

$$T = f \times Seq T$$

$$A(f) = f \circ \varphi(A(f))$$

$$\phi(z) > \frac{1}{1-\zeta}$$

$$a_n = \frac{1}{n} \left[s^{n-1} \right] \left(\varphi(s) \right)^n$$

$$A(t) = \sum_{n=0}^{\infty} a_n t^n$$

$$\mathcal{A}_{n} = \frac{1}{n} \left[\frac{1}{s^{n-1}} \right] \left(\frac{1}{1-s} \right)^{n} = \frac{1}{n} \left(\frac{2n-2}{n-1} \right)$$

$$(1-5)^{-\frac{h}{2}}/-(\frac{-h}{1})5+(\frac{-h}{2})5^{2}-(\frac{-h}{3})5^{3}+...$$

$$(-1)^{n-1} \binom{n-1}{n-1} = (-1)^{n-1} \frac{n(-n-1)(-n-2) \cdot - (-n-(n-1)+1)}{n(-n-1)(-n-2) \cdot - (-n-(n-1)+1)} = \frac{1 \cdot 2 \cdot 2 \cdot \cdots \cdot (n-1)}{n(-n-1) \cdot \cdots \cdot (n-1)}$$

$$\frac{1}{2} \left(\frac{1}{2} \right)^{\frac{1}{2}} \frac{1}{2} \left(\frac{1}{2} \frac{n-1}{2} \right)^{\frac{1}{2}} = \frac{1}{2} \left(\frac{1}{2} \frac{n-2}{2} \right)^$$

$$T = f \times Set T$$

$$A(t) = (-\varphi(A(t)))$$

$$\phi(s) = e^{s'}$$

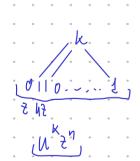
$$\frac{a_n}{n!} = \frac{1}{n} \left[s^{n-1} \right] e^{ns}$$

$$\frac{d_n}{n!} = \frac{1}{n} \left[s^{n+1} \right] e^{-s}$$

$$6.42 = 1 + \frac{11}{11}(02) + \frac{51}{11}(02) + \frac$$

$$[s_{n}]e_{n}=\frac{(v-1)!}{v-1}$$

Popuyna kom: nonereyn, nog bewern ggp, hn-2



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$$A_{k}(t) = \sum_{n=0}^{\infty} \binom{n}{k} t^{n}$$

$$B_{n}(t) = \sum_{k=0}^{\infty} \binom{n}{k} t^{k}$$

$$(u, t) = \sum_{n \mid k} \binom{n}{k} t^n u^k = \frac{1}{1 - \xi - 4\xi}$$

$$\bigcup_{k\geq 0} \operatorname{Set}_{-k}(u \times (y_k + y_k)) \longmapsto \sum_{n_{1}k} \begin{bmatrix} n \\ k \end{bmatrix} \frac{1}{n!} z^n u^k$$

Set =
$$k$$
 (A) = $\frac{\sum_{k=0}^{k} A(z)^k}{k!} = \frac{A(z)^k}{k!} = \frac{\sum_{k=0}^{k} \left(u \times \left(y_k z \right) \right)}{k!} = \frac{\sum_{k=0}^{k} \left(u \ln \left(\frac{1}{1-z} \right) \right)^k}{k!} = \frac{u \ln \frac{1}{1-z}}{k!}$

$$\left(\left|-\frac{1}{2}\right|_{A}\right) = \sum_{k} \frac{\left|\frac{1}{k}\right|}{\left|\frac{1}{k}\right|} t_{A} d k$$

$$\int_{k=0}^{\infty} \operatorname{Sel}_{-k}(u \times \operatorname{Sel}_{20} \xi) = \int_{k=0}^{\infty} \frac{\left(h(e^{\xi}-1)\right)^{k}}{k!} \cdot e^{u \cdot e^{\xi}-u} = \int_{n,k}^{n,k} \frac{\binom{n}{k}}{n!} \cdot 2^{n} u^{k}$$

$$A \quad a_{n,k} = \left[z^n u^k \right] A(u,i)$$

$$W_{h} = \frac{\sum_{k=0}^{\infty} k a_{n/k}}{\sum_{k=0}^{\infty} a_{n/k}} = \frac{\left[z^{n} \right] \left(\frac{\partial}{\partial u} A(u, z) \right) \Big|_{u=1}}{\left[z^{n} \right] A(u, z)}$$

Pasoluepue na craraense. Nopegor Boxun

Seq Seq.
$$\partial A(u,z) = \frac{\partial A(u,z)}{\partial u} = \frac{\partial (u-z)}{(u-z-uz)^2} = \frac{\partial (u-z)}{(u-z-uz)^2}$$

$$\frac{1}{|-\xi|} = \frac{2}{|-\xi|}$$

$$\lim_{n \to \infty} \left[\frac{\xi^n}{(-2\xi)^2} \right] = \frac{2^n(n+1)}{4}$$

$$A(u_{17}) = \frac{1}{1-\xi} = \frac{1-\xi}{1-\xi}$$
 $E(u_{17}) = \frac{1-\xi}{1-\xi} = \frac{1-\xi}{1-\xi}$
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Cheduce there chambers
$$\frac{T_{u-1}}{T_{u-1}} = \frac{u+1}{T}$$

Cpègne # y Merob b reperm.

$$A(u,\xi) = (1-\xi)^{-u}$$

$$\frac{\partial A(u,\xi)}{\partial u} = \frac{\partial}{\partial u} e^{u \ln \frac{1}{1-\xi}} = \ln \frac{1}{1-\xi} e^{u \ln \frac{1}{1-\xi}}$$

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$$\left(z + \frac{1}{2}z^{2} + \frac{1}{3}z^{3} + ... + \frac{1}{k}z^{k} + ...\right)\left(1 + \frac{1}{2}z^{2} + ...\right) - \left(z^{h}\right)B\left(z\right) = \sum_{k=1}^{h} \frac{1}{k} = H_{h} \sim L_{09}n$$

$$A(z) = \sum_{k=1}^{h} a_{h}z^{h}$$

$$z \cdot A'(z) = \sum_{h=0}^{h} a_{h}x^{h}$$

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$$\mathcal{H}(s) = \sum_{n=1}^{\infty} a_n \frac{1}{h^s}$$