

MERGEINSORT

Wednesday, 6 March 2019 14:54

if $r-p > k$ then $q =$

MERGE

MERGE

MERGE

}

else INSERTION

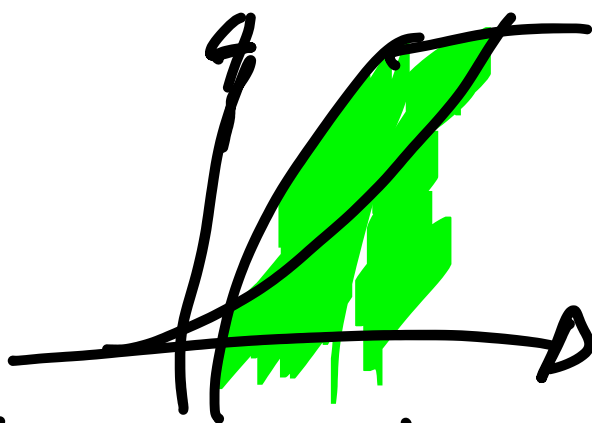
}

$T(n) =$

n

ca

$$\frac{p+r}{2};$$



$$\text{EINWORT}(A, p, q, k);$$

$$\text{EINWORT}(A, q+r, r, k);$$

$$F(A, p, q, r);$$

$$\text{WORT}(A, p, r);$$

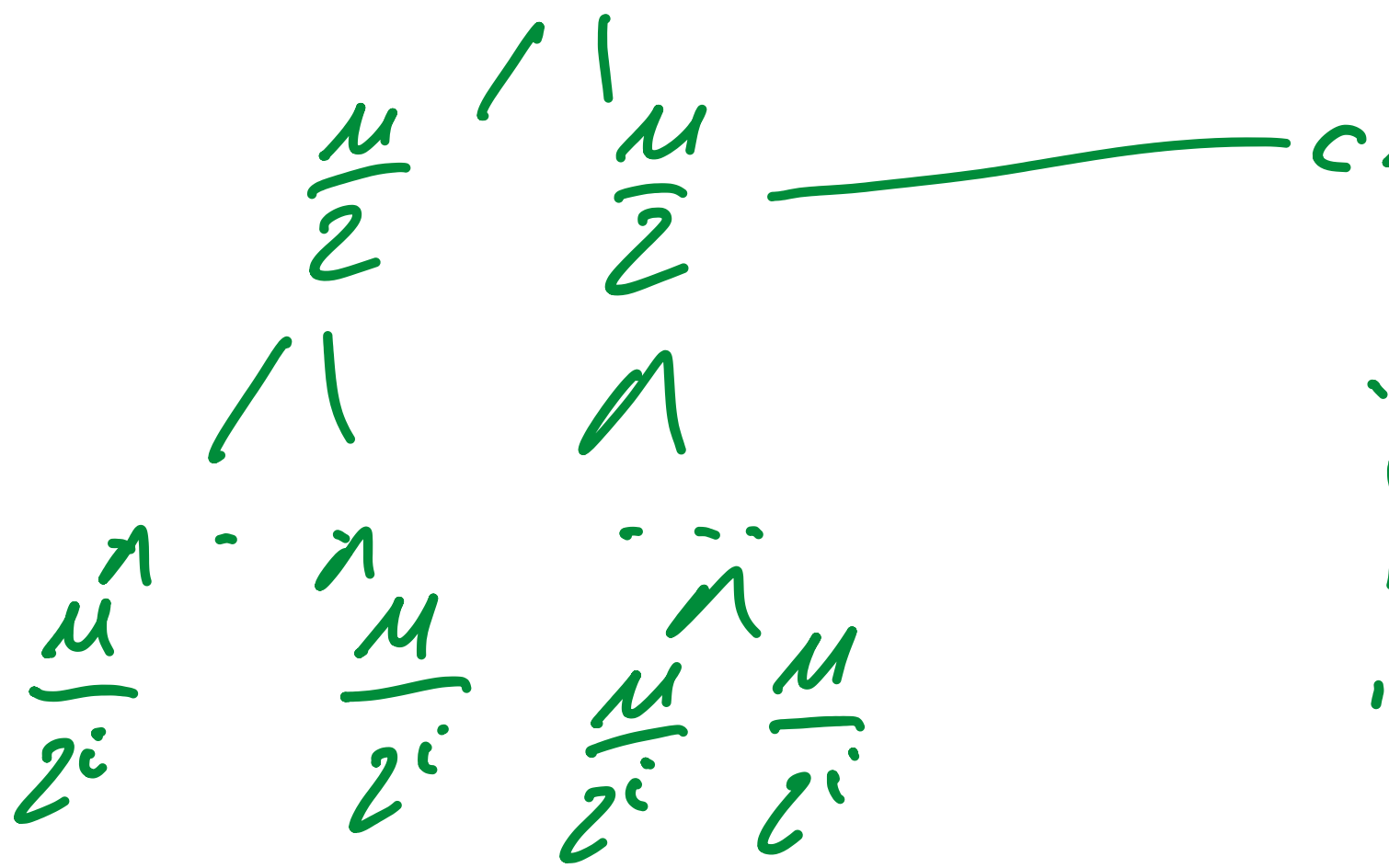
$$u^2$$

$$u < k$$

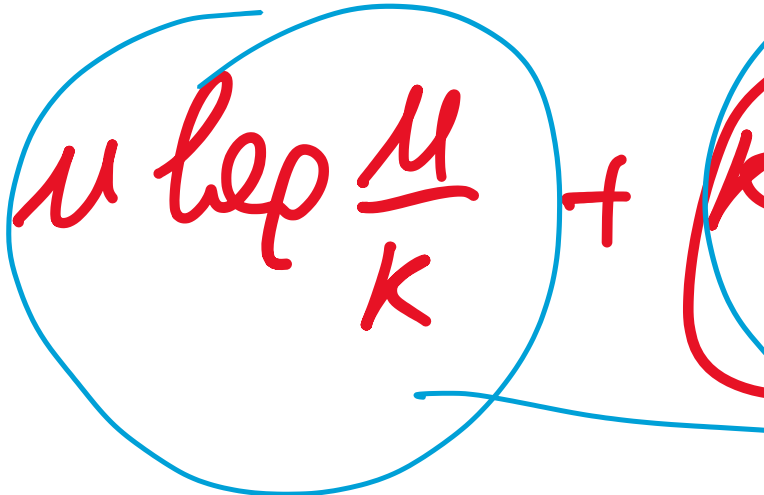
?

$$u \geq k$$

u \uparrow



Schritt $\frac{\mu}{k}$



$\log \frac{\mu}{k} = \log \mu - \log k$

μ

$$\frac{\mu}{2^i} = k$$

$$\frac{\mu}{k} = 2^i$$

$$i = \log \frac{\mu}{k}$$

μ



$\mu \cdot k$

INSERTION
SORT

ok

MERGESORT

