which our array grows we heed to

16] make as many pushes as the

Size of our array each time

it grows, but only need to grow when

we han out of space (a) we can see that if h=64, we need a further 32+16+8+4+2+1-pushes, plus 64 actions to add the actual values So, h+2-1=3h-1 from appending values K = logzh, for pshes needed 3n-1= O(h), So T(h)=O(h) 6) 0,1,2,3,45,697 We Know that Summing them in order is robbing through n, 1, 52 9, 13, and the other method takes just as many additions. 65 28 226 torther, from the way in a loop structure for it to be for (if a, size; 1+1) } Och? Method (a) { return method(b) thus it is O(n)

Hilroy