## Exercises

Solution 1. [0JJ]

E8.56 [OJH]Prerequisites: [2BR] .X is disconnected if and only if there exist non-empty sets  $A, B \subseteq X$  whose union covers X, but such that  $\overline{B}\mathbf{d}A$ 

and  $B\mathbf{d}\overline{A}$ .

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