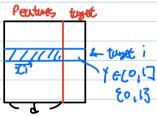


Chain Rule

$$\sin^2 + \cos^2 = 4$$
 = 2. Sint · Cost

Coasier Partial dejuctive

$$f(u,y) = 1^2 - xy + 3y^2 \qquad d8 = \begin{bmatrix} \frac{ds}{dx}, \frac{ds}{dy} \end{bmatrix}$$
$$= \begin{bmatrix} 8x + 6y \end{bmatrix}$$



$$\overrightarrow{\gamma} = C \gamma_i, \gamma_i, \gamma_i, \gamma_i, \gamma_i \qquad \overrightarrow{\gamma} = X \cdot \Theta$$

$$\chi = \begin{bmatrix} \chi_i \\ \chi_{ii} \end{bmatrix}$$
 The Row 7 column Not considered, \rightarrow no consuma

$$\| x_0 - y \|^2$$
 $\| x_0 \|^2 = Z x_0^2 = x^T \cdot x$

Har can be minimize this value?