

# OS X TESTS

N (nodes)	Time (ms)	Java: Warshall	Mac		N (nodes)	Time (ms)	C++: Warshall w/o printing	Mac
4	0				4	1		
8	0				8	0		
16	0				16	1		
32	1				32	0		
64	5				64	3		
128	17				128	19		
256	43				256	130		
512	309				512	778		
1024	2578				1024	6341		
4096	166397				4096	413127		
N (nodes)	Time (ms)	Java: DepthFirstSearch	Mac		N (nodes)	Time (ms)	C++: DepthFirstSearch	Mac
4	0				4	1		
8	0				8	1		
16	0				16	1		
32	1				32	1		
64	4				64	2		
128	30				128	9		
256	28				256	55		
512	198				512	322		
1024	1437				1024	2427		
4096	86071				4096	157579		

# UNIX TESTS

N (nodes)	Time (ms)	Java: Warshall	Unix		N (nodes)	Time (ms)	C++: Warshall	Unix
4	0				4	0		
8	0				8	0		
16	0				16	0		
32	6				32	0		
64	33				64	3		
128	109				128	19		
256	82				256	150		
512	804				512	1558		
1024	8821				1024	14906		
4096	499487				4096	962130		
N (nodes)	Time (ms)	Java: DepthFirstSearch	Unix		N (nodes)	Time (ms)	C++: DepthFirstSearch	Unix
4	0				4	0		
8	0				8	0		
16	0				16	0		
32	2				32	1		
64	19				64	1		
128	43				128	6		
256	66				256	48		
512	331				512	362		
1024	1614				1024	2745		
4096		<--Stack Overflow			4096	173429		

Time Comparisons between Implementations and Systems				
Time Comparisons between Implementations and Systems (512 nodes)				
Warshall		Parameters for all comparisons: (adjacency matrix with 512 nodes)		
Unix C++	Unix Java		Java was 1.93 times Faster Than C++ on Unix	
1558	804	1.93781094527363	x Faster than C	
Warshall				
OSX C++	OSX Java		Java was 2.51 times Faster Than C++ on OS X	
778	309	2.51779935275081	x Faster than C++	
2.0025706940874	2.60194174757262			
C++ on OSX returned a value 2.00 times Faster	Java returned a solution 2.60 times faster on OS X vs Unix			
DFS				
Unix C++	Unix Java		Java was 1.09 times Faster Than C++ on Unix	
362	331	1.09365558912387	x Faster than C++	
DFS				
OSX C++	OSX Java		Java was 1.62 times Faster Than C++ on OS X	
322	198	1.626262626263	x Faster than C++	
1.12422360248447	1.67171717171717			
C++ returned a value 1.12 times Faster on OS X	Java returned a solution 1.67 times faster on OS X			
Comparison of Warshall & DFS				
Unix C++	1558	362	4.30386740331492	DFS was 2.47 times faster than Warshall: Unix C++
Unix Java	804	331	2.42900302114804	DFS was 1.68 times faster than Warshall: Unix Java
OS X C++	778	322	2.41614906832298	DFS was 4.49 times faster than Warshall: OS X C++
OS X Java	309	198	1.56060606060606	DFS was 2.26 times faster than Warshall: OS X Java