T.E : Time Pfficiency Brute force - Compates distances for all nCn-1)/2 Keep +nc Hignest factor - Bruse force runs in tim (cn2) = TCn) Pivice and Conquer -sort halves - solve for each huit - merge together T (n) = I(2)+7(3)+0(n) T(n) = 2T(1/2) + on)

[Ta)= 0 (n logn)

Space Efficiency Brute force det BF A i=0 A C Values B Val=[] 10 3-1+1 nE d= = . n.n F A+B+C+D+nE+n'F Increases Divide confuer Jef Rec A Ciny ina) B PI C QI E Or F while nG Be QI AH Pr nI ar ns

While CKC=nam) n=K