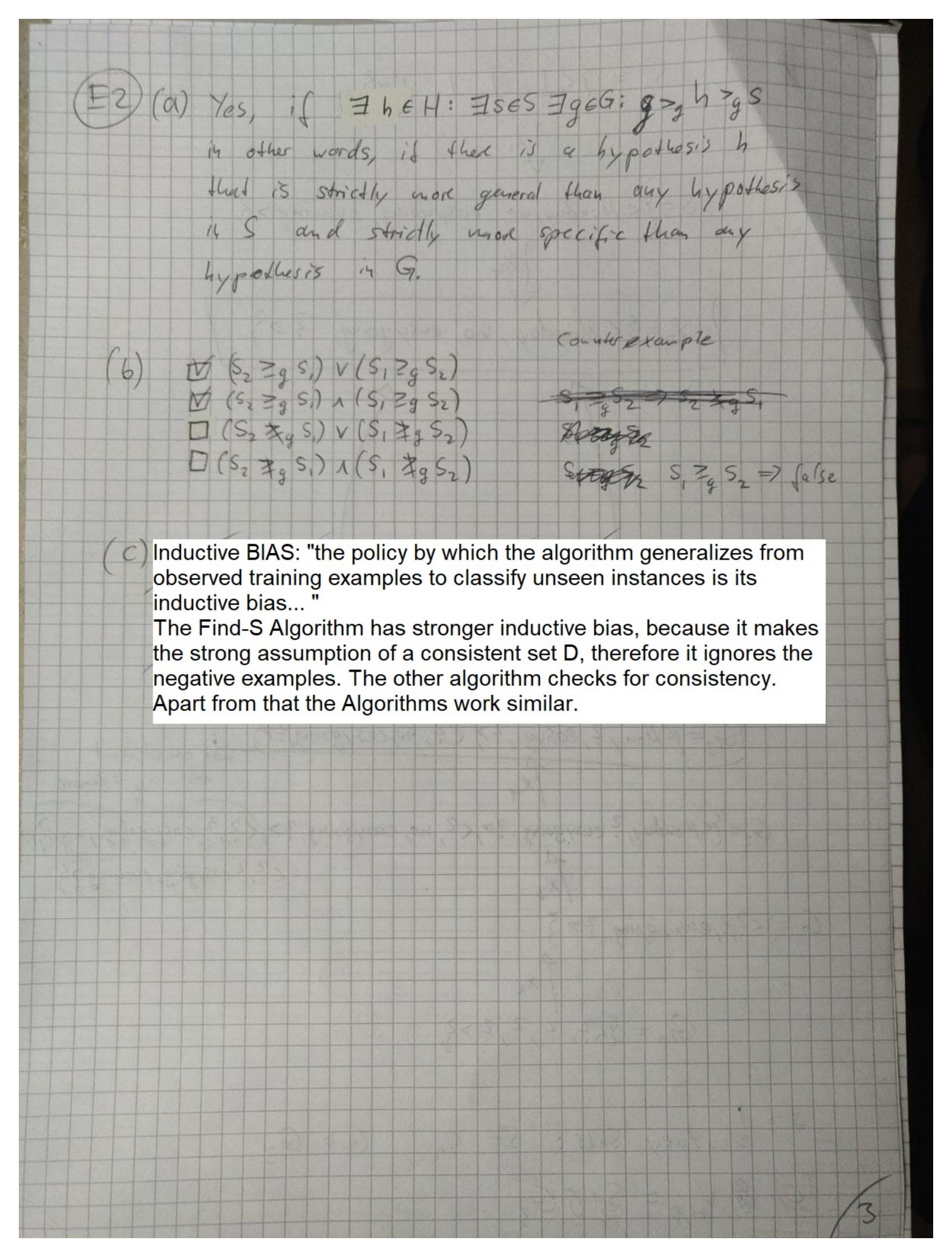
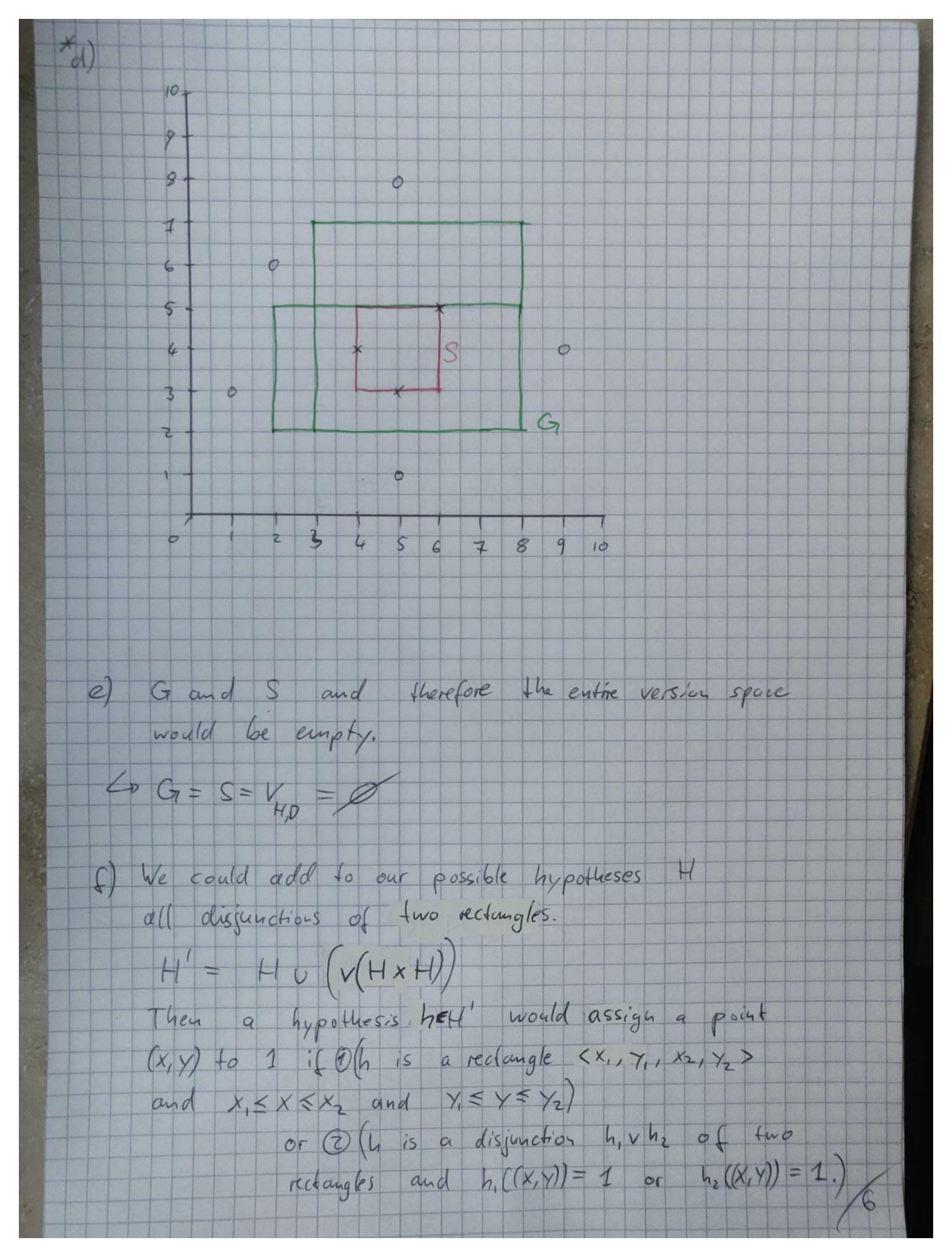
Madrine Learning Exercise Sheet Lab Group L33 h(x)= <1> example 1 h(x)= < Monday, no, easygoing, evening> example 2 