12/11/21 Friday (I) Simplify the Boolean function F(W,2,3,3) = Z(1,3,7,11,15)50 WX 00 011110 0001-0011-3 00 0111-7 1011-4 1111-15 1 F(W,X,y,3) = w'x'8 + 43 Rongh W 12 1 W1213 (1,2), (1,3)Crowb 1 (1,3), (2,3), (3,3), (4,3)Cramp 2 Xxxx --- 74x Vorification /w/x/3+43 Sofrinteens W/x/(7+4)-x/ + (W+W))33 メーレマス 12lx+X いははな ナルスはよるナ いなるナルなる メ・(タャン) Wxyz +W1x1y13 + W(x+x1) yz + W(x+x1) yz Wxyztwx'>3 tw'>c>> + 450 73 W1x1y3+ W1x1y3+ Wxy3+ wx1 y3+ w1xyx $\frac{0011 + 0001}{\sqrt{3}} + \frac{1111}{\sqrt{3}} + \frac{10117}{\sqrt{15}}$ $\leq (1,3,7,11,15)$ Simply F (W, 2, 1, 8)= = (0,1,2,8,10,11,14,15)

(20), 2,3,3)= = (0,1,2,8,10,11,4,15)6000 1010 0000 Piwk) wy Green -) x/3 いとは十分なり大学 [[w, x, y, 3] = 20, 21, 22, 23, 25 7 3 2 1 (3) Simplify F(W, x, 3, 3) = Z(0, 1, 4, 5, 8, 9, 12, 13)1100 (001 [(W, X, Y, 3) = y Rough (1,1)

Rough (1,1), (1,4), (4,1), (4,4)
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 $(111) \rightarrow (1147, (411))$ $(114) \rightarrow (111), (414)$ $(411) \rightarrow (111), (414)$ $(414) \rightarrow (114), (411)$