OS X TESTS

N Items (10 Capacity)	Time (ms)	Java: BruteForce		N Items (10 Capacity)	Time (ms)	C++: BruteForce
4	0			4	1	
8	2			8	1	
16	78			16	349	
32	DUMP	OOM		32	BAD_ALLOC	OOM
64	DUMP	OOM		64	BAD_ALLOC	OOM
128	DUMP	OOM		128	BAD_ALLOC	OOM
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	0	
1000	0			1000	0	
10000	0			10000	0	
100000	0			100000	0	

N Items (10 Capacity)	Time (ms)	Java: Dynamic w/ MemoryFunction		N Items (10 Capacity)	Time (ms)	C++: Dynamic w/ Memory Function
4	0			4	1	
8	0			8	0	
16	0			16	0	
32	0			32	1	
64	0			64	1	
128	0			128	2	
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	1	
1000	0			1000	2	
10000	0			10000	0	
100000	0			100000	1	

N Items (10 Capacity)	Time (ms)	Java: Dynamic w/o Memory Function		N Items (10 Capacity)	Time (ms)	C++: Dynamic w/o Memory Function
4	0			4	1	
8	0			8	1	
16	0			16	2	
32	0			32	1	
64	0			64	1	
128	0			128		
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	1	
100	0			100	3	
1000	0			1000	3	
10000	3			10000	1	
100000	7			100000	10	

N Items (10 Capacity)	Time (ms)	Java: Branch & Bound		N Items (10 Capacity)	Time (ms)	C++: Branch & Bound
4	0			4	0	
8	0			8	1	
16	0			16	1	
32	0			32	3	
64	0			64	2	
128	0			128	5	
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	1	
100	0			100	4	
1000	0			1000	1	
10000	0			10000	1	
100000	0			100000	1	

UNIX TESTS

N Items (10 Capacity)	Time (ms)	Java: BruteForce		N Items (10 Capacity)	Time (ms)	C++: BruteForce
4	0			4	0	
8	6			8	1	
16	406			16	195	
32	DUMP	Out of Memory		32	BAD_ALLOC	Out of Memory
64	DUMP	Out of Memory		64	BAD_ALLOC	Out of Memory
128	DUMP	Out of Memory		128	BAD_ALLOC	Out of Memory
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	0	
1000	0			1000	0	
10000	0			10000	0	
100000	0			100000	0	

N Items (10 Capacity)	Time (ms)	Java: Dynamic w/ MemoryFunction		N Items (10 Capacity)	Time (ms)	C++: Dynamic w/ Memory Function
4	0			4	0	
8	0			8	0	
16	0			16	0	
32	0			32	0	
64	0			64	0	
128	0			128	0	
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	0	
1000	0			1000	0	
10000	0			10000	0	
100000	0			100000	0	

N Items (10 Capacity)	Time (ms)	Java: Dynamic w/o Memory Function		N Items (10 Capacity)	Time (ms)	C++: Dynamic w/o Memory Function
4	0			4	0	
8	0			8	0	
16	0			16	0	
32	0			32	0	
64	0			64	0	
128	0			128	0	
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	0	
1000	2			1000	0	
10000	20			10000	8	
100000	212			100000	74	

N Items (10 Capacity)	Time (ms)	Java: Branch & Bound		N Items (10 Capacity)	Time (ms)	C++: Branch & Bound
4	0			4	0	
8	3			8	1	
16	0			16	1	
32	1			32	3	
64	1			64	3	
128	1			128	6	
Capacity (4 Items)				Capacity (4 Items)		
10	0			10	0	
100	0			100	0	
1000	0			1000	0	
10000	0			10000	1	
100000	0			100000	0	