CSE221

MID

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Sec : 07

Q1

Merge sort

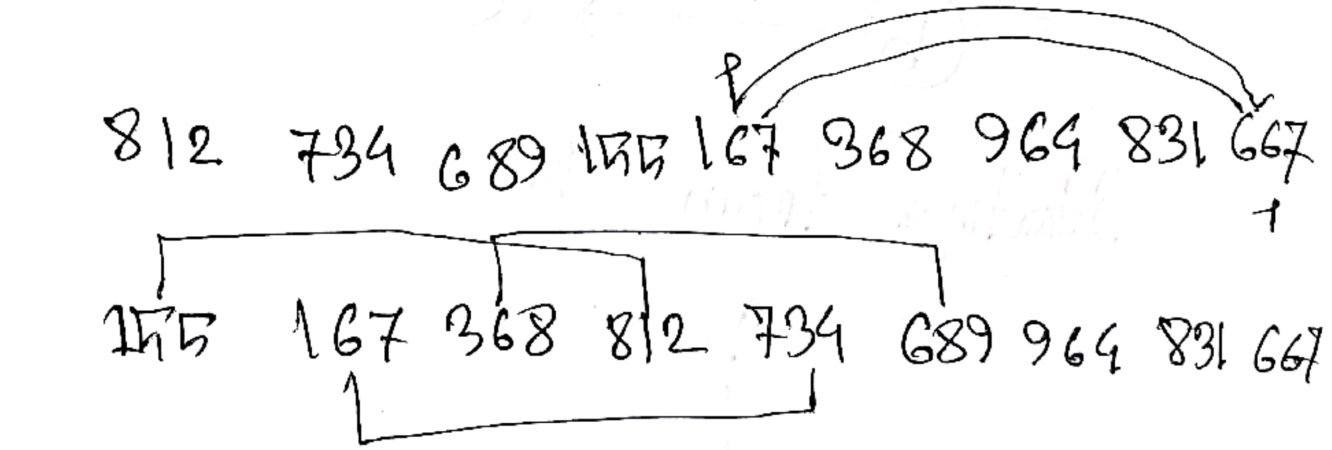
Q2

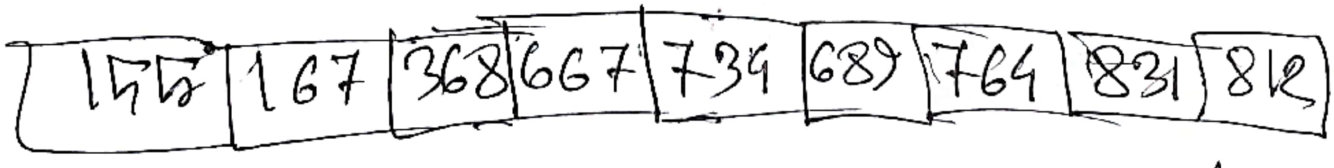
Worst case :- $O(n \log n)$

Q3

mid is → 667

812 734 689 155 667 368 964 831 167





Ans

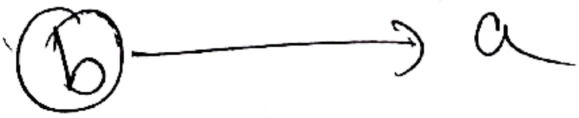
Q6

false true false true

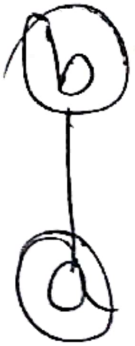
Q4

O(n) because the fun could be ~~a~~ to anywhere sorting does not matter

Q5



Starting from b



Part A

Q3

One tree in the above dfs forest

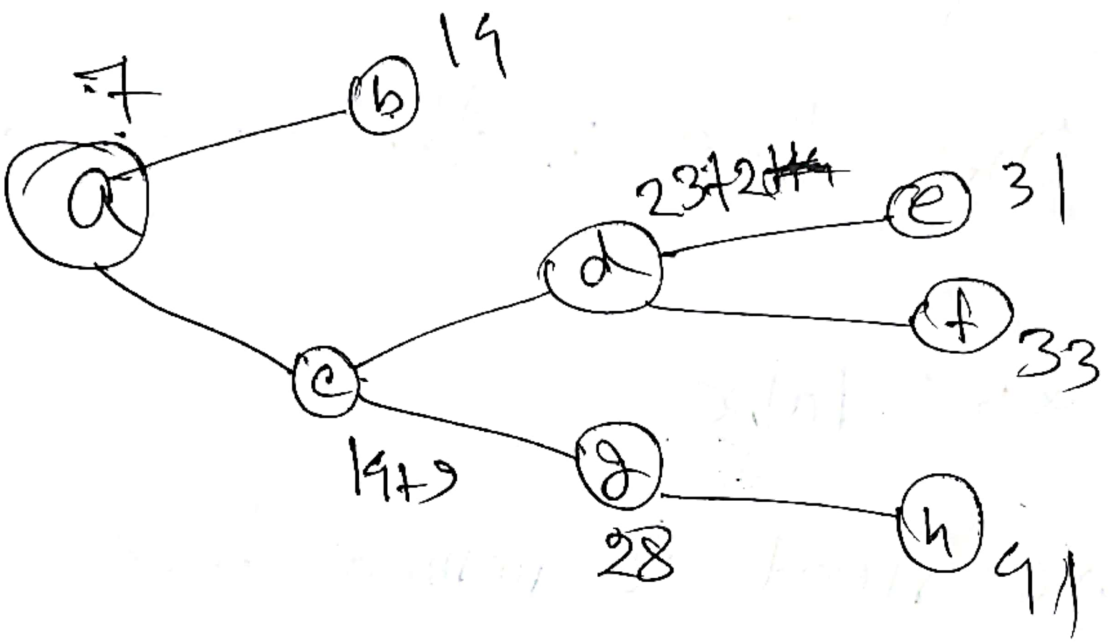
Q3 : False

Ex. We need to remove back edge

to remove cycle

Q4 : True

Q5



Q6

Min $a > b > c > g > h$

$= 7 + 7 + 9 + 3 + 8$

$= 34$