Implementation Conclusion List The input size is 500. The python list library is obviously faster than the Python list library two implementation made by me. And all five Operation Timing result operations is faster in arraylist than in Front insert 6.17967605591e-07 pointerlist. The back insert and back delete Back insert 1.2829208374e-07 takes really long time to compile in pointerlist. **TRAVERSAL** 6.55040740967e-08 Front delete 2.19036102295e-07 Back delete 9.74836349487e-08 Arraylist implementation Timing result Operation 7.01058769226e-06 Front insert Back insert 8.1794834137e-07 TRAVERSAL 8.09164047241e-07 Front delete 4.73778057098e-06 Back delete 1.46316814423e-06 Pointerlist implementation Operation Timing result Front insert 2.72169494629e-06 Back insert 0.000261447299004 **TRAVERSAL** 1.35574817657e-06

7.17076301575e-07

Front delete

Back delete	0.000786135935783

Stack

Python stack library

Operation	Timing result
PUSH	1.27815246582e-07
POP	2.88806915283e-07

The python stack library is obviously faster than the implementation made by me. The the operation PUSH and POP is both faster in arraystack than in

Arraystack

Operation	Timing result
PUSH	4.35056686401e-07
POP	7.32172012329e-07

Pointerstack

Operation	Timing result
PUSH	1.04679203033e-06
POP	1.36152839661e-06

The input size is 500. pointerstack.