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Ex. 3,1-4

$$\frac{2x \cdot 3 \cdot 1 \cdot 2}{(n+\alpha)^b} = \theta(n^b) \qquad n+q \leq n+|q| \leq 2n$$

$$0 \le \left(\frac{1}{2}\right)^b n^b \le (n+a)^b \le (2^b) n^b$$
 $c_1 = \left(\frac{1}{2}\right)^b c_2 = 2^b$

Slide examples

$$n+2$$
 $n+2$
 $n+1$
 $(2n+4)$

for (i=0; i(=n; i++) (2n+4) > $+(n)$. $-(n-2+16n+16+0)$ (n?)

for (i=0; i(=n; j++) (2n+4)

Stelement block;

for (i=0; i <= n; i++) for (j=1; j'=2) 120 Statement block; for (i=1; ic=n; i=3)

Statement block i

for (j=1; j' (= n; j = 2)