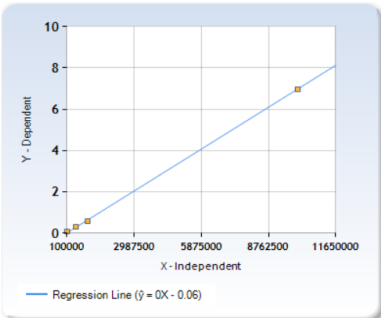
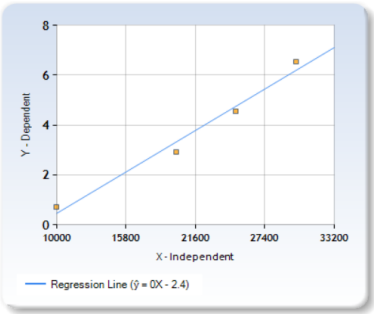
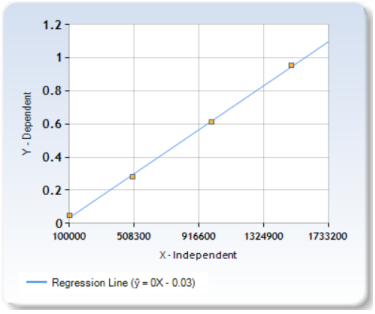
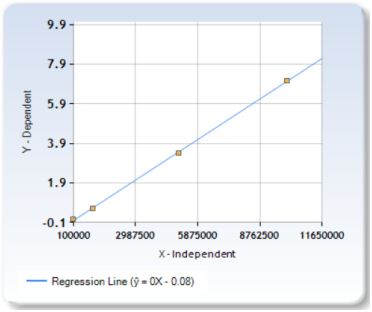
	Operation	Length of	# of strings	Load time (sec)	Operation time (sec)	Output time (sec)
Vector	Sort	5	100000	0.015625	0.0625	0.421875
			500000	0.0625	0.296875	2.21875
			1000000	0.140625	0.578125	4.26562
			10000000	1.3125	6.96875	42.7344
	remove_dups_same_order		10000	0	0.71875	0.046875
			20000	0	2.90625	0.09375
			25000	0	4.5625	0.09375
			30000	0	6.54688	0.09375
	remove_dups_any_order		100000	0.015625	0.046875	0.453125
			500000	0.0625	0.28125	2.125
			1000000	0.125	0.609375	4.23438
			1500000	0.1875	0.953125	6.09375
	mode		100000	0.015625	0.046875	0.015625
			1000000	0.125	0.609375	0.015625
			5000000	0.65625	3.40625	0.0625
			10000000	1.29688	7.0625	0.125



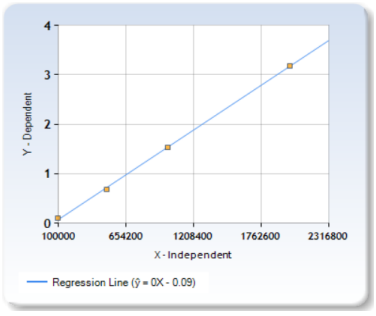


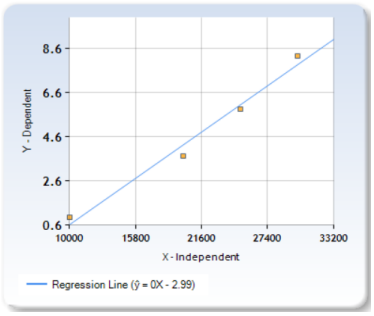


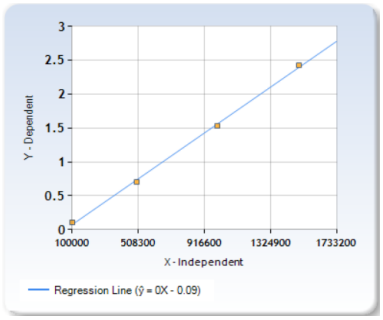


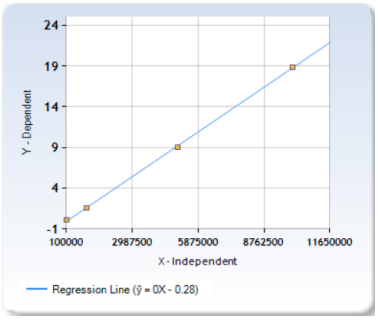
List	Sort	5	100000	0.015625	0.109375	0.421875
			500000	0.0625	0.6875	2.14062
			1000000	0.125	1.53125	4.32812
			2000000	0.265625	3.1875	8.75
	remove_dups_same_order		10000	0	0.9375	0.0625
			20000	0	3.71875	0.09375
			25000	0.015625	5.85938	0.109375
			30000	0.015625	8.26562	0.125
	remove_d		100000	0.015625	0.109375	0.40625

remove_dups_any_order		500000	0.0625	0.703125	2.125
		1000000	0.125	1.53125	4.29688
		1500000	0.1875	2.42188	6.15625
mode		100000	0	0.125	0
		1000000	0.125	1.53125	0.109375
		5000000	0.625	8.98438	0.859375
		10000000	1.26562	18.875	1.79688

