

Remark 3.131. [\[21R\]](#) (Solved on 2021-11-18) Note that if (X, \leq_X) and (Y, \leq_Y) are equiordinate then X and Y are equipotents; but given an infinite set X , there exist on it orders of different types — even if we consider only the well orders. (See for example exercise [\[08K\]](#))