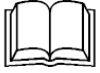


Assignment 6: ESC/Java2 Tool



Assignment Objectives:

- Use ESC/Java2 to check functional correctness properties of programs.
- source java files annotated with pragmas.



Theoretical aspects

- Correctness by construction.
- Hoare rules.
- **References:** [Frentiu] – chapter 1, 2, [Morgan]

[Frentiu] M. Frentiu, Verificarea si validarea sistemelor soft, Presa Universitara Clujeana, 2010
[Morgan] C. Morgan, Programming from specification, Prentice Hall International, 1998



Assignment

Add pre- and postconditions and invariants to several given Java classes until ESCJava2 runs on the file without producing any warnings.



Turn in:

- (a) your edited version of the Java classes, and
- (b) a printout of ESC/Java2 output when run on the file in results.txt.



Assignment and Delivery date:

1. Assignment date: laboratory 6
2. Delivery date (first): laboratory 6
3. Delivery date (last): -