Parametric Table of Secret-Revealing Attack on the Function *fh(X,Y)*

wt(X) = 0   wt(Y) = 0

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y0 y1 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd xe xf
y8 y9 ya yb yc yd ye yf   Y″

x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb x4⊕xc x5⊕xd x6⊕xe x7⊕xf
y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb y4⊕yc y5⊕yd y6⊕ye y7⊕yf   Z

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wt(X) = 0   wt(Y) = 1

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yf y0 y1 y2 y3 y4 y5 y6   X″

ye x8 x9 xa xb xc xd xe
xf y7 y8 y9 ya yb yc yd   Y″

x0⊕ye x1⊕x8 x2⊕x9 x3⊕xa x4⊕xb x5⊕xc x6⊕xd x7⊕xe
yf⊕xf y0⊕y7 y1⊕y8 y2⊕y9 y3⊕ya y4⊕yb y5⊕yc y6⊕yd   Z

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wt(X) = 0   wt(Y) = 2

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x0 x1 x2 x3 x4 x5 x6 x7
ye yf y0 y1 y2 y3 y4 y5   X″

yc yd x8 x9 xa xb xc xd
xe xf y6 y7 y8 y9 ya yb   Y″

x0⊕yc x1⊕yd x2⊕x8 x3⊕x9 x4⊕xa x5⊕xb x6⊕xc x7⊕xd
ye⊕xe yf⊕xf y0⊕y6 y1⊕y7 y2⊕y8 y3⊕y9 y4⊕ya y5⊕yb   Z

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wt(X) = 0   wt(Y) = 3

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yd ye yf y0 y1 y2 y3 y4   X″

ya yb yc x8 x9 xa xb xc
xd xe xf y5 y6 y7 y8 y9   Y″

x0⊕ya x1⊕yb x2⊕yc x3⊕x8 x4⊕x9 x5⊕xa x6⊕xb x7⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕y5 y1⊕y6 y2⊕y7 y3⊕y8 y4⊕y9   Z

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wt(X) = 0   wt(Y) = 4

x0 x1 x2 x3 x4 x5 x6 x7   X1

x8 x9 xa xb xc xd xe xf   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yc yd ye yf y0 y1 y2 y3   X″

y8 y9 ya yb x8 x9 xa xb
xc xd xe xf y4 y5 y6 y7   Y″

x0⊕y8 x1⊕y9 x2⊕ya x3⊕yb x4⊕x8 x5⊕x9 x6⊕xa x7⊕xb
yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y4 y1⊕y5 y2⊕y6 y3⊕y7   Z

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wt(X) = 0   wt(Y) = 5

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yb yc yd ye yf y0 y1 y2   X″

y6 y7 y8 y9 ya x8 x9 xa
xb xc xd xe xf y3 y4 y5   Y″

x0⊕y6 x1⊕y7 x2⊕y8 x3⊕y9 x4⊕ya x5⊕x8 x6⊕x9 x7⊕xa
yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y3 y1⊕y4 y2⊕y5   Z

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wt(X) = 0   wt(Y) = 6

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

ya yb yc yd ye yf y0 y1   Y1

y2 y3 y4 y5 y6 y7 y8 y9   Y2

x0 x1 x2 x3 x4 x5 x6 x7
ya yb yc yd ye yf y0 y1   X″

y4 y5 y6 y7 y8 y9 x8 x9
xa xb xc xd xe xf y2 y3   Y″

x0⊕y4 x1⊕y5 x2⊕y6 x3⊕y7 x4⊕y8 x5⊕y9 x6⊕x8 x7⊕x9
ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y2 y1⊕y3   Z

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wt(X) = 0   wt(Y) = 7

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y9 ya yb yc yd ye yf y0   X″

y2 y3 y4 y5 y6 y7 y8 x8
x9 xa xb xc xd xe xf y1   Y″

x0⊕y2 x1⊕y3 x2⊕y4 x3⊕y5 x4⊕y6 x5⊕y7 x6⊕y8 x7⊕x8
y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y1   Z

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wt(X) = 0   wt(Y) = 8

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

x0 x1 x2 x3 x4 x5 x6 x7

y8 y9 ya yb yc yd ye yf   X″

y0 y1 y2 y3 y4 y5 y6 y7
x8 x9 xa xb xc xd xe xf   Y″

x0⊕y0 x1⊕y1 x2⊕y2 x3⊕y3 x4⊕y4 x5⊕y5 x6⊕y6 x7⊕y7
y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf   Z

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wt(X) = 0   wt(Y) = 9

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y7 y8 y9 ya yb yc yd ye   X″

xf yf y0 y1 y2 y3 y4 y5
y6 x8 x9 xa xb xc xd xe   Y″

x0⊕xf x1⊕yf x2⊕y0 x3⊕y1 x4⊕y2 x5⊕y3 x6⊕y4 x7⊕y5
y7⊕y6 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe   Z

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wt(X) = 0   wt(Y) = 10

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y6 y7 y8 y9 ya yb yc yd   X″

xe xf ye yf y0 y1 y2 y3

y4 y5 x8 x9 xa xb xc xd   Y″

x0⊕xe x1⊕xf x2⊕ye x3⊕yf x4⊕y0 x5⊕y1 x6⊕y2 x7⊕y3
y6⊕y4 y7⊕y5 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd   Z

