

TIME												ALL		
Java			C++			Python								
size	Reference	Value	size	Reference	Value	size	time		size	Java	C++	Python		
200	16	18	200	35	31	100	1278		200	16	35	9882		
400	74	75	400	299	259	200	9882		400	74	299	79630		
600	257	280	600	1061	927	300	33901		600	257	1061	282496		
800	630	625	800	2878	2509	400	79630		800	630	2878	643968		
1000	1356	1279	1000	5987	5338	500	154943		1000	1356	5987			
1200	2951	2655	1200	12893	11336	600	282496		1200	2951	12893			
1400	7480	7267	1400	21651	19889	700	439352		1400	7480	21651			
1600	15934	16790	1600	33185	30876	800	643968		1600	15934	33185			
1800	26549	29867	1800	47656	45026				1800	26549	47656			
2000	79480	42725	2000	75055	69704				2000	79480	75055			
2200	50975	68337	2200	92194	85601				2200	50975	92194			
MEMORY														
size	Reference	Value	size	Reference	Value	size	memory		size	Java	C++	Python		
200	3033	3566	200	3390	4103	100	22320		200	3033	3390	23168		
400	5004	7663	400	7900	7999	200	23168		400	5004	7900	26564		
600	9712	16350	600	15612	15500	300	24908		600	9712	15612	30480		
800	17376	16196	800	27723	25790	400	26564		800	17376	27723	31732		
1000	13217	40257	1000	45298	43220	500	29052		1000	13217	45298			
1200	19427	74049	1200	68503	65712	600	30480		1200	19427	68503			
1400	51338	120646	1400	99131	99190	700	27228		1400	51338	99131			
1600	83358	181063	1600	139519	139572	800	31732		1600	83358	139519			
1800	121765	83724	1800	188635	188641				1800	121765	188635			
2000	169374	133684	2000	250292	250635				2000	169374	250292			
2200	226724	208819	2200	320011	320092				2200	226724	320011			





