Project 1 Test Cases

- I. ThreadGrader1: Condition2
 - a. Test ThreadGrader1.a: Tests your condition variables using a few threads
 - b. Test ThreadGrader1.b: Tests your condition variables using many threads
- II. ThreadGrader2: Communicator
 - a. Test ThreadGrader2.a: Tests your communicator
 - b. Test ThreadGrader2.b: Tests your communicator, with more speakers/listeners
 - c. Test ThreadGrader2.c: Tests your communicator, with more speakers/listneers, and transmits more messages
- III. ThreadGrader3: **Join**
 - a. Test ThreadGrader3.a: Tries a join on thread x before x actually runs
 - b. Test ThreadGrader3.b: Tries a join on thread x after x has completed
- IV. ThreadGrader4: WaitUntil
 - a. Test ThreadGrader4.a: Tests waitUntil to ensure it waits at least minimum amount of time
 - b. Test ThreadGrader4.b: Tests whether waitUntil actually wakes up at correct time
- V. ThreadGrader5: Priority Scheduling
 - a. Test ThreadGrader5.a: Tests priority scheduler without donation
 - b. Test ThreadGrader5.c: Tests priority scheduler without donation, altering priorities of threads after they've started running
- VI. ThreadGrader6a: More Priority Scheduling
 - a. Test ThreadGrader6a.a: Tests priority donation
 - b. Test ThreadGrader6a.b: Tests priority donation with more locks and more complicated resource allocation
- VII. BoatGrader: Boat Simulation
 - a. Tests BoatGrader2.a-BoatGrader2.f: Test boat simulation with various numbers of threads.
 - b. Test stresstest: Tests boat simulation with a ton of threads.