k1150942

n1 = 11
n2 = 50
n3 = 94
n4 = 2

0	1	2	3	4	5	6	7	8	9	10	11	12
107												
79	107											
11	79	107										
11	59	107	79									
11	50	107	79	59								
11	50	62	79	59	107							
11	50	23	79	59	107	62						
11	47	23	50	59	107	62	79					
11	47	23	50	59	107	62	79	94				
11	19	23	50	59	107	62	79	94	59			
11	19	23	50	24	107	62	79	94	59	47		
2	19	11	50	24	23	62	79	94	59	47	107	
2	19	6	50	24	11	62	79	94	59	47	107	23

0	1	2	3	4	5	6	7	8	9	10	remarks
54	28	39	8	17	20	21	5	2	15	1	we delete max node (54) and insert lowest right most node
1	28	39	8	17	20	21	5	2	15		we compare with children and down heap with bigger
39	28	1	8	17	20	21	5	2	15		same process again, we switch with node 21
39	28	21	8	17	20	1	5	2	15		new max heap order constructed