tw 6. Yith He 190003956 Problem 1. With no loss of generality, Uili 7, Vila 7, ... 7, Vily Lagrangian: L(x,u)= 2 G(x)2+u(1-2a; x) = 2 (C)(Xi)2 - Mai Xi)+M. minimizing X8 E[O.Mi]  $\chi_{j} = \begin{cases}
 \frac{110i}{20i}, & 0 \leq \frac{110i}{20j} \leq 11i \\
 \frac{110i}{20j}, & 0 \leq \frac{110i}{20j} \leq 11i \\
 \frac{110i}{20j}, & 0 \leq \frac{110i}{20j} \leq 11i$   $0, & 1 \leq 0$ U70, there exist k that xj= uai tor j=1,..., k and xj witor j=k+1,...,n 型的二型是好十里的二1. - 7 - 1- 2 - 2 - Qj thus. Mach 7, 1-2 Min 7, Meti Cht, april 7, Meti Cht, Obt 1 when we fix the value of k. We can calculate u and x. according to. k. find be that minimize ZGXj2= = GG ( vas ) 2 + ZG G · Mi)