

Report for SP11 (Team Task)

Performance evaluation by Time taken

For $k = n/2$ (median, where n is the # of elements in the array)

Algorithm	# of elements in the array			
	8M	16M	32M	64M
Priority Queue	1844 msec	3940 msec	Memory out of bounds	--
Select	173 msec	224 msec	--	--

Time taken by Select << Time Taken by Priority Queue

Select performs much better than Priority Queue.