Gradient Doscent Solution 0=(xxx)-1xty. $D = \{ (x, y, y) \dots (x, y, y) \}$ $(1) = \begin{cases} x'' \\ x'' \end{cases}$ $-\left(0, \frac{1}{2}, \frac{1}$ (O, 0, y=0,7,+0,7,+0d2d ax?+6x+c=0=>2x2-3x+4=0 -b + Vb-Gae closed for Mr. + bx2+ cn+d=0 x=!

no dod for solution for the

$$L = f(0,0) = \frac{1}{2} (20,-2)^{2} + (0,-3)^{2}$$

$$\nabla_{0} L = \int_{0}^{3L} \int_{0}^{2} = \begin{bmatrix} 0 & -3 \\ 2(20,-7) \end{bmatrix} + \begin{bmatrix} 0 & -3 \\ 2(20,-7) \end{bmatrix}$$

$$\min L : 0 * = \begin{bmatrix} 3 \\ 1 \end{bmatrix} L(0 *) = 0$$

$$0 : = 0 : -3 \times \nabla_{0} L(0 : -1)$$

$$0 : = \begin{bmatrix} 1 \\ 2 \end{bmatrix} : L = 4 : \nabla_{0}(0) L = \begin{bmatrix} -2 \\ 4 \end{bmatrix}$$

$$2L : -2 : 0 + E \Rightarrow L + E \cdot \partial L = 0.1$$

$$0 : = \begin{bmatrix} 1 \\ 2 \end{bmatrix} - 0 \cdot 1 \times \begin{bmatrix} -2 \\ 4 \end{bmatrix} = \begin{bmatrix} 1 \cdot 2 \\ 1 \cdot 6 \end{bmatrix}$$

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