

Exercises

E3.286 [040] Prerequisites: [04J], [034], [032].

Show that the following sets have continuum cardinalities.

$$\mathbb{R}^n, \quad \{0, 1\}^{\mathbb{N}}, \quad \mathbb{N}^{\mathbb{N}}, \quad \mathbb{R}^{\mathbb{N}} .$$

Solution 1. [041]