

CS 374 HW 6 Problem 3

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TOTAL POINTS

25 / 100

QUESTION 1

1 3A 5 / 20

- + **20 pts** Correct
- + **18 pts** Minor mistake
- + **0 pts** Incorrect
- + **18 pts** Number of edges is not minimal
- ✓ + **5 pts** IDK

QUESTION 2

2 3B 20 / 80

- + **80 pts** Correct
- + **60 pts** Correct, but time complexity not linear in n
- + **0 pts** Ineligible
- + **5 pts** Incorrect [Making greedy choices]
- + **0 pts** Not using the k-orderly property
- ✓ + **20 pts** IDK
- + **75 pts** minor mistakes
- + **40 pts** correct recursion
- + **20 pts** memoization
- + **20 pts** Running time analysis

IDK

13A 5 / 20

+ 20 pts Correct

+ 18 pts Minor mistake

+ 0 pts Incorrect

+ 18 pts Number of edges is not minimal

✓ + 5 pts IDK

IDK

2 3B 20 / 80

+ 80 pts Correct

+ 60 pts Correct, but time complexity not linear in n

+ 0 pts Ineligible

+ 5 pts Incorrect [Making greedy choices]

+ 0 pts Not using the k -orderly property

✓ + 20 pts **IDK**

+ 75 pts minor mistakes

+ 40 pts correct recursion

+ 20 pts memoization

+ 20 pts Running time analysis