

## Combinatorial classes

A structure  $A$  is considered a combinatorial class iff

$$\forall (A, n : A \longrightarrow \mathbb{N}) \ni \forall x \in \mathbb{N} \exists \alpha \in A \ni n \alpha = x, |A| < \infty$$

$$A(x) = \sum_{n=0}^{\infty} a_n \cdot x^n$$

For example

$$(W = \{\epsilon, 0, 1, 00, 01, 10, 11, \dots\}, \text{length})$$

is a combinatorial class.