

$$\prod_{j \geq 0} \left(\sum_{k \geq 0} a_j k z^k \right) = \sum_{n \geq 0} z^n \left(\sum_{\substack{k_0, k_1, \dots \geq 0 \\ k_0 + k_1 + \dots = n}} a_0 k_0 a_1 k_1 \dots \right) \quad (6.71)$$