

$$T(n) = an^3 + bn^2 + cn + d$$

$$\uparrow \qquad \uparrow \qquad \uparrow \qquad \uparrow$$

machine dependent constr.

Study T(n) in the limit n->00

Asymptotic analysis

 $T(n) = \theta(n^3) \rightarrow Growth$

T(m)
$$\begin{array}{c}
a f(n) = n^{2} \\
c g(n) = n^{3}
\end{array}$$

$$\begin{array}{c}
a > c \\
d > n \\
f(n) = n^{2}
\end{array}$$

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