Exercises

E6.26 [OBC] Prerequisites:[OB7]. Let $A, B \subseteq \mathbb{R}$ and let

$$A \oplus B = \{x + y \: : \: x \in A, y \in B\}$$

the *Minkowski sum* [a] of the two sets: show that

$$\sup(A \oplus B) = (\sup A) + (\sup B) \; .$$

Solution 1. [OBD]

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[a] The *Minkowski sum* will return in the section [2CP].