h(x) = (Monday, no, easygoing, evening) 1 example 3 h(x) = (Monday, no, easy going, enthing) example 4 h(x) = < Monday, no, easygoing, ?> = return value

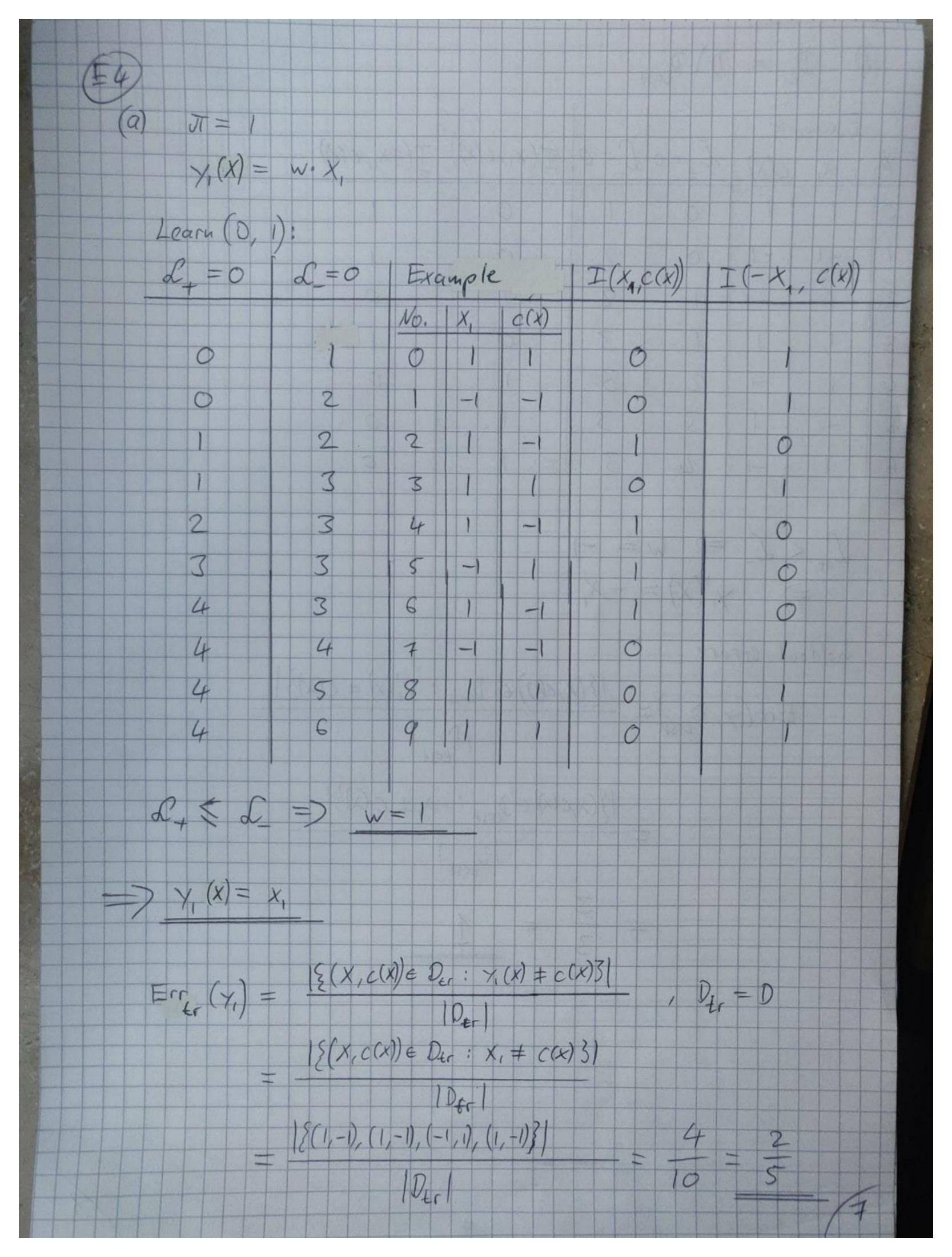
