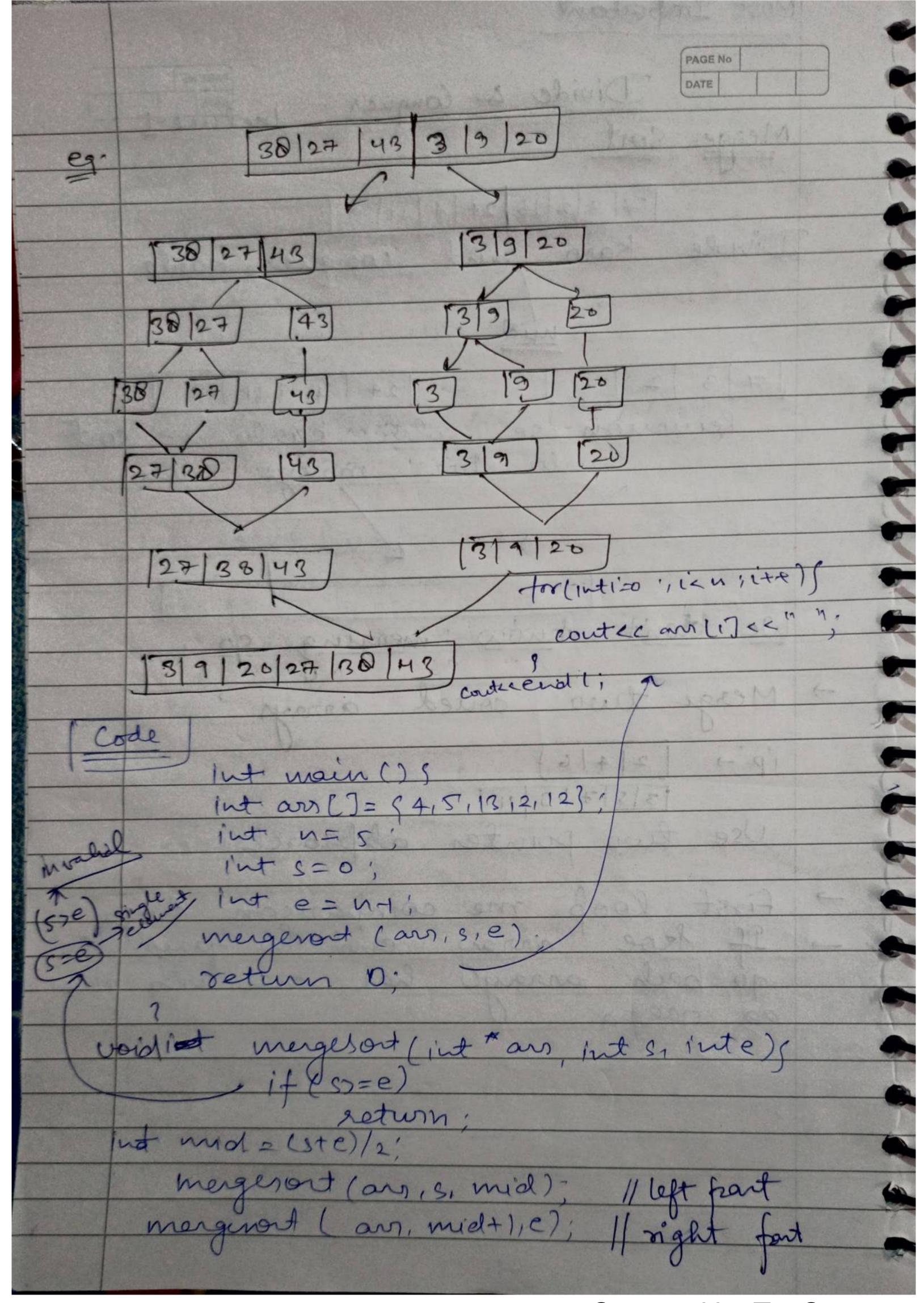
Most Important Divide & Conquer Merge Sort 7 3 2 16 2+ 4 11 9 Divide karo fand conquer karlo Recursion se solve karlo ie sont karlo the morge karlo We blon't know merging co. Use two pointer approach comparison



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Land File Of State PAGE No merge (ans, s,e); uoid merge (int ans, ints, inte) unt mid = (s+e)/2; int lent = mid-s+1; int lene = e-mid; int ent * night = new jut [len]; Hopy values. unt k=s; (-not) for (int i=0; i < (en); i++) s left[i] = arr[k]; k=mid+1; for (int i=0; 15 lenz; i++) [right[i] = arr[k]; NELLANDEN CE left Inden = 0 1 nt right Inden = 0. main Array Inder=5. while (left Indea < len) 89 right Indea < len2) if (leftleft Inden) sight (night Inden) (ansmantragluden]= leftsleft Proleri]. heftendertof;

Inversion Count ars[mainAssay Inden] = right[right Inden]; main Array Ilden ++; right Inden ++; 1 1 2 Diw L while (left Index < len1) ars [main Array Inden] = left[left Inden] main Array Listen ++; left Inded ++; while (night Inden (len2) ars [main Array Inden] = orght [roight Inden] mainarray Inden ++; A + Break kano - Remision, se alag se function hoge ine complenity = n (logn)

