

therealczr@DS-HW:~/Desktop/DS-HW/HW09\$./HW

For n= 1000 t = 0 10013445 N= 10000 t= 0.0104655 h- 1000000 t = 0.5328355 N= 300000 t- 3.017355 H= 10.00000 t=11-36785

0.001344s therealczr@DS-HW:~/Desktop/DS-HW/HW09\$ g++ HW9_5_109511207.cpp -o HW therealczr@DS-HW:~/Desktop/DS-HW/HW09\$./HW 0.010465s therealczr@DS-HW:~/Desktop/DS-HW/HW09\$ g++ HW9_5_109511207.cpp -o HW therealczr@DS-HW:~/Desktop/DS-HW/HW09\$./HW 0.532835s therealczr@DS-HW:~/Desktop/DS-HW/HW09\$ g++ HW9_5_109511207.cpp -o HW therealczr@DS-HW:~/Desktop/DS-HW/HW09\$./HW 3.01735s therealczr@DS-HW:~/Desktop/DS-HW/HW09\$ g++ HW9_5_109511207.cpp -o HW therealczr@DS-HW:~/Desktop/DS-HW/HW09\$./HW 11.3678s 8:3-0: O(nlogn) #

(2) reheaplp: 0(logh), reheapboun: 0(logh) #