

$$e = [2, 5, 3, 8, 1, 6] \text{ dibagi } n$$

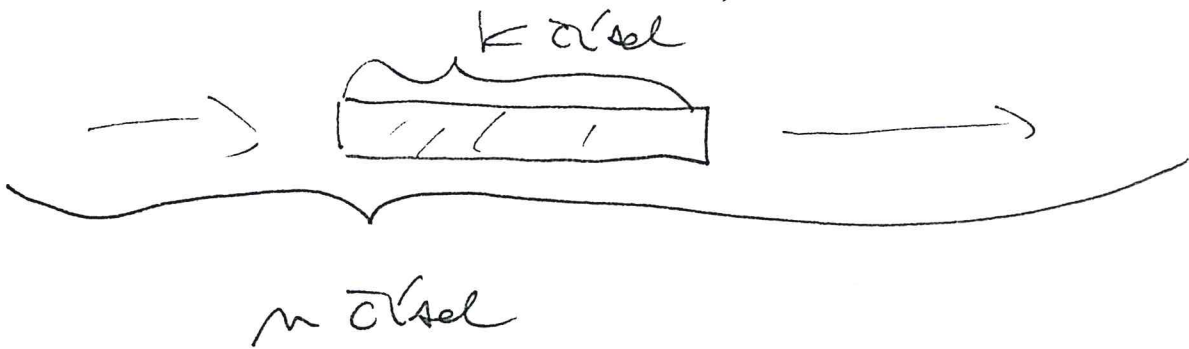
$$P = [2, 2+5, 2+5+3, 2+5+3+8, 2+5+3+8+1, 2+5+3+8+1+6]$$

kolaborasi srtama?

15 x

$$P = [2, 2+5=7, 7+3=10, 10+8=18, 18+1=19, 19+6=25]$$

5 x ~~n x~~  $O(n)$



$\sim n$  bit

pro kaidan  $\sim k$  srtan

celhan  $O(k)$  srtan

$n$  čísel

$k$  největších

periodické čísla  $\sim n \log(n)$

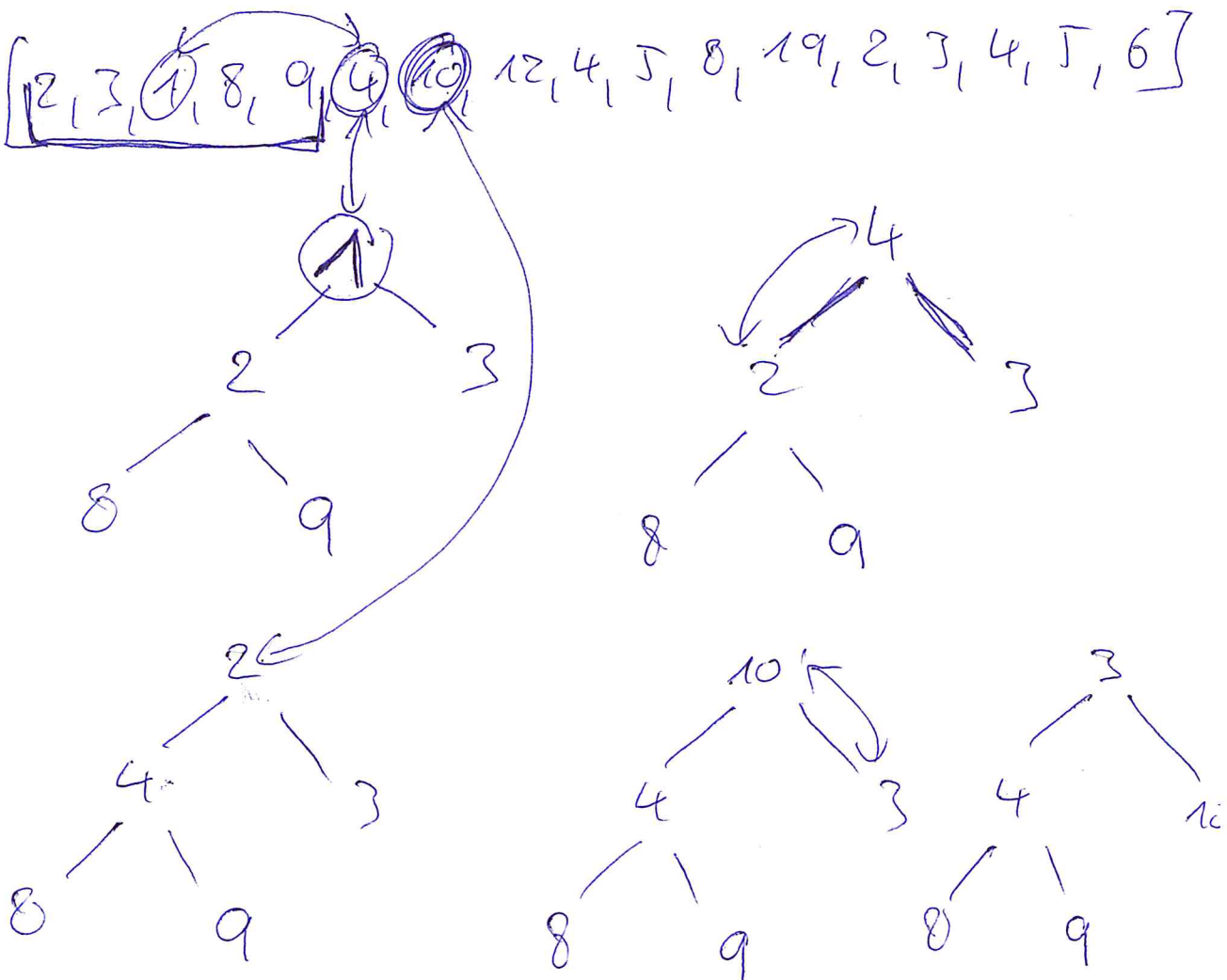
knížetická  $\sim k$

vybereme maximum  $\approx n$  čísel -  $O(n)$

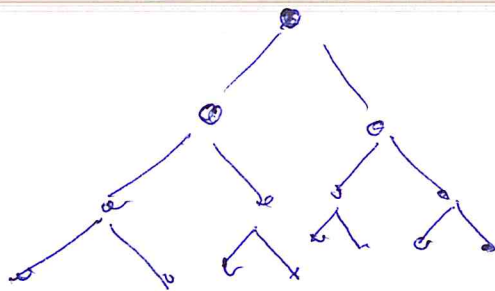
$k$  krát  $\dots$   $O(kn)$

$O(n \log(k))$

$\mathcal{L} = [2, 3, 4, 8, 9, 10, 12, 4, 5, 8, 19, 2, 3, 4, 5, 6]$



Binary search or K process  
 per node  $\sim \boxed{\log(k)}$



1	2 = 2 <sup>1</sup>
3	4 = 2 <sup>2</sup>
7	8 = 2 <sup>3</sup>
15	16 = 2 <sup>4</sup>

$$n = 512 = 2^9$$

$$k = 32 = 2^5$$

$$\log_2 512 =$$

$$= \log_2 2^9 = 9$$

$$n \cdot \log_2 n = 512 \cdot 9 \sim 5 \text{ ksec}$$

$$k \cdot n = 32 \cdot 512 \sim 16 \text{ ksec}$$

$$\underline{n \cdot \log_2 k = 512 \cdot 5 \sim 2.5 \text{ ksec}}$$