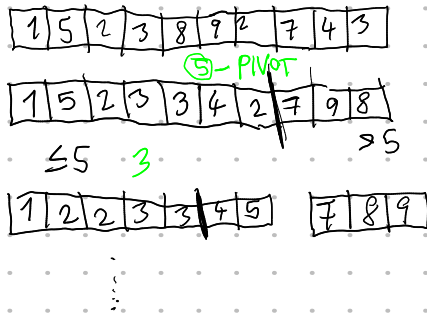


$\log_2 n$
 $\left\{ \begin{array}{l} n \\ \frac{n}{2} \\ \frac{n}{4} \\ \vdots \\ 1 \end{array} \right.$



QUICK SORT

$qs(aList)$
 $(l1, l2) = split(aList)$
 $\# \forall a \in l1, \forall b \in l2 : a \leq b$
 $s11 = qs(l1)$
 $s12 = qs(l2)$
 $return(s11 + s12)$

