

Lecture 10: Quicker Sorting



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Menu

- compose and n-times
- Measuring Work:
 - What θ really means
- Quicker Sorting



What does θ really mean?

- $O(x)$ - it is **no more than** x work
(upper bound)

$\forall \Theta(x)$ - work scales as x (tight bound)

$\forall \Omega(x)$ - it is **at least** x work
(lower bound)

If $O(x)$ and $\Omega(x)$ are true,
then $\Theta(x)$ is true.

