

Naive Method

- Not a recurrence relation, instead $O(n^3)$

Divide & conquer

$$T(n) = 2T(n/2) + O(n)$$

$$T(n) = O(n^3)$$

Strassen

$$T(n) = 7T(n/2) + O(n^2)$$

$$T(n) = O(n^{\log_2 7})$$