# Finding Min & Max in an unsorted array

input: unsorted array of size $\underline{n}$

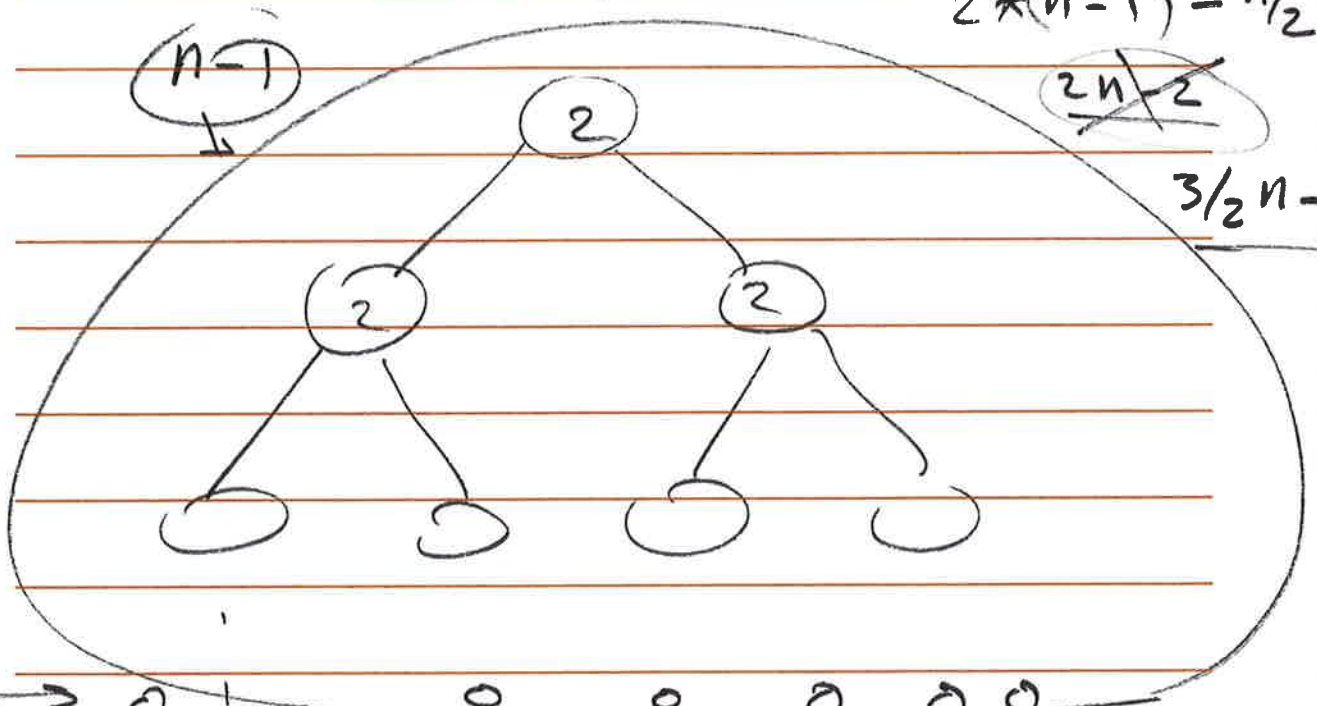output: Min and Max in the array

Brute force:   $n-1$ comparisons to find Min

" " " " Max
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$2n-2$ " " Min & Max

$$O(n)$$

$(n-1)$

$2 \times (n-1) - \frac{n}{2}$

$\frac{2n-2}{}$

$\frac{3}{2}n - 2$

$\frac{n}{2}$

$n$