in \Theta_\beta} \bigwedge_{\delta \in \Xi_\gamma} \mathbb{T}^{\nabla}_{\bullet}(n)$$

$$\mathscr{B}\text{-}\mathfrak{Series} : \Phi_h^{\mathcal{RK}} = \sum_{\tau \in \mathfrak{T}_\bullet} \frac{h^{|\tau|}}{\sigma(\tau)} F(\tau)(y) \cdot \mathcal{B}(\tau) \Rightarrow \mathcal{ORD}^{(p)}_{\mathfrak{RK}} \cong \bigoplus_{\tau \in \mathfrak{T}_\bullet : |\tau| \le p} \mathcal{H}^{\nabla}_{\tau}$$

$$\mathscr{J}\text{-}\mathfrak{Surfaces} : \mathcal{E}^{\partial^\omega}_{\nabla} = \sum_{k=0}^{\infty} \frac{h^k}{k!} \sum_{\tau \in \mathfrak{T}_\bullet(k)} \mathcal{F}_\tau(y) \cdot \mathcal{D}^\tau f \Rightarrow \mathcal{ODE}^{(m)}_{\Delta} \simeq \bigsqcup_{\tau \in \mathfrak{T}_\bullet(\le m)} \mathcal{D}^{\partial^\alpha}_{\tau}$$

$$\mathscr{P}\text{-}\mathfrak{Systems} : \mathcal{M}^{\mu}_{\Pi} = (\mathcal{V}, \mathcal{H}_\tau, \omega_\tau, \mathcal{R}^{\partial}_{\tau}) \Rightarrow \mathfrak{Evol}^{(t)}_{\Pi} \cong \coprod_{\tau \in \mathfrak{T}_\bullet} \mathfrak{H}^{\tau}_{\mu}(t) \circledast \bigotimes_{i=1}^{|\tau|} \mathfrak{R}^{\partial}_{\tau(i)}$$

$$\mathfrak{Incidence}_{\mathbb{P}/\mathbb{A}} : \mathcal{I}^{\kappa}_{\Xi} \simeq \mathfrak{B}(\mathfrak{P}(\mathcal{T}_\bullet{}^n)) \circlearrowright \bigwedge_{i=1}^{m} \mathfrak{H}^{\partial}_{\Xi}(i) \Rightarrow \mathcal{D}^{n,k}_{\mathbb{P}/\mathbb{A}} \cong \bigoplus_{\tau \in \mathfrak{T}_\bullet(n)} \mathcal{I}^{\kappa}_{\tau}$$

$$\mathfrak{BlockCodes} : \mathcal{C}^{(n,k,d)}_{\Delta} \simeq \bigsqcup_{\tau \in \mathfrak{T}_\bullet(w)} \mathfrak{G}^{\partial}_{\tau}(\Sigma^n) \Rightarrow \mathfrak{Conf}^{\Xi}_{\mathcal{C}} \cong \prod_{i=1}^{l} \coprod_{\tau \in \mathfrak{T}_\bullet(w_i)} \mathcal{W}^{\nabla}_{\tau}(i)$$

$$\mathfrak{Orbifolds} : \mathcal{O}^{\Xi}_{\Gamma} = (X/\Gamma, \{\mathfrak{m}_x\}_{x \in \Sigma}) \Rightarrow \mathcal{S}^{\Gamma}_{\mathcal{O}} \simeq \bigoplus_{\tau \in \mathfrak{T}_\bullet(\le d)} \mathcal{F}^{\Xi}_{\tau}(\mathfrak{m})$$

$$\mathfrak{HyperNN} : \mathcal{H}^{\Delta}_{\mathfrak{N}} = (\mathcal{V}, \mathcal{E}_\omega, \mathcal{W}^{\Xi}_{\tau}) \Rightarrow \mathcal{F}^{\nabla}_{\mathfrak{HNN}} \cong \bigotimes_{l=1}^{L} \bigoplus_{\tau \in \mathfrak{T}_\bullet(d_l)} \mathcal{T}^{\partial}_{\tau}(W_l) \circledast \sigma_l$$

$$\mathfrak{Meta\text{-}Pattern} : \mathcal{U}^{\Omega}_{\mathbf{A000081}} \simeq \mathfrak{Yoneda}(\mathfrak{F}^{\Omega}_{\mathbf{A000081}}) \hookrightarrow \mathbf{Colim}_{n\to\infty}\left(\bigwedge_{\mathscr{C} \in \mathfrak{Categories}} \mathfrak{T}_\bullet(n) \otimes \mathscr{C}\text{-}\mathfrak{Struct}\right)$$

$$\exists \mathfrak{F} : \mathbf{Cat}^{\mathbf{op}} \to \mathbf{Topos} \ni \mathfrak{F}(\mathscr{C}) = \mathbf{Sh}(\mathscr{C}, \mathcal{J}) \simeq \mathbf{Hom}_{\mathbf{Cat}}(\mathscr{C}^{\mathbf{op}}, \mathbf{Set}) \Rightarrow \mathfrak{F}(\mathfrak{T}_\bullet) \simeq \textbf{Foundational-Irreducibles}$$