A A A

1.	Oyenglane
•	KH 2 notox / WHODOPMOTUKO
	4 gom #4HU 4x-2.550
	Cem. Kontpanyo 45 90 nph 63618414
	45 96
٩	CTYGEHTY UT MUH. 209 - 100% UZNUT
	KH 1 NOTOR - UHGOPMASHIL
	3th Oyengeape 70
	HA NEROLL



KOWTO PRIZIPEMARNE CATOPUTEM CE WHTEPECYBONE OT:

- , APOCTOTO
- · KOPEKTHOLT
- · Sopzogeicibne

Chopper Ha anzopuism.

ф-Я по големичати на вхоус

F: N-) IN -) IN

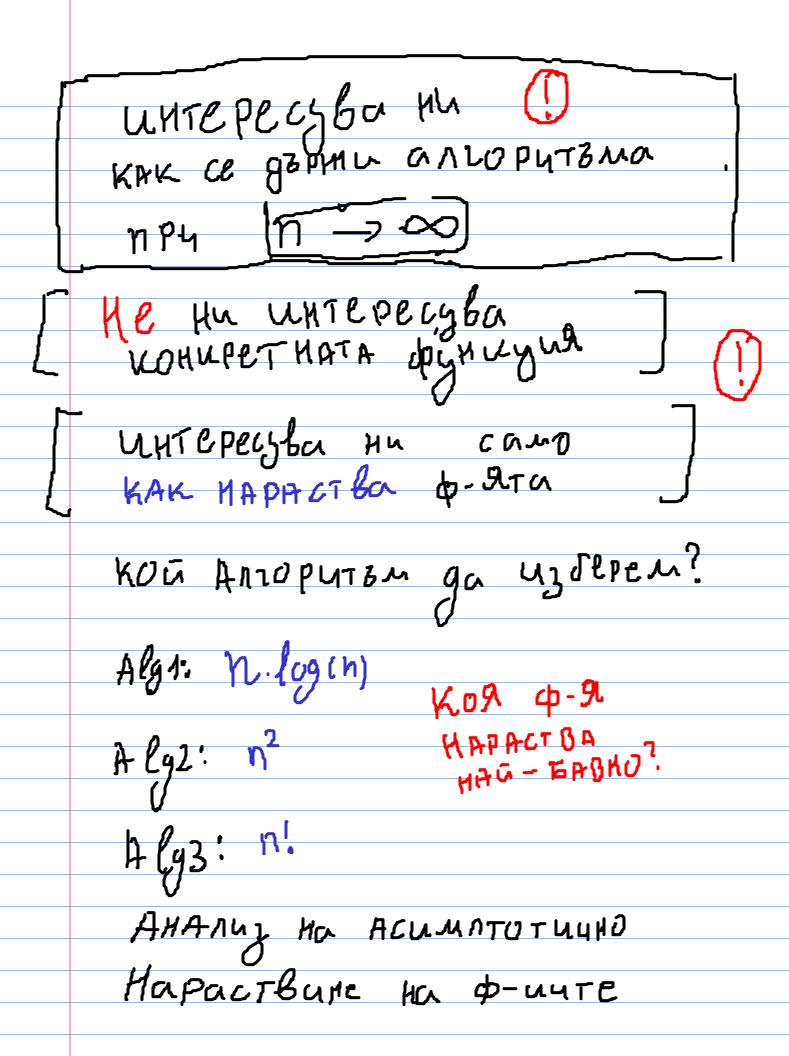
ha Broger

Mpunier za Wienupa Ha Bxoga:

- · Copthpose Ha Mache paymers T Ha Machea
- · MPECMATCHE HO N! n

Posemuhator Hor Broya

She cheriquise go 44 cho/44 cha



f: IN -> IN

g:1N -> IN

 $\begin{array}{c}
2(f) = \{g \mid g \mid He \mid Hupact ba \mid no. Jabho of g\} \\
\underline{r(f)} = \{g \mid \exists c(c>o) \exists no \forall n > no: 0 \leq c. ftm \leq g(n)\}
\end{array}$ $\begin{array}{c}
(f) = \{g \mid g \mid Hapact ba \mid TONKOBA \quad Japach ba \quad TONKOBA \quad$

$$\left(\frac{1}{f} \right) = \begin{cases} g \mid g \mid HAPACTEA IDAKOBA 58830 \\ KONKOTO F \end{cases}$$

