Sig SL $f(n) = \underline{\underline{\Lambda}}_{(g(n)), f(n)} \geq c$ for all $n \geq n0$ V = (00) $Start = \frac{1}{2} - 50 = 0$ $Start + roung = \frac{100}{2} + 50 = (00)$ V = (0000) $Start + roung = \frac{10000}{2} - 50 = 4950$ $Start + roung = \frac{10000}{2} + 50 = 5050$ P(N) = 306 C= 306 9(4)-1 7 2+2 N for (int i = 0; i < size; i++) (
prints("ed\n", err(i)); N ~ +4 -> (N) for (int i = 0; i < 100; i++) (
printf("Hi\n"); (**) 30+309/s → Q(N) for (int i = 0; i < size; i++) {

printf("d\n", arr[i]): w
} 302 +20 +20 +2 502 +40 +2 @ (~) 7 13 45 53 83 49 - 15 45 49 83 53 - 15 45 49 83 53 reverse sorted amy 87, 53, 49, 45, 15 504 fed avrig 15, 49, 53, 83 Worst case: 15 Sorted () ne? Consider the shape of the input array.

ase: $O(\nu^{\nu})$ (v) 15 45 49 53 83 on Soft-what towers, sort Blow int [] [53 82, 15, 45, 49]);
83, 15, 45, 45] -> 57 87 15 45 49 0 15 45 49 15 45 49 83 45 49 45 49 54 83 15 45 53 83 49 53 [

Worse case: Θ (\sim^{ν})

Best case: Θ (\sim^{ν})

1

2

4