



































DS.P.19	
Heapsort Complexity	
For n elements	
It takes 2n comparisons to build the heap.	
After that there are n sorting steps	
with $2\log_2 i$ comparisons at the ith step.	
$2n + 2\sum_{j=1}^{n} \log_2 i$ This term dominates.	
$= O(n \log_2 n)$	