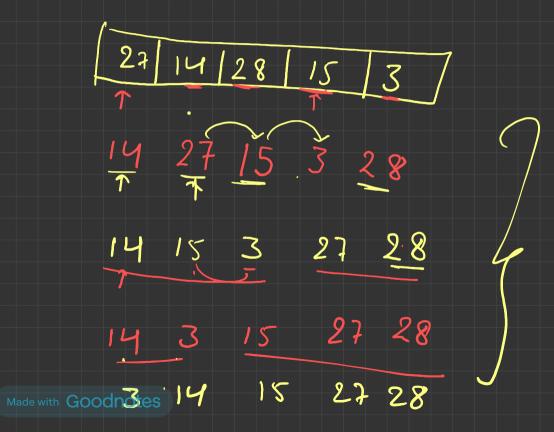
Bubble Sort



The state of the s

oodnotes

18 11 20 5 8 7 18 for (j=0; j<84; j++) { if (arr[j] > arr[j+1]) Swap (arr[i]; arr[i+1]

for
$$(i=3;i)=0;i++)$$
 for $(i=3;i)=0;i++)$ for $(j=0;j $(j=0;j $(j=0;j++)$ $(j=0;j++)$$$

 n^2-n^2 worst $\rightarrow O(n^2)$ Best >0(n), 52(n) for (i=3; i)=0; i++) { Rool swapped = 0; for (j=0; j<i; j++) { if (arr[j] > arr[j+1]) Swap (arr[], arr[j+1] swapped = 1; if (swapped = = 0) break;

Avg > 0(n2)

8 (n)

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