§0.a Sequences [2GY]

Let $(a_n)_{n\in\mathbb{N}} \subseteq \mathbb{R}$ be a real-valued sequence (as defined in [16G]).

Given $N \in \mathbb{N}$ we will write $\sup_{n\geq N} a_n$ in the following, instead of $\sup\{a_N, a_{N+1} \ldots\}$, and similarly for the infimum. (This is in accordance with [20H])

Exercises

E0.1 [0CP]

E0.2 [0CR]

E0.3 [0CS]

E0.4 [0CV]

E0.5 [0CX]

E0.6 [0D0]

E0.7 [0D2]

E0.8 [0D4]

E0.9 [0D6]

E0.10 [0D9]

E0.11 [0DD]

Exercise 0.12. *[0DJ]*

Exercise 0.13. *[02F]*

QuasiEsercizio 1. *[0DG]*

See also exercises [0B9] and [0B7].

§0.a.a Summation by parts

Exercises

E0.14 [217]

E0.15 [21H]

QuasiEsercizio 2. *[0DF]*

§0.b Recursive sequences

Exercises

E0.16 [0DK]

E0.17 [0DN]

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