Solution to Home Assignment 1

Discrete Mathematics – CSC/MAT A67, Winter 2024

SUMMATIONS AND SETS

1. Calculate the following values:

   I. What is the value of the sum

   $$\sum_{i=2}^{5} 1/i \quad ?$$

The sum is ½ + ⅓ + ¼ + ⅕ = 77/60 ≈ 1.28333

   II. What is the value of the expression

   $$\sum_{i\in[5]} 2i - \sum_{i\in\{3,6,9\}} i \quad ?$$