How many iterations of MSD will it take to sort the following array? *   2 points

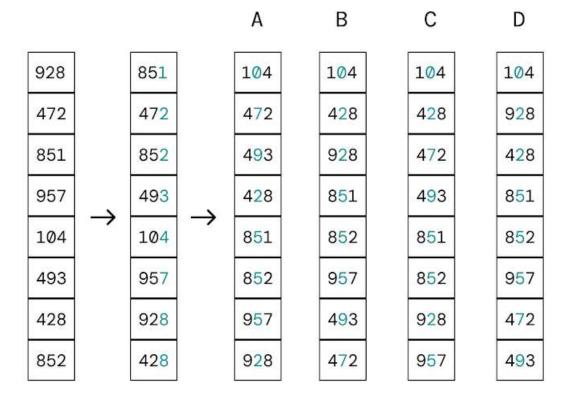| |
|---|
| incomprehensibility |
| microelectrophoretic |
| uncharacteristically |
| histoincompatibility |
| anatomicochirurgical |
| keratoconjunctivitis |
| electrocardiographic |
| abetalipoproteinemia |

○ 1

○ 2

○ 5

○ 20

Which of the following are true of LSD Radix Sort? *
2 points

Select all that apply.

☐ LSD Radix Sort can only be used to sort numerical items

☐ LSD Radix Sort can handle elements of variable length

☐ If the longest item has N digits, LSD Radix Sort is guaranteed to run N iterations of Counting Sort

☐ LSD Radix Sort has a best case runtime of $\Theta(N \log N)$

What will the array below look like after the second iteration of LSD Radix Sort? * 2 points

		A	B	C	D
928	851	104	104	104	104
472	472	472	428	428	928
851	852	493	928	472	428
957	493	428	851	493	851
104	104	851	852	851	852
493	957	852	957	852	957
428	928	957	493	928	472
852	428	928	472	957	493

○ Option A

○ Option B

○ Option C

○ Option D

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