Doyon/odosuza

M { opa

$$\lim_{N\to\infty}\frac{1}{2^{(N)}}=\begin{cases}0\Rightarrow f=o(g)\\ 0\Rightarrow f=o(g)\end{cases}$$

I Scotnies Nogapithur

$$-\log\left(\frac{a}{e}\right) = \log a - \log 6$$

Isiozna

Zeipis

Apidharini Zapa (nerepaskin)

$$\frac{\sum_{i=1}^{n} i = n \cdot (n+1)}{2}$$

Fraterpui Zupa (nenzpackém

$$\sum_{i=0}^{k} x^{i} = \frac{x^{k+1}-1}{x-1}, x \neq 1$$

(anupa opiBhurini 6 4po)

$$\sum_{i=1}^{\infty} i = \infty$$

$$-\frac{3}{5}x^{i} = \frac{1}{1-x} \times (1,x+1)$$

$$-\frac{2}{5}x^{i} = \frac{1}{x-1} \times \frac{1}{x+1}$$

Master Theorem

 E_{Gl} η αναδρομική συνάρτιση $T(u) = α \cdot T(\frac{u}{b}) + f(u)$, (ε α, b >), f(u) > 0

- Bpicum to Noga
- Superior Tun f (n) he so mose
- Vianbirm Usbiusmess:

i) Far
$$f(N) \leq k \cdot N^{\log n - \ell} \Rightarrow f(N) = O(N^{\log n - \ell}) \leq 20$$
 Tore, $f(N) = O(N^{\log n n})$

$$||\hat{l}|| = \frac{1}{2} \left(\frac{1}{b} \right) = \frac{1}{2} \left(\frac{1}{b$$

Oswipato Atra Bazze

Ear exorte anaspotini execu Tus fopquis:

$$T(u) = \begin{cases} \frac{5}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the } \\ \frac{1}{i-1} a_i T\left(\frac{u}{b_i}\right) + o(u) & \text{in the$$

Tolly npoenadoute va npoesiopicale to p, com Ezicusa:

$$\sum_{i=1}^{L} a_i \left(\underbrace{j}_{b_i} \right)^p = 1$$

Esposon Prindre 20 p, npobbiopitante acutazionia TNV T(n). Divorzas TNV Egismen:

$$T(u) = \Theta\left(\sqrt{\frac{p}{1}} \int_{1}^{u} \frac{2(u)}{u^{p+1}} du \right)$$