

Exercises

E3.111 [06F] Build an order \preceq on \mathbb{N} with this property: for each $n \in \mathbb{N}$

- the set $\{k \in \mathbb{N}, k \neq n, k \preceq n\}$ of the elements preceding n has exactly two maximals,
- the set $\{k \in \mathbb{N}, k \neq n, n \preceq k\}$ of the elements following n has exactly two minimals.