Problem 1-1 (Merge Sort) W (Bonus) - In the majority of the coured, K should be são our it is the one with the least computation time? but for best case (sorted already or nearly sorted) K is best taken as the size of the array or the number of elements of the arrayar of is less than offent and it makes for less computation time as it directly goes to insertion sort become n=kwhere nor O(n) is best case for invertion sort and O(n/gn) is best care for merge sort. (computation times) This happens be cause this merge sort variant goes to insection sort when it reachertcertain value k and ffn=k, it goes straight to insertion sort which har o(n) < 0 (n 1gn) best care time complexing to the complexity which makes for less computation