Set 1

- use conventions
- specifications, pseudocode, representation
- 1. Find the maximum in a sequence of numbers.
- a) specification
- b) subalg. design (pseudocode)
- 2. Verify if a number is prime.
- a) specification
- b) subalg. design (pseudocode)

For the next problems:

- a) DS
- b) (non-ambiguous) specification & pseudocode for subalg.
- c) give a different representation
- compare mem. size for the given representations
- (write and) compare the subalg. complexities (for each DS you have defined)
- 3. Verify if a binary relation is a function
- 4. Verify if a function is injective
- 5. Verify if a binary relation is reflexive