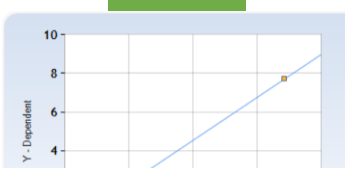


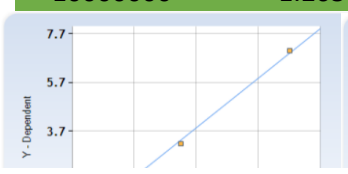


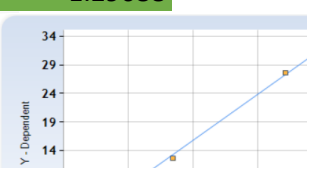


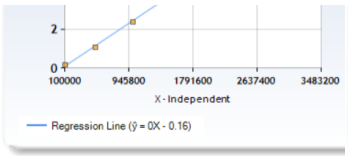


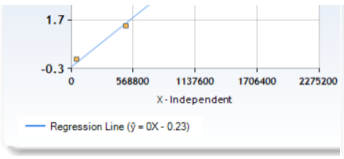
Binary Search Tree	Sort	5	100000	0.015625	0.1875	0.40625
			500000	0.0625	1.09375	2.1875
			1000000	0.125	2.40625	4.40625
			3000000	0.390625	7.71875	13.1719
	remove_dups_same_order		50000	0.015625	0.09375	0.21875
			500000	0.0625	1.46875	2.15625
			1000000	0.125	3.1875	4.125
			2000000	0.25	7.01562	8.01562
	remove_dups_any_order		100000	0.015625	0.171875	0.421875
			500000	0.0625	1.0625	2.10938
			1000000	0.125	2.35938	4.03125
			1500000	0.1875	3.48438	6.1875
	mode		100000	0	0.171875	0
			1000000	0.125	2.125	0.125
			5000000	0.640625	12.5781	0.75
			10000000	1.26562	27.6562	1.29688

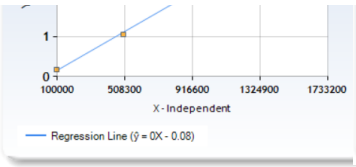


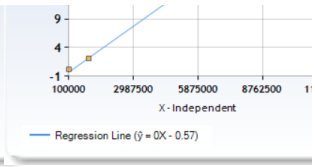




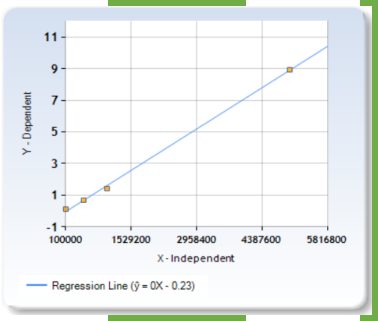


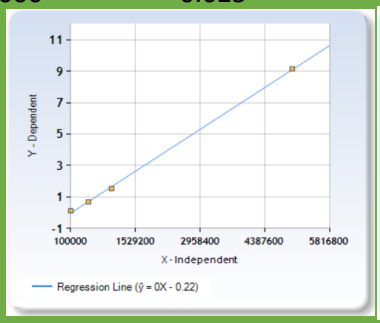


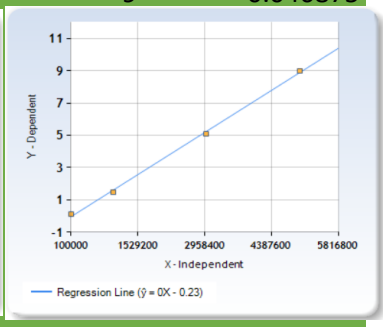




Priority Queue	Sort	5	100000	0	0.109375	0.4375
			500000	0.078125	0.65625	2.14062
			1000000	0.125	1.4375	4.29688
			5000000	0.625	8.9375	20.8281
	remove_dups_same_order		not sensible implementation			
	remove_dups_any_order		100000	0.015625	0.109375	0.4375
			500000	0.0625	0.671875	2.125
			1000000	0.125	1.51562	3.98438
			5000000	0.625	9.125	17.5781
	mode		100000	0.015625	0.109375	0.015625
			1000000	0.125	1.48438	0
			3000000	0.40625	5.09375	0.03125
			5000000	0.625	9	0.046875

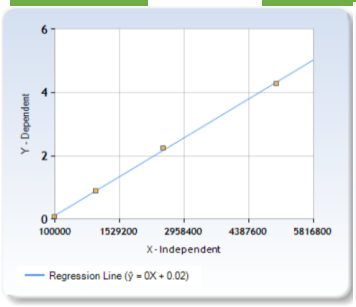


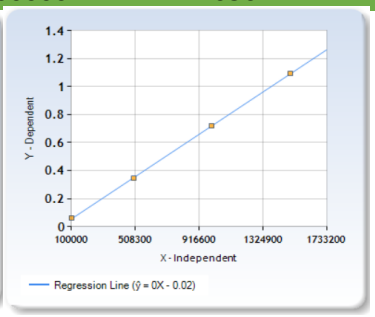


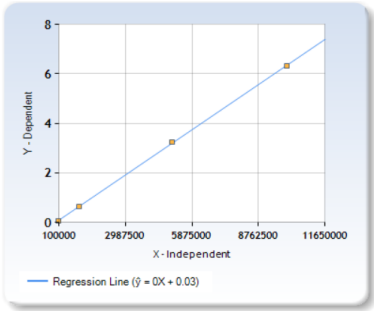


Hash Table	Sort	5	not sensible implementation			
	remove_dups_same_order		100000	0.015625	0.0625	0.421875
			1000000	0.125	0.890625	4.25
			2500000	0.3125	2.25	9.5
			5000000	0.625	4.28125	17.4531
	remove_dups_any_order		100000	0.015625	0.0625	0.40625
			500000	0.0625	0.34375	2.10938
			1000000	0.125	0.71875	4.125
			1500000	0.203125	1.09375	6.07812
			100000	0.015625	0.0625	0

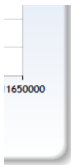
mode		1000000	0.125	0.65625	0.0625
		5000000	0.640625	3.25	0.234375
		10000000	1.26562	6.32812	0.375







Conclusion: They are all very much of linear(O(N)) complexity in actual program run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