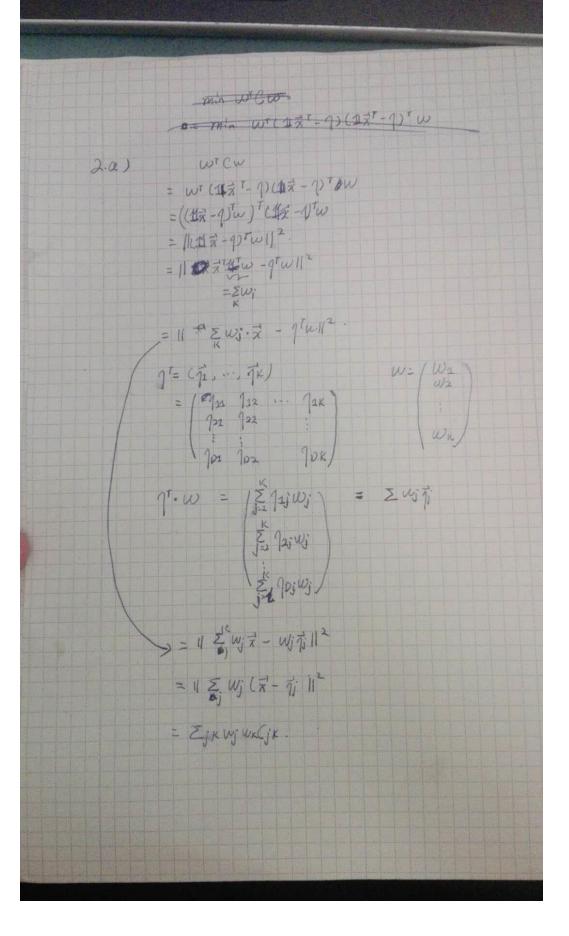


1.6) for xi' = 1. xi EIW) = E: 10 x1 - E W1 x1 13 を(W) = Z:1天 - を Wij ズ12 = Z: (xi'- ZW; xi') (xi'- ZW; xi') = Zi (xi - zwijxj) aru(xi - zwijxj) = Z; LX: - & Wij xij) *(xi - Z Wij xij) = E(W) =) the votation would change the minimum of =) because the offer notation worth change the inner structual of the dateset. So it nont change the optimal weight that lead to minimum of &



2.b) 3 (w. 2) = w(cw -21(w/3-1) 1 22 (w, 1) = 2(w - 2/14 = 0 =) (w = 14 7 28 (w, 1) = w/4 - 2 = 0 Cm = 1# => #1 C-2 Cm = #C-3/4 => 1 = #1 C-3/4 = #1 C-3/11 20) solving the equation Cu = 11 after rescaling w'= with = 40-14