Short Project #6 - Report

Group 27
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Question 8

Input array is Shuffled

Input Size		Runtime in msec	
N	K	Java PQ (remove and add)	BinaryHeap (replace)
100K	10K	27	24
500K	100K	89	67
1M	500K	335	199
5M	500K	878	700
5M	1M	1490	1084
5M	4M	3917	1002
10M	5M	6664	3633
10M	9M	8184	1780
10M	100k	471	374

Input data in increasing order

Input Size		Runtime in msec		
N	K	Java PQ (remove and add)	BinaryHeap (replace)	
100K	10K	49	27	
500K	100K	81	58	
1M	500K	155	85	
5M	500K	666	557	
5M	1M	727	527	
5M	4M	818	217	
10M	5M	1638	760	
10M	9М	1662	346	
10M	100k	1200	1019	