Exercises

9.129 [OWT] Show that two balls $B(x,r)$ and $B(y,r)$ of equal radius are disjoint or are coincident; in particular they are coincident if and only if $y \in B(x,r)$. Similarly for the discs $D(x,r) \stackrel{\text{def}}{=} \{y \in X : d(x,y) \leq r\}$ and $D(y,r)$.

Solution 1. *[OWV]*