= Ex \ Xn Xn - 2xn (2nWT) + 2nWT (2nWT) + }; Xn ∈ R1xP = Ex {xn xn - 2 xn ww Txn + xn w w Tww xn }; w Tw = 1 = Ex {xn xn - 2xn ww Txn + Xnww Txn } = E { XnXnT - XnwwTXnT} min $\varepsilon \times \{ \| \times_n - \hat{\chi}_n \|_2^2 \} = \min_{n \in \mathbb{N}} - \varepsilon_n \{ \times_n \cup \cup_{n \in \mathbb{N}} \}$ restriction 4 S.t. wTw=1

restriction 4 Zn = Xn W
Zn E IR. nin - Ex (2, 2, T) = - Ex (2, TZ) = - Ex fwrxn Xnw) = - wre { xn xn }w; Ex { xn xn} Zn = Xnw. 2(ω,λ) = ωτ ξxw - λ (ωτω-1), dt = 2 Σxw-2 λωτω=0 E xw = /w >e:4 WTEXW = XWTW = X E { w x x x w } = E { 2, 7 2, 3 = }