 $\frac{1}{2}(f) = O(f) \cap \mathcal{L}(f)$

o(f)={glg Hapactba no-Jubro of f}

W(f)={ glg Kapactbo no-Jepzu ot f}

B C TOYNOCT go KONCTAHTEH MHOHILTER

n He Hapactba no-5000 or no \rightarrow $n \in O(n^2)$

3 ATTUCE ame. TALO).

n + n & O(h2)

n+ n = 0 (h)

HA KOHTPONNO/UZNUT:

Da en nogpequie no

CLCLMITOTHYHO HAPOLTBOHE

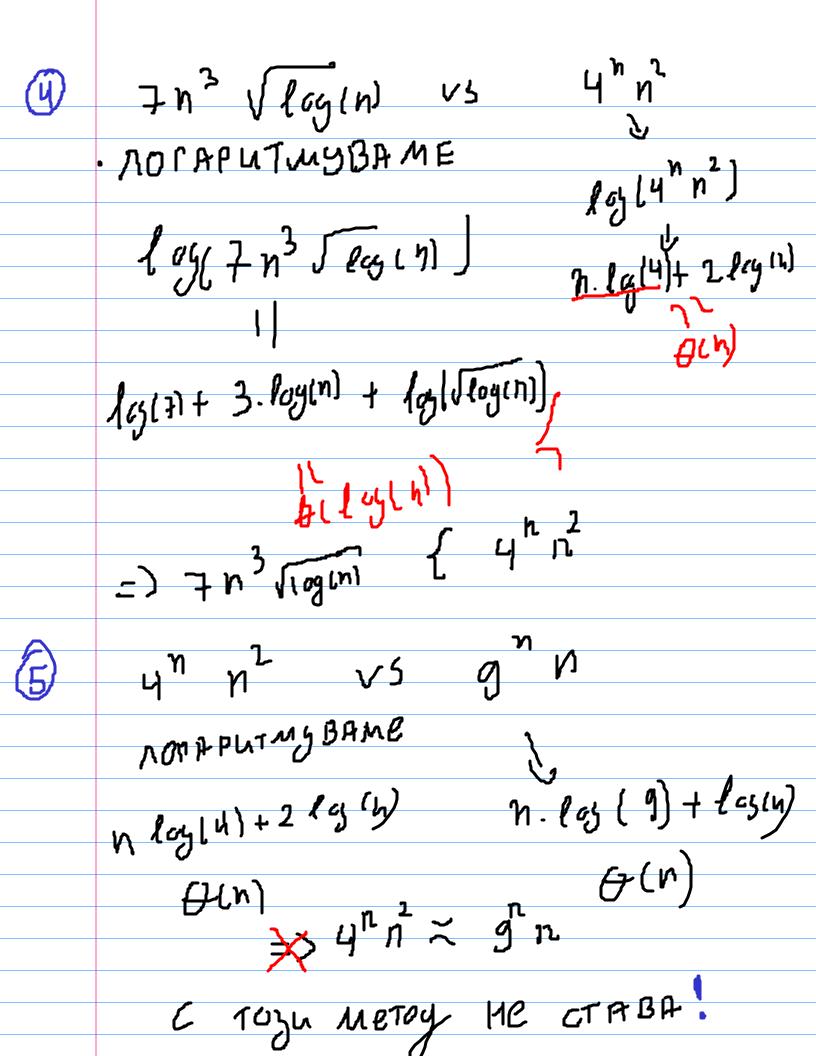
F{g ←> f € ().[g]

f > g (-) f & 52 (g) . f = g (-) f & O(4)

