Merge Two Sorted Arrays (Day 31)

$$am_{1} - 2 5 9 11 2 m$$
 $am_{2} - 2 4 5 6 8 9 1) - 3 sorbed$

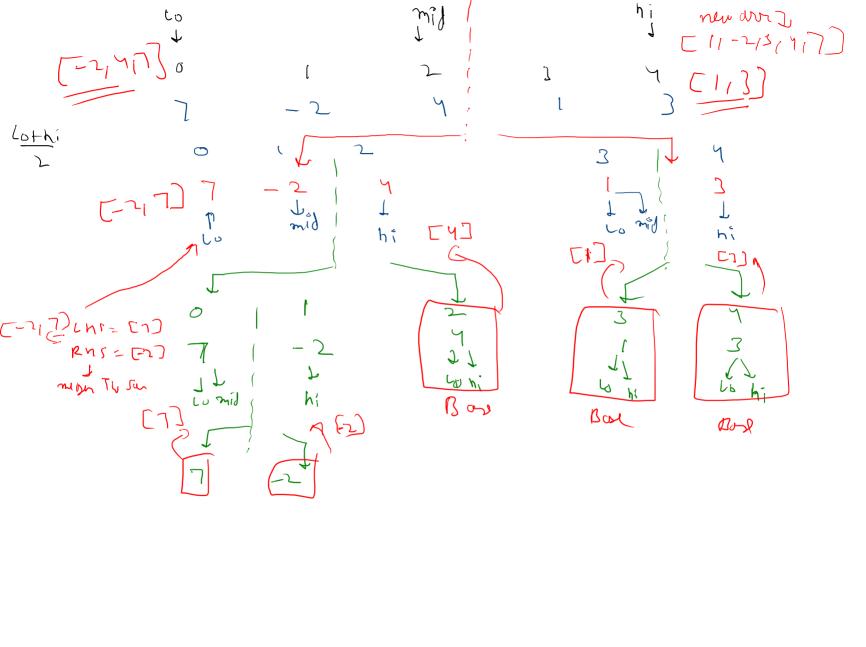
$$T(m) = 0 (m + m) schedul$$

$$anl = -2$$

 $O(n+a) \ni S(n)$

mid idr Merge Sort Algorithm (Day 31) LHS

J my for I wo South orr



$$mid = lo + hi$$

$$\sum_{i=1}^{\infty} h_i = z \cdot mc$$

$$mid = lo + hi - lo$$

$$2 + lo + lo + hi - lo$$

$$2 + lo + lo + hi - lo$$

$$2 + lo + lo + hi - lo$$

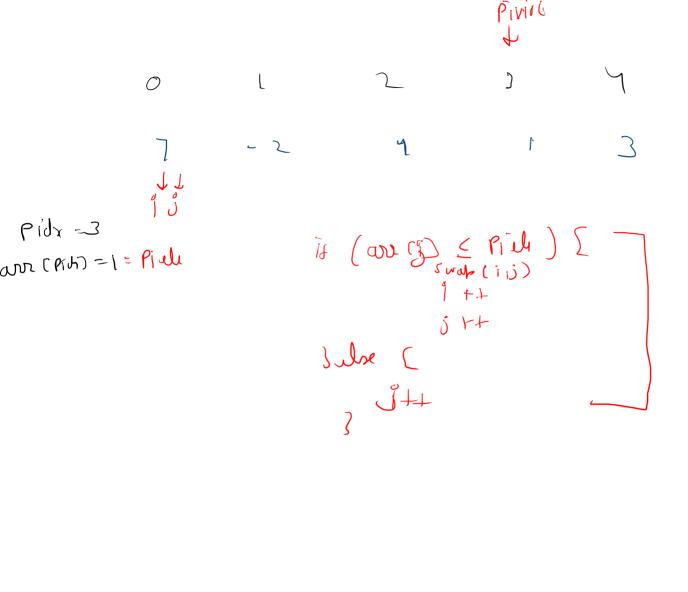
$$2 + lo + lo + hi - lo$$

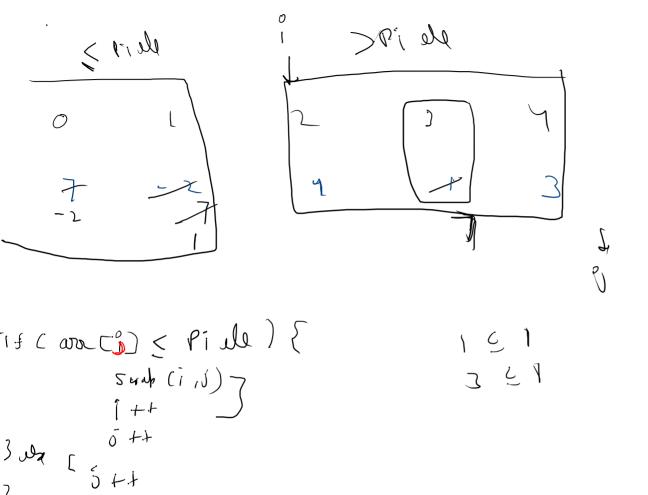
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