Algor, thm Jacon Than Mergelost (mall (P) its - law it only one 000 A Mergeson (lovo, m) 3,0 Merge (low m LOW + Cigh ([@ W] 3 ; Caro element to soal Rosted to be 200 ted

Algorithm Merge (low, mid, high rac low: high) temporary array.

\[i = low: j = mid + 1: K = low \] while ((i < mid) and (j < high)) (ali] < alj) then. b[k] = a[i]; else b[k] = a[j]; K= K+1; i > mid) then else por i=low to high a [i] = b[i]

(5) 1 名丁(5/2) 十00 رس) ء = 2+T(n/22) = & (2T(n/4) + cn/2) + cr (Opolago) 2 (2 T (n/3) + Cn/22 23 T (n/28) + 3 Cn Complexity 500 CD + DD 1095 7/1/22 27 (n/2) + CD 123) + KCD 4200 X (on tan) PAGE 25