

MATH 113: DISCRETE STRUCTURES
READING QUESTIONS FOR FRIDAY WEEK 13

Reading assignment. *DM:EB* §6.9.

Problem 1. Use the method of proof on pp.114-115 to find an explicit nonempty subset of

$$\{2, 3, 5, 8, 11, 15\}$$

such that the sum of its elements is divisible by 6.

Problem 2. Find all natural numbers smaller than and relatively prime to 50. Verify that equation (6.7) for $\phi(50)$ holds in this case.