HW2 Guiquan Sun

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the complexity of time
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question 1: O(1) in all functions

question 2: O(1)

question 3: (1) $O(n^2)$ $O(n^2)$ (2) O(n) (3) $O(n^2)$ (4) O(n) (5) $O(n\log n)$

question 4: O(1)

question 5: (1) O(1) (2) O(n) (3) O(n)

question 6: (1) O(n) (2) O(n)

question 7: $O(n^2)$

question 8: O(nlogn)