S= 3 < Monday, no, easy going, evening > 3 52= EL Monday, no, easygoing, 3> G13= 3 (Mon., 2, easyg., 27, (2, no, easygoing 273) G_ = {< Monday, ? easygoing, ?>, < ?, no, easygoing, ?>, < ?, easygo, evening> G= 9<27, easy going, 27 Go = {22, 7, 7, 2>3

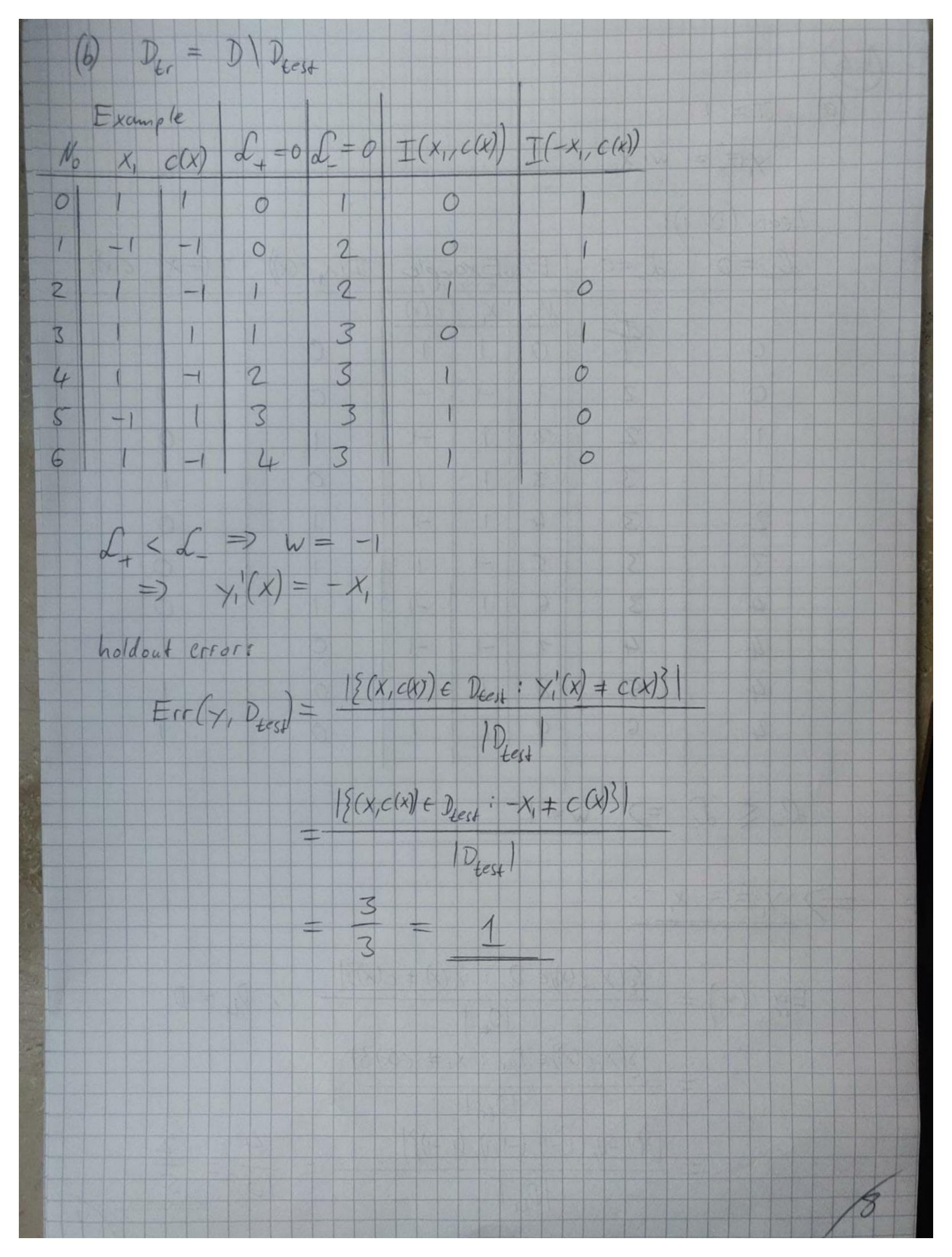


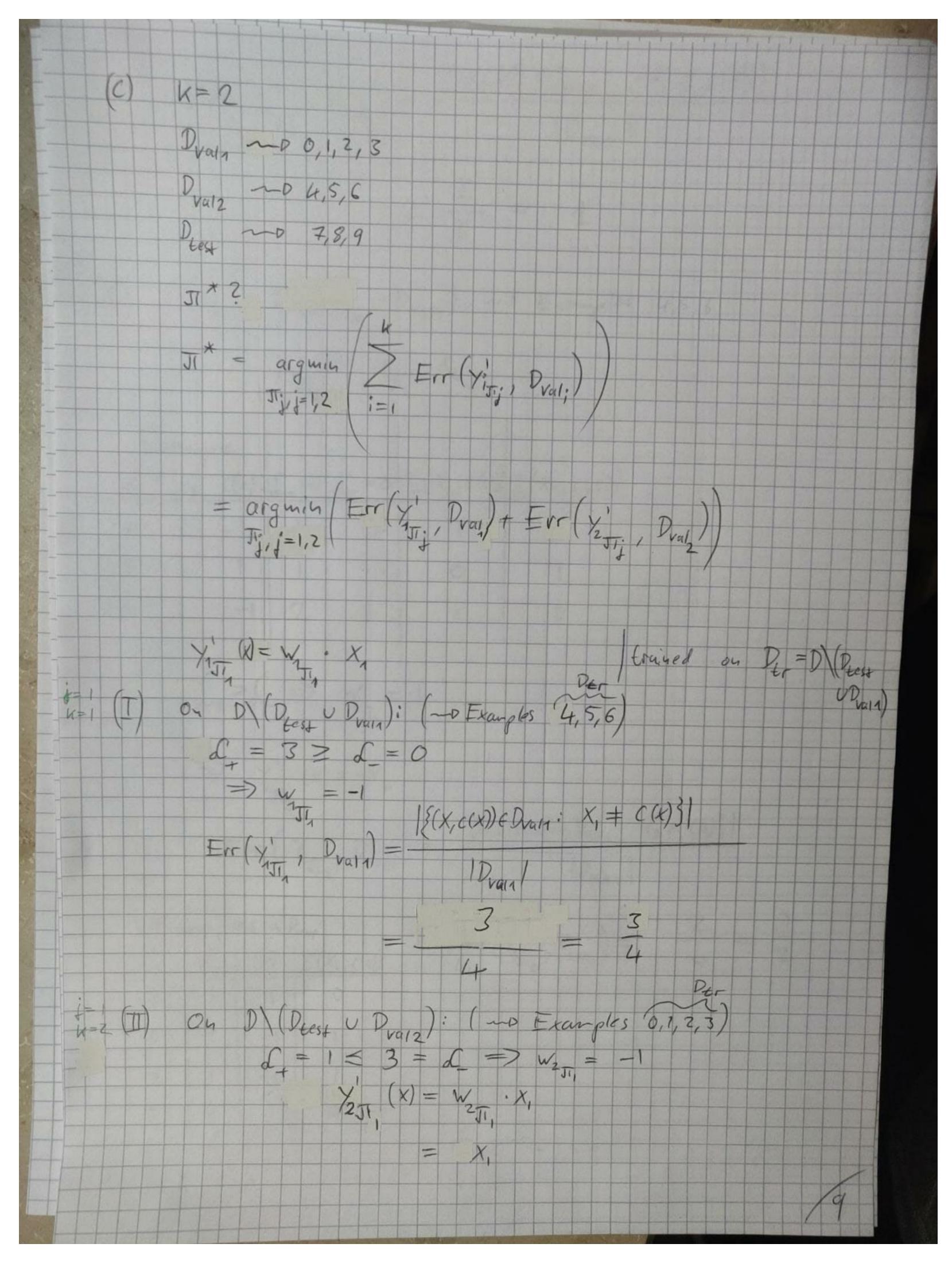
(a) <1,1,10,10> = go (b) $h := \langle x_1, y_1, x_2, y_2 \rangle \geq_g \langle x_1, y_1, x_2, y_2 \rangle$ $iff h((x_1, y_1)) = h((x_2, y_2)) = 1$ <1,2,3,4> =q <1,1,4,4> <2,3,6,7> Zg <3,4,5,7> <1,1,2,8> = <1,1,3,3> <3,3,9,97 =g<1,1,1,1> (c) h, = <2,3,5,67 h2 = <3,3, 5,77 (d) see next 2 Pages.

