



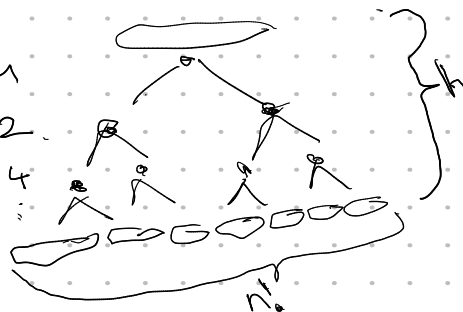
$n \cdot (n-1) \cdot (n-2) \cdot \dots \cdot 1 = n!$  způsob  
uspořádání

$$O(n^2)$$

$$O(n \cdot \log n)$$

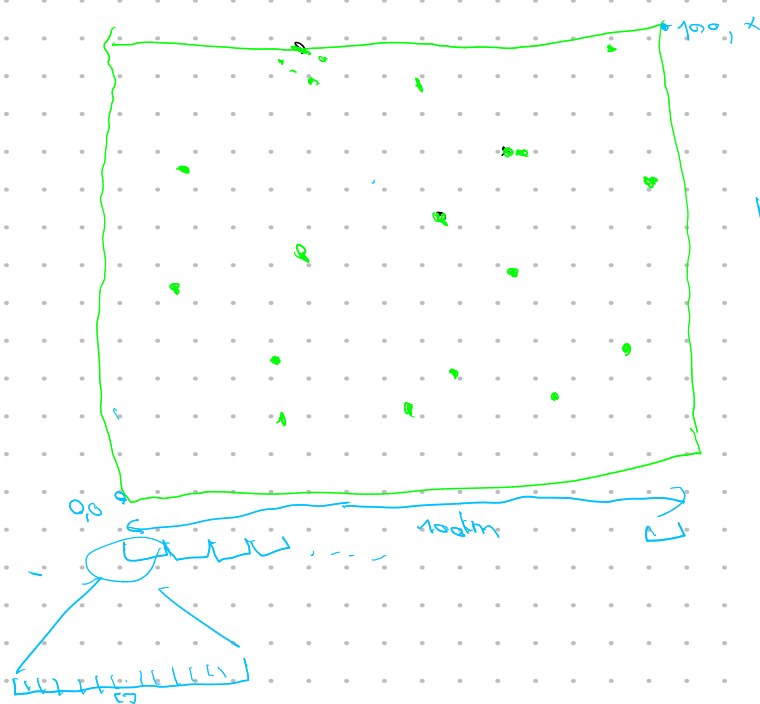
$a \rightarrow b$   
 $\leftarrow a \quad b$   
 $\quad b \quad a$

$$n! \leq 2^h$$



$$h \geq \log(n!)$$

$$\log(n!) \approx n \cdot \log(n)$$



BUCKET SORT  
RADIX SORT

$$n \approx 10000$$

$$3n$$