$$\frac{1}{2} \left(\frac{1}{2} \right)$$

$$\frac{1}{2} \left(\frac{1}{2} \right)$$

$$\frac{1}{2} \left(\frac{1}{2} \right)$$

$$\frac{1}{2} \left(\frac{1}{2} \right)$$

K < log (log(n)) > How many

when the loop > T(n) = 01 + log (log(n)) >> T(n)-Glog (log(n)) Di Void & 2 (int n) { for (int i= 1; i <= n; i++) € if ((i / (int) syrt(2)) == 0) { for (int k=0 ; k < por (i, 3); k+) {

$$= \sum_{K=7}^{3} \cdot \sum_{K=7}^{3} \cdot \left(\frac{1}{\sqrt{N}} \right)^{3}$$

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$$\begin{array}{c|c}
\frac{1}{3} & \frac{1}{4} & \frac{1}{6} \\
\frac{1}{5} & \frac{1}{16} \\
\frac{1}{5} & \frac{1}{16} \\
\frac{1}{5} & \frac{1}{16} & \frac{1}{16} & \frac{1}{16} & \frac{1}{16} \\
\frac{1}{5} & \frac{1}{16} & \frac{1}{16} & \frac{1}{16} & \frac{1}{16} & \frac{1}{16} \\
\frac{1}{5} & \frac{1}{16} \\
\frac{1}{5} & \frac{1}{16} &$$

$$= \sum_{n=1}^{\infty} \sum_{n=1}^{\infty} \log(n)$$

n= 20 i = 50 = 520

Soy = (0 Wer Mrs = (5

$$\frac{1}{(n)} = \sum_{i=0}^{n} \frac{\log(n)}{2i} \Theta(i)$$

$$\frac{1}{2i} = 0$$

From the int nextrige,
$$10 \cdot (\frac{3}{5})^k < n$$

$$(\frac{3}{5})^k < \frac{n}{6}$$

$$K \leq \log_{\frac{3}{2}} \left(\frac{2}{10}\right)$$

$$K = \log_{\frac{3}{2}} \left(\frac{2}{10}\right)$$

$$2) T(n) 2 \sum_{i=0}^{n} d \sum_{i=0}^{k} O(i)$$

$$= \frac{1}{\sqrt{2}} \left(\frac{3}{\sqrt{3}} \right) = \frac{1}{\sqrt{2}} \left(\frac{3}{\sqrt{3}} \right) = 0$$

$$= \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right)$$