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## You can preview this quiz, but if this were a real attempt, you would be blocked because:

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### Question 1

Not yet answered

Marked out of 1

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Suppose a pipeline is constructed to compute more than one instance of a problem. What is the speed up with 10 instances of the problem and 6 pipe stages compared to executed one instance.

Select one:

- a. 50/14
- b. Infinite
- c. 4
- d. 60/16
- e. None of the other answers

### Question 2

Not yet answered

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The radix sort algorithm uses \_\_\_\_\_.

Select one:

- a. pipeline
- b. mesh topology of processors
- c. The decimal or binary digits of the values.
- d. A histogram of the number of occurrences of the values

### Question 3

Not yet answered

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What is the parallel time complexity of Rank Sort with  $n$  numbers and  $n$  processors?

Select one:

- a.  $O(\log n)$
- b.  $O(n^2)$
- c.  $O(n^3)$
- d.  $O(n)$
- e.  $O(n \log n)$

### Question 4

Not yet answered

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Which pattern fits the Merge Sort sorting algorithm?

Select one:

- a. Divide and conquer
- b. Workpool
- c. Pipeline
- d. Stencil
- e. Scatter/Gather

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