

In week 08, we are going to see correctness proof for iterative algorithms. To warm up, you may want to

1. develop (or at least see) an iterative version of *binSearch* as well as,
2. develop (or at least see) an iterative algorithm for computing x^n .

Similar, to what we did in Week 07, we are going to use pre- and post- conditions. Hence, you may want to

3. pre- and post- conditions for the iterative version of *binSearch* as well as,
4. pre- and post- conditions for an iterative algorithm for computing x^n .

Another approach for warming up for this week lecture is to review *loop invariants*.