Exercises

E8.b.6 [OHT]   Topics: accumulation point, maximum, direct ordering. Prerequisites: [06N], [OHS].

Find a simple example of a set $(J, \leq)$ with direct ordering that has maximum but, when we associate to J the topology τ_J of the previous example, (J, τ_J) has no accumulation points.

Solution 1. [OHV]