

MATH 113: DISCRETE STRUCTURES
READING QUESTIONS FOR FRIDAY WEEK 2

Reading assignment. *DM:EB* §§1.5, 1.6.

Question 1. Give an example of something encountered in everyday life which is encoded by a string of a given length. How many such strings are there in your example?

Problem 2. Problem 1.5.2 of *DM:EB*.

Question 3. The book defines a permutation as a reordering of a list of n objects. Why is this the same thing as a bijection from the collection of n objects to itself?