Steph: Min - Range (Four town) { Ly Construct_Matrix [k][n] Construct - Matrix ([+][u], Louse - Positions) A for (i= 0 to K) { for (j=0 to n) { if (i >= j) { range - Matrix - add [i][i] Gf)4 Left Tricy(# 10 Base Case Base Stations > House Sare Case else if (1-08 570) { Tange Mahm [i][j]= 05-00} + 1 Base Station and N houses Compute Renge 18/w House n & house O. Front into matricx else if (ici) 3 kalora Marix Eifeit mintage = Only Rage Frider C max(R1, du-dz) cell isi, go wo to about 1-1 Matrix Ci-17 20 --- il atta find men current rage and range of placing I Base Steph position. Then take minimum of tups O(F). O(N). O(N) = O(KN3) Base State House Min-Penge

