Love hary - margineld method Starting from an instal point, Repeat to Ly Appr the bestian Marin: H(0) = J(0) J(0) - JIA LETO to compute descent direction by solvin [3(0x)]5(0x)+)[[n]dk=-3(0)=[0x) 6, Upolat Ae part 8 4 7 0 4 X dx Craldensein Vall he stopping conditions are soursaid Remark: by if p=0; we get the garss-rendon method to if you gradient method (dynamic adjustment) > There are outon the maps to determine book is madified each meration, starting wery large Convin and name towards O (garss = neuton) near the solution where the residual becomes small Optimaly Cenderons consider the problemy equally constrains only mm J(0) st 9; (0) = 0, 1 = 1...p Reduce the lagarban duchon [(0,N) = 3(0) - X3(0) GeR XER L(0) \ , 5(0) + & \ 2.(0) where & is the vector of Lagrange mytholies The ophnesis conditions are given by the lagary of un Swetter. Le optimal solution monninges this function If ot is a local fugible non misers 3 / epn, DL (0", 1") = 0 Since we have haved a constrained problem no an meanstanced problem where we wanto mark 1/6 remother: 75(0) + E K, 79:(0) = 0 , 5.1. 9(0) = 0

consider the parely megent on stant 10 30 3 1 h (0 40, 1, --, m The the Common distriction of the Control of the Co Les to a local feasible number of the state Nere Die Orme are norma away from the opposite ships we know that I come are norma away from the opposite ships The Color of the Orme of the service set the color of the co 5/7=0, 05=0 Gh=0, U70 2 - XY + 5 Y 2 - 10 4,99 22 4 + 20 - 10 = 10 24 4 - 2 + 5 - 10 = -3 24 2(x-y-y) = 0 - x + y ± 8 = 10 (4, x) = 2(-1, x) 040-30