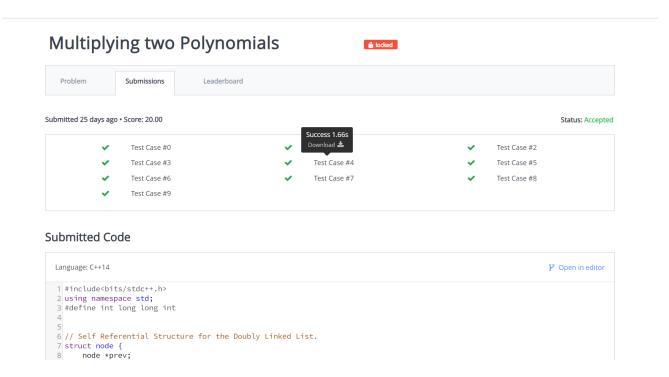


Time for test case 4 in optimized algorithm submitted as a 2nd submission.



Time for test case 4 in simpler algorithm submitted as a 1st submission.