(5) Quick Sost

1) 9t's a divide and conquer algorithm Like Merge Sort but doesn't divide array into equal halus.

11) Like merge for in merge sost, quiek sost was pastition

iii) World Core: (OCh2)) & Ang Core: (O(DhogN))

iv) In-place & cache friendly.

Let Acc to array space, requires space for recurrion collected.

V) Tail Recurrère.

O. Sort wort Lomubo Rashinon . & Mourse's Pastition

Void gSort (int apprez, int l, int h)

97(164)

Int p z Lpashihon (ars, l,h);

9 Sort (ars, p, p-1); Int seplece p-1
9 Sort (ars, p+1, h); by p.

Rest all algo is same for

algorithm

Morrell

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