Definition 3.130. [07V] *Given two ordered non-empty sets* $(X, \leq_X)$ *and* $(Y, \leq_Y)$, *we will say that* "they have the same order type", *or* "order-isomorphic", *or more briefly that they are* "equiordinate" [a], *if there is a strictly increasing monotonic bijective function* $f : X \to Y$, *whose inverse* f^{-1} *is strictly increasing. The function* f *is the* "order isomorphism".

[a] The wording "equiordinate" is not standard.