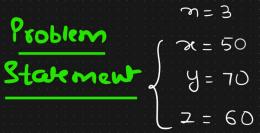
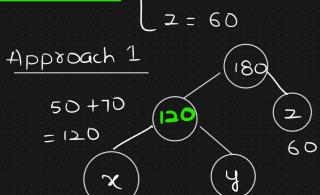
Optimal Merge Pattern



X

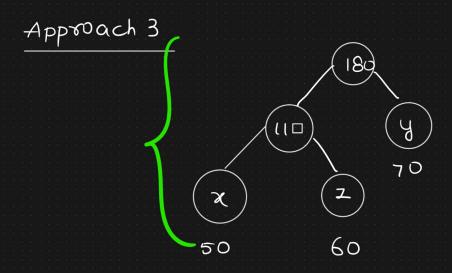
50



Objective: - Minimize the

computational costof merging all the given files.

70



Approach 3

Min. computational coch

Approach - Huffman coding

1) Build heap - O(n)

2) Pop 2 elements — (n-1) 3 log n I addition of those 2 poped elementl invertion in the minheap

Time complexity = O (nlogn)