

Priority queue: unordered and ordered array implementation

operation	argument	return value	size	contents (unordered)					contents (ordered)						
insert	P		1	P					P						
insert	Q		2	P	Q				P	Q					
insert	E		3	P	Q	E			E	P	Q				
remove max		Q	2	P	E				E	P					
insert	X		3	P	E	X			E	P	X				
insert	A		4	P	E	X	A		A	E	P	X			
insert	M		5	P	E	X	A	M	A	E	M	P	X		
remove max		X	4	P	E	M	A		A	E	M	P			
insert	P		5	P	E	M	A	P	A	E	M	P	P		
insert	L		6	P	E	M	A	P	L	E	M	P	P		
insert	E		7	P	E	M	A	P	L	E	E	M	P	P	
remove max		P	6	E	M	A	P	L	E	E	E	L	M	P	

A sequence of operations on a priority queue