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HW2

Array stack vs Link stack

When comparing both array stack vs link stack, array stack is faster than the linked list stack after a couple of tests that I ran. I think array stack is also more neat and easier to understand than linked list stack. The code is also simpler than the linked. For this test, I used random number generator to fill both stack as the stack elements. The speed of different between those two is almost 10% faster where the array is faster than linked list. I did copy construction while setting the size of my array stack to 100. As for the linked list, I couldn't set the size of the list because we must add them manually or read it from the text file. The way I printed the code is by read the top of the stack using .top and pop each of the element from the stack, the program will then do print and pop inside the while loop until the stack is empty.