bonouve rucha

To the parente rules
$$\frac{1}{1}$$
 to $\frac{1}{1}$ to $\frac{1}{1}$

 \sqrt{pateur} 6 marcube nopez pegras $\sqrt{\frac{2}{3}}$ = $\frac{12}{\frac{3}{2}\sqrt{1}}$ $\sqrt{\frac{3}{2}}$ $\sqrt{\frac{3}{2}}$ $\sqrt{\frac{3}{2}}$ $\sqrt{\frac{3}{2}}$ $\sqrt{\frac{3}{2}}$

8) Hornorman

$$P(x_1, ..., x_n) = Z$$
 $Ci(x_1, x_2, ..., x_n)$
 $P(x_1, ..., x_n) = Z$
 $Ci(x_1, x_2, ..., x_n)$

When the P(x) =

 $= a_0 + a_1x^2 + a_2x^2 + ... + a_nx^n$
 $x = AO$ (10-yro c.e.)

 $A = AO$! neptudg respect pagpag.

The result of the page conditions of pages.

 $A = AO$! neptudg respect pagpag.

 A

return cool

$$A(x) = a_0 + a_1 x + \dots + a_n x^n$$

$$B(x) = b_0 + b_1 x + \dots + b_n x^n$$

$$A(x) \cdot B(x) = \left(\sum_{i=0}^{n} a_i x^i \right) \left(\sum_{i=0}^{m} b_i x^i \right) = \sum_{i=0}^{m+n} x^n \left(\sum_{i=0}^{n} a_i b_i \right)$$

$$(1)^{2} + 3x + 1) (5x + 4) =$$

$$= 2x^{2} \cdot 5x + 4 \cdot 2x^{2} + 3x \cdot 5x + 3x \cdot 4 + 5x \cdot 1 + 4 \cdot 1$$

Acumpionica: Q (N2)

1960

 $\rightarrow \bigcirc (N^{\log_2 3}) \sim \bigcirc (N^{1.58})$ 1 Kapany Sa

NW

A(x) = Qo +Q(x' + ... + Qv x) BCx)=B+B,x'+...+Bnx"

go comenereu 2

n=2k

$$a(x) = a_{1}(x) + x^{k} a_{2}(x)$$

 $b(x) = b_{1}(x) + x^{k} b_{2}(x)$
 $b(x) = b_{1}(x) + x^{k} b_{2}(x)$
 $b(x) = b_{1}(x) + x^{k} b_{2}(x)$

 $p(x) = a(x) \cdot b(x)$ P2(x) = Q1(x). B2(x)

 $deg(p_i(x)) = 2k = n$

 $t(x) = \left(\alpha_{1}(x) + \alpha_{2}(x) \right) \left(\beta_{1}(x) + \beta_{2}(x) \right)$

deg=n

$$A(k) \cdot B(k) = ((k) = p_1(k) + x^k (t(k) - p_1(k) - p_2(k)) + x^{2k} p_2(k)) + x^{2k} p_2(k)$$

Bonomhum Macmep-Teopeny.

$$T(N) = a \cdot T(\frac{N}{6}) + f(N)$$

$$N - payme^k$$

$$b - \pi a ckonoko racmen genum

$$a - ckonoko nog zagan$$

$$f(n) = Q(N^2) = c + log_0 a \Rightarrow T(N) = \theta(N^{log_0}a)$$

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$$f(n) = Q(N^2) = Q(N^2) = Q(N^2)$$

$$f(N) =$$$$

$$y_{i} = \frac{n-1}{2} \times_{k=0} \times_{k} e^{2i\pi \frac{k i}{N}} = \frac{n-1}{2} \times_{k} \omega_{i}^{k i}$$

$$\chi_{i} = \frac{1}{N} \frac{N^{-1}}{2} \quad y_{i} e^{(N_{N-1})}^{k i}$$

$$\Rightarrow \mathcal{D}(N \log N)$$