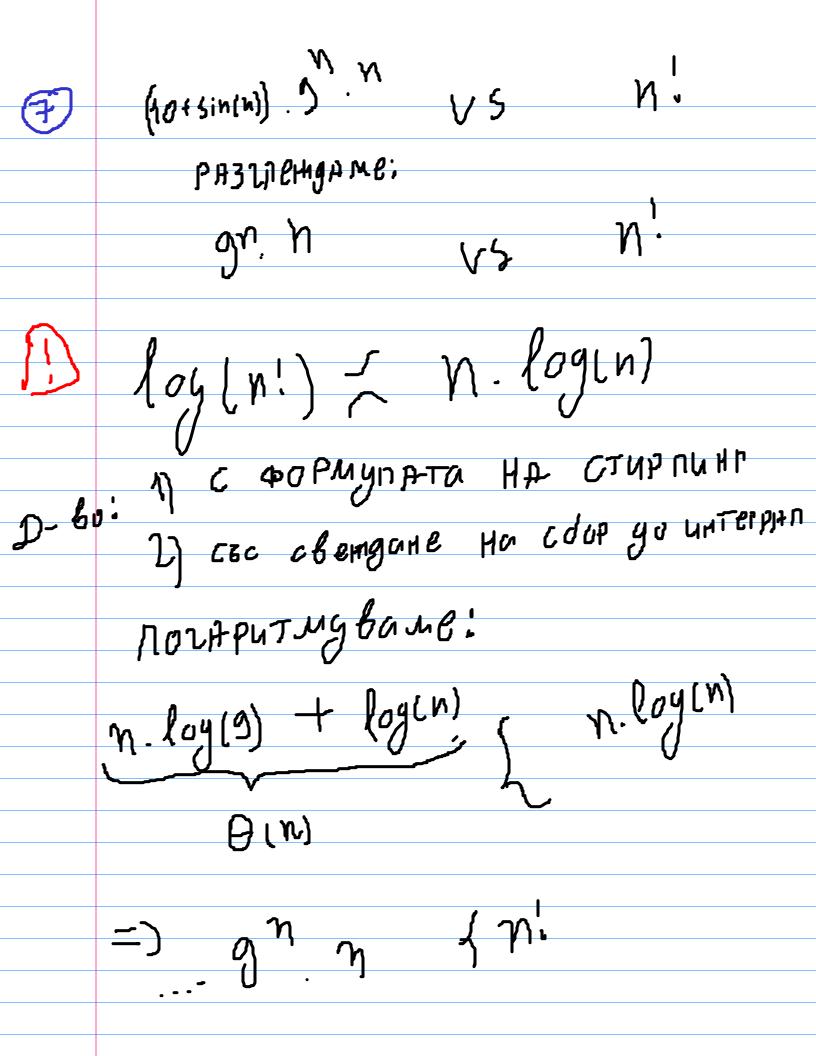
f / g (-) f & w (g)

ПРАВЫЛА: 1 61h) < n < n < n < n < n < n < 2 h · f = y -> log (f) = log (g) · log(f) { log(g) >> f/g $log(f) \mid log(g) = f \mid g$ $log(f) \mid log(g) = f \mid g$ log(f) log(g) = f g $\log(f) \approx \log(g) \Rightarrow f \approx g$ $f > g \Rightarrow log(f) > log(g)$ $f < g \Rightarrow log(f) < log(g)$ Meroy c lphhya Ha 4GETHOTO FUS & $\lim_{\Lambda \to \infty} \frac{f}{g} = \frac{OO}{Const} (f \to g)$ $0 \qquad (f \neq g)$

$$= \int_{N-3}^{\infty} \frac{1}{\sqrt{2}} \int_{N-3}^{\infty} \frac{1}{\sqrt$$



$$\frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}} \cdot \frac{1}{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}{1}}{1} = \frac{1}{1} \frac{9^{\frac{1}{1}} \cdot \frac{1}{1}}{1}$$



Onu-bame a rontfutmybate *(υ*) (ν) log (n!) n. log Ih) - n (04 (n) =>. Hux0!! η) \sim γ $n \sqrt{5}$ MORAPHTMYBAME: 2. n. 105(h) 2 (4)3)

$$\frac{1 \cdot m}{n \cdot 80} \frac{n^{2} \cdot (0) (1)}{n \cdot 805 (1)} = \lim_{n \to \infty} \frac{n \cdot (0) (1)}{n \cdot 805 (1)}$$

$$= 00$$

$$\frac{3}{n} \quad v_{5}$$

$$\frac{3}{n \cdot 805 (1)} \quad v_{5}$$

$$\frac{10}{n \cdot 805 (1)} \quad v_{7}$$

$$\frac$$