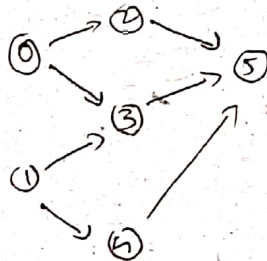


- Q1. Explain divide and conquer technique. Write a recursive algorithm for finding the maximum and minimum element from a list.
- Q2. Apply quick sort to sort the list E, X, A, M, P, L, E in alphabetical order. Draw tree of recursive calls made.

OR

65	70	75	80	85	60	55	50	45
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- Q3. Discuss Strassen's matrix multiplication and derive its time complexity.
- Q4. Explain merge sort Algorithm
- Q5. Apply source removal method to obtain topological sort for the given graph:



- Q6. Write a recursive algorithm for binary search and calculate time complexity.