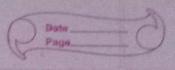
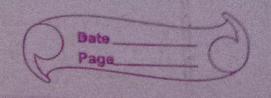
4 Metge Soft

- · It is widers used solting techniques which uses divide & conquet mechanism
- · It was first sorting agolithm used on a compandant developed by John von Neamann.
- In this type of methods the Problems which can be broken into smaller Problems, solve the small problems and then merge them to get the final answer.
- · In this type of techniques, our large list is broken down into smaller lists and the after merge together.
- · It is the process of combining two or more sorted array.
- · Devide the array into approximately me sub-arrays of size two and set the element in each array merging each sub-array will get another softed sub-array size four.
- · Repeat this process until there is only one array remaining of size n.



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	5 2 3 4 8 7 6
	A PART AND
	12   3   5   6   7   8   9
	Conserver Port
	235678
	SCIDE > SENTENCIONE SE DIMENZE PORS < EGI ) 2
	att -> attab -> Mariana
	SI -> Starting index
	ei -> end index
	mid -> middle element
	ALMERICA REHAVIAGORNEM SIGN
	explain
1	devide franction
4	int divide ( int art ] int si, int ei) &
THAT	TIF (SI) ZEID & NOTH OF THE SIGN OF THE SI
	retain; Wif starting is bigget then
	end index is then tetath
	devide that the spires
	int mid= 81+(c1-51)/2;
	devide Cartasieis);
	devide (att. midt1, ei);
	Congretor Cartisismid eD;

devide function use to make particion and devide into a single element attay. congrupph ruse to merge array in sorted. Congrupt franction Int Conserver Cint art[], int SI, Int, and, Int el) & In+ metcd[] = new in+[ei-si+1]; 12+ idx1 = Si 3 int ldx2= mid +1; 1n+ X=0; 11 this franction merge in to one array While Cidx 1 <= mid 88 mid 48 < = ei ) 5 IF COLLIAND => [[XXI] 410) 71 merged[X++] = OHT[dX++]; and a complete the same of the CISE & COMMENT OF THE merged[X++] = arr[idx2+1]: MEDICE ON BUT I shift one after is some in sorted after and second athors have a element then this while condition PHINT FRUI OFFICE 3 Chim=> IXDID SIIM THEXPITATE CHXI balliam



MPINGCIAXS <= GD 2 MPINGCIAXS <= GD 2

FOT i=0, j=si ; i<merged. length, it i+1) &

atteil = metgedeil;

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