

$$S_{i} = \sum_{i=1}^{n} W\{ni\} \qquad W\{ni\} = \prod_{i=1}^{n} W(i)$$

$$\mathcal{N}(i)_{gg} = \frac{n_i + q_i - 1}{n_i! (q_i - 1)!} \rightarrow \mathcal{N}(i)_{gg}$$

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