Time complexity analysis:

Strip closest func () => O(n)

Two recursive functions=>2T(n/2)

qSort in built function => O(nlogn)

Therefore, T(n) = 2T(n/2) + O(n) + O(nlogn)

=2T(n/2) + O(nlogn)

By master’s theorem for dividing functions,

a=2, b=2, log a base b = 2, k=1, p=1

log a base b = k:

T(n) = O(n(logn)2).

Space complexity:

Strip array takes O(nlogn).