PD2-areus: 200X3 200: residual areus. x, y coordinator & # of residers Pb2-cheltas. 40 x3. 40. potential shebtor locustions. X, y coordinator & acquity. Assume all the residents from the same residual area are assigned to the same Shebter. Xj=1 if shelter j is built. cul o other use. Hij=1 if i assigned toj. God Win total distance cecross all residents DIVIIN the largest distance required by any residents

Deersion Vancuales. Given $\dot{z} = 1, \dots, n$ $n \in \mathcal{E}_1, \sum_{n \in \mathcal{I}}$ coordinated J=1...m.meZ1,40] clij: clistave between two points Riz: # of Resident in oveni : Cerpainty of site is built if j is built otheruse if i assignd other wise.

function. - XXXIII Elihan both kj&Y; j=1, than Count this distance) YY W

AS: Every thing should same erce maximum distance W

 $md > dij \cdot dij + i = (... m.)$