Exercises

E10.j.10 [2GB] Prerequisites:[OPR]. Let (X, d) be a totally bounded metric space. Let $E \subseteq X$, then E is a metric space with the restricted distance $\tilde{d} = d|_{E \times E}$. Show that $(E, \tilde{d})$ is totally bounded. (See [OV3] for the definition of *totally bounded*).

Solution 1. *[2GC]*