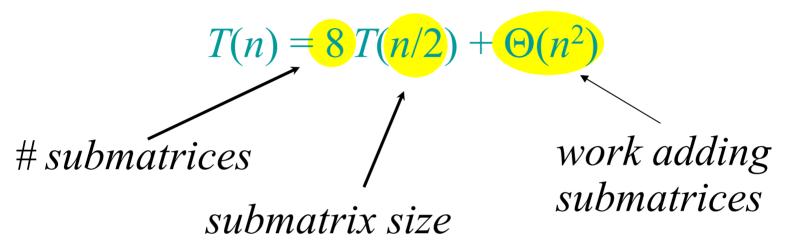


Analysis of D&C algorithm



$$n^{\log_b a} = n^{\log_2 8} = n^3 \implies \text{CASE } 1 \implies T(n) = \Theta(n^3).$$