

Aleg Karatsuba

Curs 2 0x01

R.S.A?

$$\begin{array}{r} 456X \\ 111 \\ \hline 456 \\ 456 \\ 456 \\ \hline + \end{array}$$

$$O(N^d), d \geq 2$$

$$\downarrow$$
$$O(N \log N)$$

$$0x1111 = (\underbrace{0001}_{1} \underbrace{0001}_{1} \underbrace{0001}_{1} \underbrace{0001}_{1})_2$$

$$N \text{ biti} : 2^N$$
$$0, 1, \dots, 2^N - 1$$

Floating Point

$$\begin{array}{r} + \\ - \\ \hline 0 \end{array}$$

$$\begin{array}{r} 0100 \\ \hline 41111000 \\ \hline 40001000 \end{array}$$

$$\frac{1.0}{0.0}$$

$$2^N = \sum_{i=0}^{N-1} 2^i + 1$$

$$-2^N = - \sum_{i=0}^{N-1} 2^i - 1 + \dots$$

$$\begin{array}{r} 0111 \\ 1 \\ \hline 1000 \end{array}$$

Lectur ă numere întregi