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| | 99521289 | F7 (200) |
| Subject. | | Date: |
| Quiz D: en sort | last interespondit | dentical mest |
| | לופנותנות או בו בסיים | best ascerbing in the |
| A) insertion sort | -> O(n)times | |
| · • · · · · · · · · · · · · · · · · · · | > O (nbg n) times | |
| | -> O(n log n) times | |
| | -> O(n2) times | |
| | Commended of |) Se with wheel |
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| ~~~~~~~~~~ | J | |
| Quiz 2); | ے بی گنیم. ب می گنیم. | word in worst conse |
| A) Merge Sort O(1 | bgn | |
| B) Bubble Sort > O(| | معقصهوا ي و كسوس |
| c) Quick Sort > 0(1 | ٠,١ | ever al Magn L |
| D) Selection sort) O(| - 1 | Les A Sim |
| | | = ~ |

Quiz 3: The merge sort algorithm splits the array into
two halves and applies the merge sort algorithm to each
half seperately before merging the two sorted halves.

Mercye sort's time complexity is unaffected in any
case since its algorithm must follow the same number of
steps. even in the best case, the time complexity remains
O(n logn)

bescase, average case, worst case = O(n begn)

because in this algorithm we didn't notice the values,
So it doesn't matter what is the order of elements

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