

Лакунд у. 19.03.2021.

μ_i ке обзират резидије
 $\mu + d \Rightarrow \mu_1 + \dots + \mu_m = d$
 перестановки $\in S_d$

конфо у окриво

μ_1
 \vdots
 μ_m

Перечисление Ратских рисунков. Окончание.

Рекурсия для $N_{k,e}(\mu)$: $= N_{k,e}(\mu_1, \dots, \mu_m)$

$$\mu_1 N_{k,e}(\mu_1, \dots, \mu_m) = \sum_{j=2}^m (\mu_1 + \mu_j - 1) N_{k,e}(\mu_1 + \mu_j - 1, \mu_2, \dots, \mu_j, \dots, \mu_m) + (\mu_1 - 1) N_{k-1,e}(\mu_1 - 1, \mu_2, \dots, \mu_m) + N_{k,e-1}(\mu_1, \mu_2, \dots, \mu_m) +$$

$$k + l + m - d = 2 - 2g$$

$$+ \sum_{i+j=\mu_1-1} ij N_{k,e}(\underbrace{i, j, \mu_2, \dots, \mu_m}_{\mu_1, \mu_2, \dots, \mu_m}) + \sum_{\substack{k_1+k_2=k \\ l_1+l_2=e}} \sum_{I \cup J = \{2, \dots, m\}} N_{k_1, l_1}(i, \mu_I) N_{k_2, l_2}(j, \mu_J)$$

$$\frac{\partial F}{\partial p_{\mu_1}} = + \mu_1 N_{k,e}(\mu_1, \dots, \mu_m) p_{\mu_2}^{l_2-1} p_{\mu_3}^{l_3-1} \dots$$

$$F(s, u, v, p_1, p_2, \dots) = \sum_{k,l,m} \frac{1}{m!} \sum_{\mu=d} N_{k,e}(\mu) s^d u^k v^l p_{\mu_1} p_{\mu_2} p_{\mu_3} \dots p_{\mu_m}$$

$$\frac{n+1}{s} \frac{\partial F}{\partial p_{n+1}} = \sum_{j=1}^{\infty} p_j (n+j) \frac{\partial F}{\partial p_{n+j}} + (u+v) n \frac{\partial F}{\partial p_n} + \sum_{\substack{a+b=n \\ i+j}} ij \left(\frac{\partial^2 F}{\partial p_a \partial p_b} + \frac{\partial F}{\partial p_a} \frac{\partial F}{\partial p_b} \right) + \delta_{0,n} uv$$

если $n=0$ то uv

$$n+1 = \mu_1$$

$$\mu_j = j ?$$

$$\mu_1 + \mu_j - 1 = n + \mu_j$$

$$\sum a_i x^i \cdot \sum b_j x^j \quad [x^k] = \sum_{i+j=k}$$

