

MA0301  
ELEMENTARY DISCRETE MATHEMATICS  
NTNU, SPRING 2023

## EXERCISE SET 8

**Deadline: Monday 20.03.2023, 23:59**

The relevant sections of Lewis–Zax is chapters 13 and 16.

**Exercise 1.** *Lewis–Zax: Exercise 13.4.*

**Exercise 2.** *Lewis–Zax: Exercise 13.5.*

**Exercise 3.** *Lewis–Zax: Exercise 13.6.*

**Exercise 4.** *Lewis–Zax: Exercise 16.1.*

**Exercise 5.** *Give an example of a connected graph where removing any edge of  $G$  results in a disconnected graph.*

**Exercise 6.** *Lewis–Zax: Exercise 16.2.*