A 3.2

2014-10-27

Part 1

$$n_{real} = \frac{N!}{\prod_{j=1}^{k} j^{\alpha_j} \alpha_j!}$$

j^{α_j}: within cycles

$\alpha_j!$: permutations of whole cycles.

Part 2

$N = 4$

(i) Partition long

$[\lambda_1, \lambda_2, \lambda_3, \lambda_4]$ $\quad \lambda_i \geq \lambda_{i+1} \geq 0$

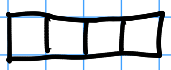
(ii) Partion short

$[4]$

(iv) cycle structure

$(\cdot)(\cdot)(\cdot)(\cdot)$

(iii) Young frame



(v) Parity +

(vii) # in conjugacy $\frac{4!}{1^4 4!} = 1$

(vii) $e = (1)(2)(3)(4)$ List of elements in conjugacy class

(1) [3, 1, 0, 0]

(2) [3, 1]

(3) 

(4)

(5)

(6)

(7)