PL UID: 0

Question 1: rt02

Question 1.1: run

Expected: {'key': 'c', 'html': '$\\Theta(n)$'}

f

Question 1: rt02

Question 1.1: run

INCORRECT: 0

Expected: {'key': 'c', 'html': '$\\Theta(n)$'}

b

Question 1: rt02

Question 1.1: run

Expected: {'key': 'e', 'html': '$\\Theta(n^2)$'}

f

Question 1: heap_shorts_array_implementation_mc

Question 1.1: heap_array

INCORRECT: 0

[{'key': 'b', 'html': '\n   Using the heap to sort the array is asymptotically as efficient as using mergeSort.\n   '}, {'key': 'd', 'html': '\n   The heap order property may be violated by swapping the contents of two adjacent locations in ${\\tt arr}$ so that\n   the first is now smaller than the second.\n   '}]

['a', 'c']

Question 2: heap_shorts_build_heap

Question 2.1: arr

[5, 13, 46, 32, 52, 88, 85, 37, 61, 72]

[89, 8, 890, 89, 890, 809, 809, 89, 89, 89]

Question 3: heap_shorts_operations

Question 3.1: heap_manipulation_insert

INCORRECT: 0

Expected: [{'key': 'c', 'html': '21'}, {'key': 'e', 'html': '53'}, {'key': 'g', 'html': '59'}]

f

Question 3.2: heap_manipulation_remove

INCORRECT: 0

Expected: [{'key': 'a', 'html': '16'}, {'key': 'b', 'html': '20'}, {'key': 'd', 'html': '23'}, {'key': 'g', 'html': '59'}]

b

Question 1: disjt_unions

Question 1.1: height

INCORRECT: 0

Expected: 2

890

Question 1.2: unions

INCORRECT: 0

Expected: 12

908

Question 1.3: uptreenum

INCORRECT: 0

Expected: 38186

890

Question 1: edge_bds

Question 1.1: bfs

INCORRECT: 0

Expected: 1351

890

Question 1.2: glb

INCORRECT: 0

Expected: 78

9

Question 1.3: lub

INCORRECT: 0

Expected: 3004

89

Question 1.4: complete

INCORRECT: 0

Expected: {'key': 'a', 'html': 'Yes'}

b

Question 3: unique_disc

Question 3.1: bfs_dfs

[{'key': 'a', 'html': 'G is acyclic.'}, {'key': 'b', 'html': 'G is a tree.'}]

['b', 'c']

Question 4: v3_Graphs_running-time

Question 4.1: answer

INCORRECT: 0

Expected: {'key': 'e', 'html': '$O(1)$'}

d

Question 5: v3_Graphs_traversal

Question 5.1: answer

INCORRECT: 0

Expected: {'key': 'c', 'html': 'back'}

b