Exercises

3.248 [03R] We indicate with $\mathcal{P}_f(A)$ the set of subsets $B \subseteq A$ which are finite sets. This is called colloquially *the set of finite parts*.

Show that $\mathcal{P}_f(\mathbb{N})$ is countably infinite.

Solution 1. [03S]

This result applies in general, see [053].

[[03T]]