

Exercises

E8.50 [OJQ] Note: *Theorem 5.11.7* notes [3].

Let I be a family of indices. Show that if E_i is a family of connected subsets of X such that

$$\forall i, j \in I, E_i \cap E_j \neq \emptyset,$$

then $E = \bigcup_{i \in I} E_i$ is connected.

Solution 1. [OJR]

[[OJS]]