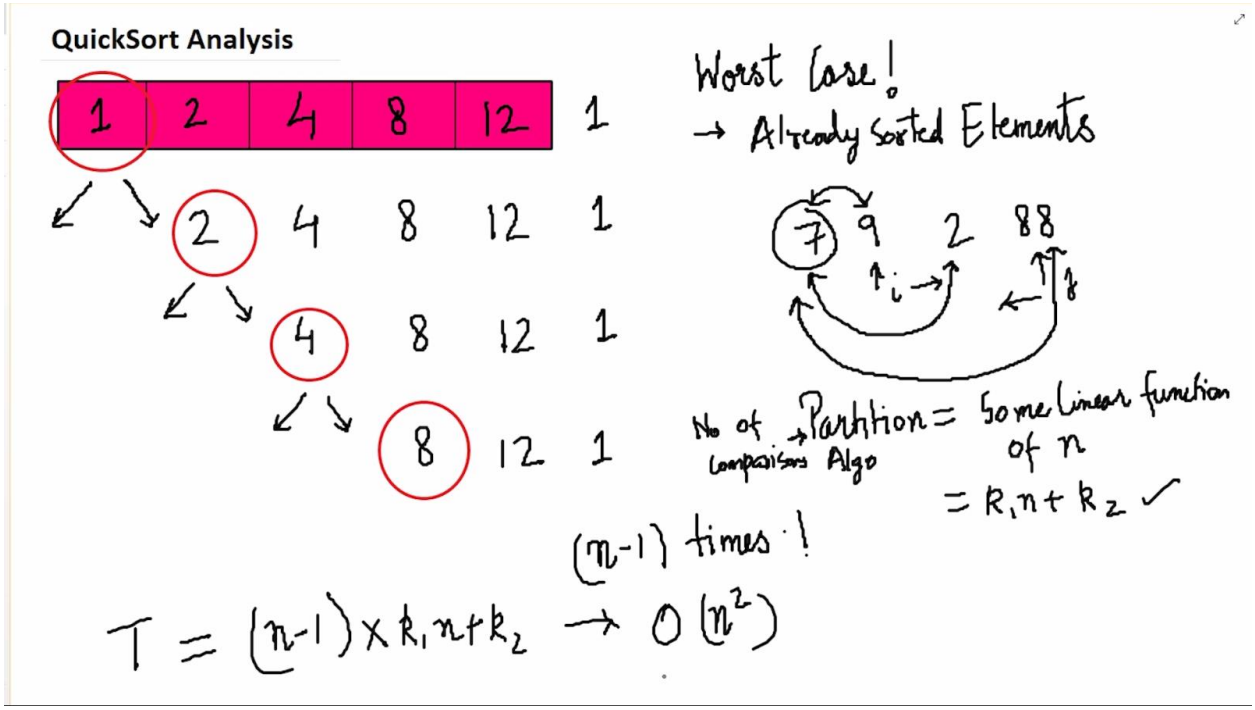
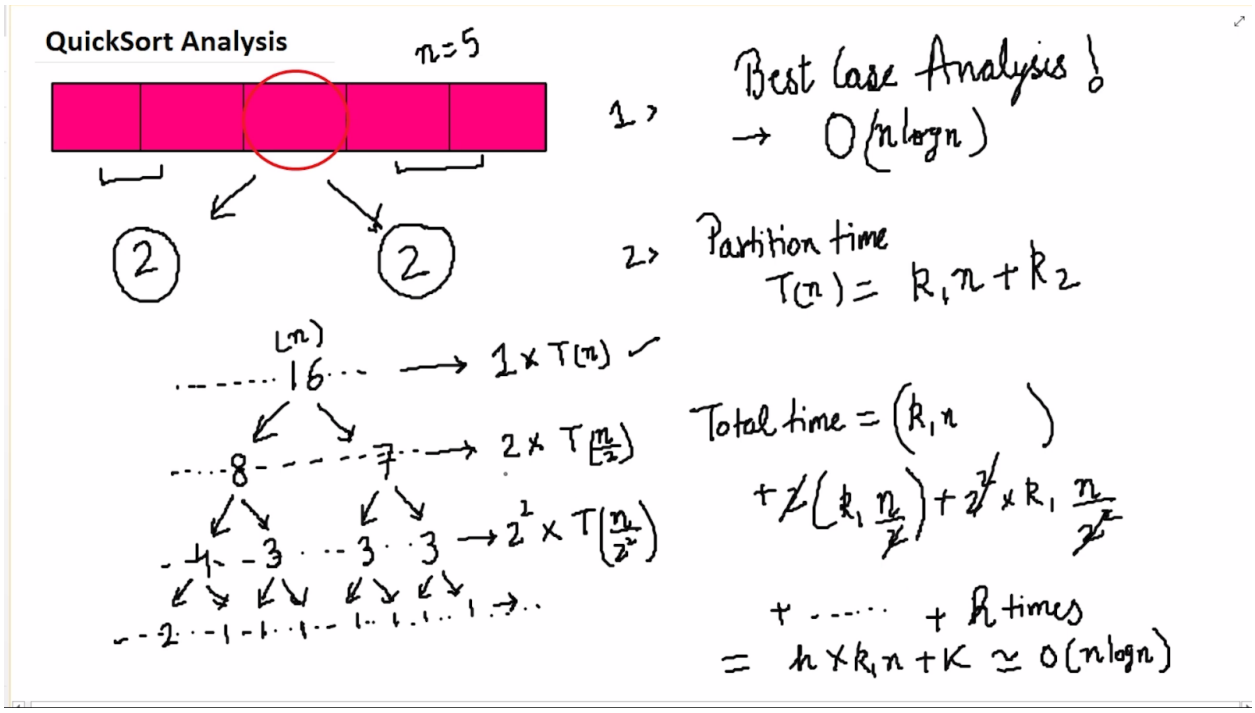
1. $Time\ Complexity\ in\ worst\ case = O(n^2)$
2. $Time\ Complexity\ in\ best\ case = O(n * \log(n)) = \ Time\ Complexity\ in\ average\ case$
3. **Quick Sort is <u>not</u> a stable algorithm**
4. **Quick Sort is an <u>inplace</u> algorithm** → take no extra space





Height of the tree = log (n)