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Tutorials for Decision Procedures Exercise sheet 12

Exercise 1: π VC – proving total correctness

Use π VC to prove partial and total correctness of the example program `InsertionSort` from the π VC-website (<http://cs.stanford.edu/people/jasonaue/pivc/>).

- (a) Annotate the program such that partial correctness can be shown by π VC.
- (b) Annotate the program such that termination can be shown by π VC.

Hint: The two parts of this exercise can be solved independently, so you can try solving (b) even when you have not yet figured out a solution for (a).