Example PDF merge Sort · plerequisites: recursion + divide

and conquer · auxilary space requirements: (Xn)
lecause of auxilary left and right

Lubarrays

. . . . Fine Complexity analysis $T(n) = 2T(n/2) + \Theta(n)$ O(nlogn) Code in Perthon MerceSort(arr): if len (arr) >1: # create left and right subarrays mid=len(arr)//2 lest = arr Limid