Exercises

3.258 [04B] Consider the set $\mathbb{N}^{\mathbb{N}}$ of functions $f : \mathbb{N} \to \mathbb{N}$; and the subset \mathcal{A} of *f* of functions that can be defined using an algorithm, written in a programming language of your choice (also assuming that the computer that is running this algorithm has potentially unlimited memory) and such that for each choice $n \in \mathbb{N}$ in input the algorithm must finish and return f(n). Compare the cardinalities of $\mathbb{N}^{\mathbb{N}}$ and А.

[04C]