Using generating Juni? some the Recurrence relation $9_n = 29_{n-1} + 39_{n-2}, n \ge 2, 9_0 = 2, 9_1 = 2.$ $g(n) = \underbrace{\sum_{n=0}^{\infty} a_n a_n}_{n=0} - \underbrace{\sum_{n=0}^{\infty} g(m-a-a-a_n)}_{n=0}$ $(1) \times n^n A dake \underbrace{\sum_{n=0}^{\infty} n^n}_{n=0}$ $\frac{\sum 9_{n}n^{n}}{n \ge 2} = 2 \sum \frac{9_{n-1}n^{n} + 3 \sum 9_{n-2}n^{n}}{n \ge 2}$ $g(n) - 90 - 9, n = 2n (gm) - 90) + 3n^2 g(n) - 8$ $\left(\frac{5}{5}, \frac{9}{5}, \frac{1}{5}, \frac{1}{5}, \frac{5}{5}, \frac{9}{5}, \frac{1}{5}, \frac{5}{5}, \frac{9}{5}, \frac{1}{5}, \frac{5}{5}, \frac{9}{5}, \frac{1}{5}, \frac{5}{5}, \frac{1}{5}, \frac{5}{5}, \frac{1}{5}, \frac{1}{5},$ = n (gm) - 90) $\left(\sum_{n\geq 2} Q_{n-2} \chi^n = \chi^2 \sum_{n\geq 2} Q_{n-2} \chi^{n-2} = \chi^2 \sum_{n\geq 0} Q_n \chi^n \right)$ $9(n) \left(1-2n-3n^2 \right) = 90 + 9, n - 2n90$ 90=2, 9,=2

$$g(n) = \frac{2(n-1)}{(3n-1)(n+1)} = \frac{1}{n+1} + \frac{1}{1-3n}$$

$$(3n-1)(n+1) = \frac{1}{n+1} + \frac{1}{1-3n}$$

$$(3n-1)(n+1) = \frac{1}{n+1} + \frac{1}{1-3n}$$

$$\mathcal{O}_{n} = (-1)^{n} + 3^{n}$$

$$Q_{n} = Q_{n-1} + n, \quad Q_{0} = 1$$

$$\frac{\sum_{n \geq 1} q_{n-1} x^{n}}{n \geq 1} = \frac{\sum_{n \geq 1} q_{n-1} x^{n}}{n \geq 1} + \frac{\sum_{n \geq 1} n x^{n}}{n \geq 1}$$

$$g(n) = \sum_{n=0}^{\infty} g_n n^n$$

$$g(n) - q_0 = n \underbrace{\xi q_{n-1} n^{n-1} + \xi n n^n}_{n \ge 0}$$

$$g(a) - 1 = \pi \sum_{n=0}^{6} g_n \pi^n + \sum_{n=0}^{6} n \pi^n$$

$$\mathcal{N} \left(\frac{1}{1-n} \right) = \mathcal{N}^{\frac{1}{2}} \mathcal{N}^{2} + \dots + \mathcal{N}^{\frac{n}{2}} + \dots$$

$$J(n) - 1 = n g(n) + n (1-n)^{2}$$

$$g(n) = \int_{1-n}^{n} + \frac{n}{(1-n)^{3}}$$

$$\log J^{n} \int_{1-n}^{n} = \int_{$$

 $G_2 = 1$ (k, x k₂) $G_3 = 2$ (k, x k₂) x k₃, k, x (le, x le₃)

$$a_0 = 0, \quad a_1 = 1.$$

$$\begin{pmatrix}
k_{1} \times k_{2} \times \cdots \times k_{i} \\
\end{pmatrix} \times \begin{pmatrix}
k_{i+1} \times \cdots \times k_{n}
\end{pmatrix}$$

$$\begin{pmatrix}
c_{i} & 1, 2, ..., & n-1 \\
\end{pmatrix}$$

$$q_{i} & q_{n-i}$$

$$q_{n-i} & q_{n-i}$$

$$= q_{i} q_{n-i}$$

$$= q_{i} q_{n-i}$$

$$= q_{n-i} + G_{2} q_{n-i-1} - T q_{n-i} q_{n}$$

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c_{i} & 1 &$$

$$g(m) - m = (g(m))^{2}$$

$$g(m)^{2} - g(m) + m = 0$$

$$g(m) = \frac{1}{2} (1 + J_{1} - 4\pi)$$

$$g(0) = 0$$
 = $g(n) = \frac{1}{2} - \frac{1}{2} J_{1} - 4n$

$$Q_{1} = \frac{1-9n}{9(m)} = \frac{1-9n}{(1-8n)} = \frac{1-9n}{(1-10n)}$$

$$Q_{2} = \frac{1-9n}{(1-10n)}$$

$$Q_{3} = \frac{1-9n}{(1-10n)}$$

$$Q_{4} = \frac{1-9n}{(1-10n)}$$

$$G_{n} = G_{n-1}, + n^{5}, q_{0} = 0$$
 $G_{n} = 16$
 $(5^{3} - 16)$
 $b(n) = b_{0} + b_{1}n + - + b_{5} + n^{5} \times b_{5}$
 $b(n) = b_{0}n + b_{1}n^{2} + \cdots + b_{5} - n^{6}$

$$9_n = 29_{n-1} + 39_{n-2}, 9_0 = 1, 9_1 = 2$$

$$g_{n} = g_{n-1} g_{n-2}$$
, $g_{0} = g_{1} = n$

$$g_{n} = g_{n-1} g_{n-2}$$

$$g_{n} = g_{n-1} g_{n-2}$$