



× if smalled != i: swap (anti), antsmallest])
minheapily (smallest) 2 4 6 <u>6</u> heap size = n min Heap?

3 × 5 smallest index of last non-leaf/internal hode: n-1/2 6-1=2No! x/ 4 6 buildheap: for j= n-1 j>=0 j--⇒ Ensure: Heap! minheapily (j) Stackoverflow !! 0(nlogn) ??? loop: n/2 x ollogn) Once a boarch is Inhihon: corrected, you don't make recursive call that offen. 0 (2n) assume heap. not a heap. 0(n) ninheapity (j) minheapity (don't call correct it. $O(N_2) \rightarrow O(n)$ it that often) 2 4 0000 2