Sorting Problem Solving

$$m = 10^{5}$$

$$\mathcal{L}$$

$$Peob = \frac{1}{W} \cdot \frac{2}{m-2} \cdot \frac{2}{m-3}$$

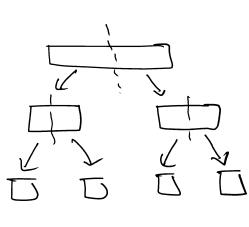
$$=$$
 $\frac{1}{n!}$

Complexity:

S.C: O(n)

T.C: O (mlogn) / Avy. Case

L > Worse Case O(N2)



C++ Sort function -> Intero Sout

O(NJ.g)

Quick Sort

- 1) No Extra Memosy
- 2 Beginners find it hard to understand
- 3 Better understanding of probability.

