Letue 2 3 3 1 13 1 - majeinte congelie 5 3 if two detarets have nexton 6 6 6 X = { \*1 , ×n } , Y = E Y , I , Y , Y find linear combination 2 3 3 that mareinizer their correlation C Centered data 9 0 3 XERM YERM English WERM, Wy ERM aljective: argmase (WXX) Wy 9 Conditions / Contraint 5 9 1 = w = Cynn - 22 (w ( x v -1) - 2 [ (w ( y v y -1)) 5 Partial Reserviting; 9 3333  $\frac{\partial \times^{T} q}{\partial \times} = \frac{\partial q^{T} \times zq^{T}}{\partial \times}$ = Cyx Wx - B Cyy Wy 2 2 2 w Cxyry = X Cxw (-w) w Cyry = xw Cxwx w. Cywy = B Cyyny Cax Wx = 13 Can way lount 2

