

2) (5 pts) ALG (Sorting)

Consider running a Merge Sort on the array shown below. Show the state of the array **right before** the last Merge is performed. (Note: due to the nature of this question, relatively little partial credit will be awarded for incorrect answers.)

index	0	1	2	3	4	5	6	7
value	13	8	9	2	1	17	6	5

Your answer:

index	0	1	2	3	4	5	6	7
value	2	8	9	13	1	5	6	17

Grading: 5 pts for correct answer, 2 pts for sorted pairs (8 13 2 9 1 17 5 6), 2 pts for (2 8 9 13 1 17 6 5), 2 pts for (1 2 8 9 13 17 6 5), 0 pts for all others