12345 Mays Sort-SC - O(n) T(n) = T(n/2) + T(n/2) + n0 (n logn) Band on divide & conquer Z=10vol 80 20 90 3 80 50 90 Swap (pivot, ar [2]), O Chh if ply hue not wass each 90 80 om = Swap (arr[p],arr[q]) 09 RIM. 20 pivot=25

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$$=2T(n/2)+n$$

$$TC=O(nlorn)$$