

Exercises

E3.146 [07F] Prerequisites: [07C], [07D], [252].

Let \mathcal{F} be a non-empty family of intervals.

Show that the intersection $\underline{\bigcap} \mathcal{F}$ of all intervals is an interval.

Suppose the intersection $\underline{\bigcap} \mathcal{F}$ is not empty, show that the union $\underline{\bigcup} \mathcal{F}$ is an interval.

Solution 1. [07G]