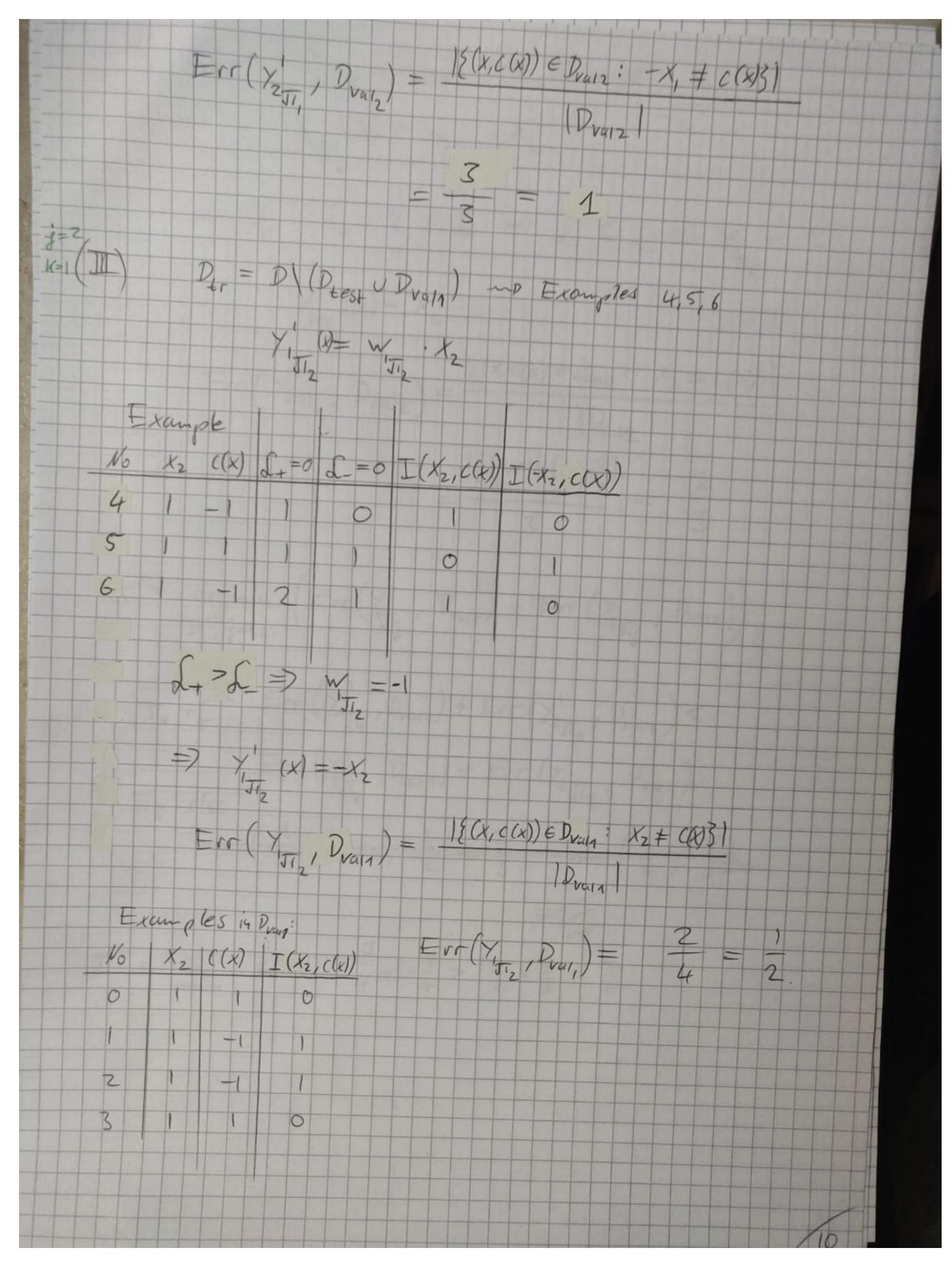
So = 8<1>3 X = (5,3) 5,= { < 5,3,6,47, 64,2,5,37, < 5,2,6,37,64,3,5,475 1 X5=(4,4) 5= {<4,3,5,4>3 1x7=(6,5) 5= 9<4,3,6,5 >] => G= G1 ; S= Sz. Chard on next page. G= { < 2,2,8,5 >, < 3,2,8,7 > } G1= {<2,2,8,7>} G3=9(2,1,8,7>3 (5,1) $G_{12} = \{ \langle 2, 1, 8, 10 \rangle \}$ G,= {<1,1,8,10>} Go= {< 1, 1, 10, 10 > }

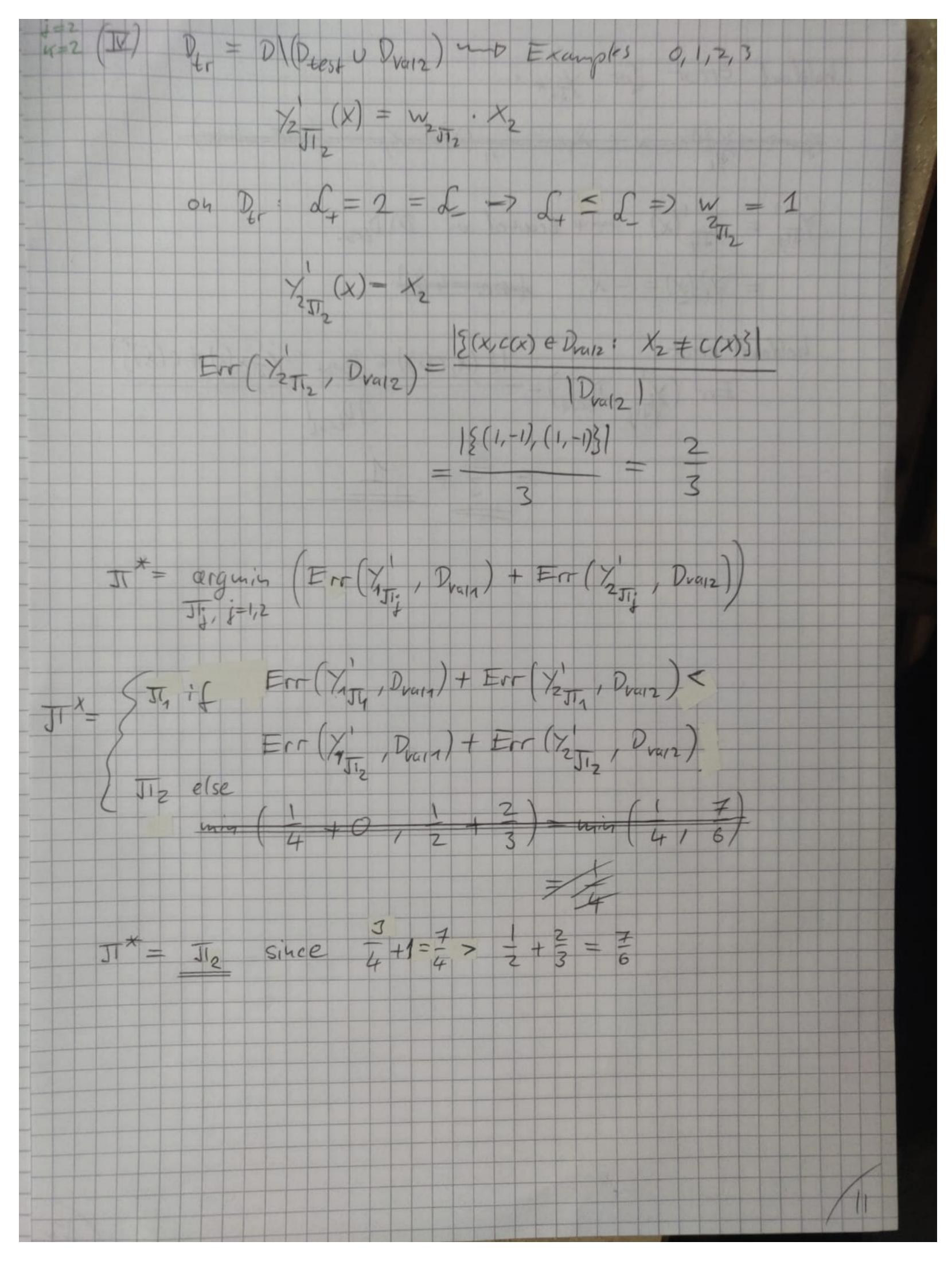












holdout error for YTT* /JIX = /JI(X) mo trained on DIDtest holdout error: 18 (x, c(x)) & DEEST : -x2 # c(x)} Err (Y Deest) = Dtest