Xet bas toan min 2c - 4x2 + x3 Bail. Ein nghian må bai tran tien die vas dien Bai 2. Si' dung tien lien KKT te tim nghiem auch
cal bai toan sau

(1) nim $3x_1^2 + x_2^2$ s.t. x_- x2+8 <0 227,0 (ii) 8.t. $3x_1^2 + x_2^2 + x_1 + x_2 + 0.1 \leq 0$ min $2x + x_2$ 5.+. $4x^2 + x_2^2 - 2 \le 0$ (111) 4x+x,+3 ≤ (iv)

Bai & Cho bai toan min $-2x^2 + 2x^2 + 4x$ St. $x_1^2 + x_2^2 - 4 \le 0$ a) CMR. Bai toan then cónghiein toi viu b) Tim tot cà cac trein KKT cuá bai toan c) Tim nghiêm toi viu toan cue cuá bai toan Bai 4: Giai bai toan sau bang phelong phap nhan til lagrange min x2 + 2 x2 + 4 x x2 St. x+x=1 x x 7,0 Cho bai tran Bois; max x2 + 2x x2 + 2x2 - 3x + x2 a) Bai tran-hen có les lehong?
b) Tim tat ca coc trein KKT cuá bai tran
c) Tim nghiêm têr wu cuá bai tran Bai 6: Xet bai toan min -x, x, x, Sit. x + 3x2 + 6x3 (4) X 12 12 70 a) Viet dien lien KKT cho boi tran Tun nghiêm toi vie cua bai toan