

$$x \sim 10^6$$

$$x+y \sim 2 \cdot 10^6$$

$$y \sim 10^6$$

$$x \cdot y \sim 10^{12}$$

1 GHz $\sim 10^9$ operaci za Δ

$2 \cdot 10^6$ operaci asi za 2 kiciny Δ
~~(2)~~

10^{12} operaci \sim za 1000 Δ

$$\frac{10^{12}}{10^9} = 10^3$$

$$\frac{1000 \ 000 \ 000 \ 000}{1000 \ 000 \ 000} = 1000$$

$$1000 \Delta \approx \frac{1000}{60} = \frac{100}{6} \sim 15 \text{ minut}$$

10^{12} of 15 minut

10^{14} of 1 den

$10^{16} \sim 10^{17}$ of 1 rok

10^{20} of \sim 1000 let

Sortieren ^m / Teilset vor istufen

$$n \approx n \log_2 n$$

$$n = 10^6$$

$$n \log_2 n \approx 10^6 \cdot \log_2 10^6 \stackrel{*}{=} 10^6 \cdot 20 = 20\,000\,000$$

~~$10^6 \cdot \log_2 10$~~

$$10^3 \stackrel{10}{=} 2$$

$$10^6 = 2^{20}$$

$$2^{10} = 1024$$

$$KB = 2 \text{ B}$$

kilo byte