

Exercises

3.258 [04P] Prerequisites: [04J], [01P]. Difficulty: *. (Proposed on 2022-12)

Let X an infinite set. Show that X can be partitioned in two sets X_1, X_2 that have the same cardinality as X . (*Hint. consider subsets of X on which the property is valid, use Zorn*)

Solution 1. [04Q]