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wt(X) = 0   wt(Y) = 11

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y5 y6 y7 y8 y9 ya yb yc   X″

xd xe xf yd ye yf y0 y1
y2 y3 y4 x8 x9 xa xb xc   Y″

x0⊕xd x1⊕xe x2⊕xf x3⊕yd x4⊕ye x5⊕yf x6⊕y0 x7⊕y1
y5⊕y2 y6⊕y3 y7⊕y4 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc   Z

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wt(X) = 0   wt(Y) = 12

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y4 y5 y6 y7 y8 y9 ya yb   X″

xc xd xe xf yc yd ye yf
y0 y1 y2 y3 x8 x9 xa xb   Y″

x0⊕xc x1⊕xd x2⊕xe x3⊕xf x4⊕yc x5⊕yd x6⊕ye x7⊕yf
y4⊕y0 y5⊕y1 y6⊕y2 y7⊕y3 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

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wt(X) = 0   wt(Y) = 13

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y3 y4 y5 y6 y7 y8 y9 ya   X″

xb xc xd xe xf yb yc yd
ye yf y0 y1 y2 x8 x9 xa   Y″

x0⊕xb x1⊕xc x2⊕xd x3⊕xe x4⊕xf x5⊕yb x6⊕yc x7⊕yd
y3⊕ye y4⊕yf y5⊕y0 y6⊕y1 y7⊕y2 y8⊕x8 y9⊕x9 ya⊕xa   Z

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wt(X) = 0   wt(Y) = 14

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y2 y3 y4 y5 y6 y7 y8 y9   X″

xa xb xc xd xe xf ya yb
yc yd ye yf y0 y1 x8 x9   Y″

x0⊕xa x1⊕xb x2⊕xc x3⊕xd x4⊕xe x5⊕xf x6⊕ya x7⊕yb
y2⊕yc y3⊕yd y4⊕ye y5⊕yf y6⊕y0 y7⊕y1 y8⊕x8 y9⊕x9   Z

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wt(X) = 0   wt(Y) = 15

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y1 y2 y3 y4 y5 y6 y7 y8   X″

x9 xa xb xc xd xe xf y9
ya yb yc yd ye yf y0 x8   Y″

x0⊕x9 x1⊕xa x2⊕xb x3⊕xc x4⊕xd x5⊕xe x6⊕xf x7⊕y9
y1⊕ya y2⊕yb y3⊕yc y4⊕yd y5⊕ye y6⊕yf y7⊕y0 y8⊕x8   Z

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wt(X) = 0   wt(Y) = 16

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y0 y1 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd xe xf
y8 y9 ya yb yc yd ye yf   Y″

x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb x4⊕xc x5⊕xd x6⊕xe x7⊕xf
y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb y4⊕yc y5⊕yd y6⊕ye y7⊕yf   Z

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wt(X) = 1   wt(Y) = 0

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y7 xf x0 x1 x2 x3 x4 x5
x6 y0 y1 y2 y3 y4 y5 y6   X″

x7 x8 x9 xa xb xc xd xe
y8 y9 ya yb yc yd ye yf   Y″

y7⊕x7 xf⊕x8 x0⊕x9 x1⊕xa x2⊕xb x3⊕xc x4⊕xd x5⊕xe
x6⊕y8 y0⊕y9 y1⊕ya y2⊕yb y3⊕yc y4⊕yd y5⊕ye y6⊕yf   Z

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wt(X) = 1   wt(Y) = 1

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y6 xf x0 x1 x2 x3 x4 x5
x6 yf y0 y1 y2 y3 y4 y5   X″

ye x7 x8 x9 xa xb xc xd
xe y7 y8 y9 ya yb yc yd   Y″

y6⊕ye xf⊕x7 x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb x4⊕xc x5⊕xd
x6⊕xe yf⊕y7 y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb y4⊕yc y5⊕yd   Z

----

wt(X) = 1   wt(Y) = 2

xf x0 x1 x2 x3 x4 x5 x6   X1

x7 x8 x9 xa xb xc xd xe   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

y5 xf x0 x1 x2 x3 x4 x5
x6 ye yf y0 y1 y2 y3 y4   X″

yc yd x7 x8 x9 xa xb xc
xd xe y6 y7 y8 y9 ya yb   Y″

y5⊕yc xf⊕yd x0⊕x7 x1⊕x8 x2⊕x9 x3⊕xa x4⊕xb x5⊕xc
x6⊕xd ye⊕xe yf⊕y6 y0⊕y7 y1⊕y8 y2⊕y9 y3⊕ya y4⊕yb   Z

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wt(X) = 1   wt(Y) = 3

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

y4 xf x0 x1 x2 x3 x4 x5
x6 yd ye yf y0 y1 y2 y3   X″

ya yb yc x7 x8 x9 xa xb
xc xd xe y5 y6 y7 y8 y9   Y″

y4⊕ya xf⊕yb x0⊕yc x1⊕x7 x2⊕x8 x3⊕x9 x4⊕xa x5⊕xb
x6⊕xc yd⊕xd ye⊕xe yf⊕y5 y0⊕y6 y1⊕y7 y2⊕y8 y3⊕y9   Z

----

wt(X) = 1   wt(Y) = 4

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

yc yd ye yf y0 y1 y2 y3   Y1

y4 y5 y6 y7 y8 y9 ya yb   Y2

y3 xf x0 x1 x2 x3 x4 x5
x6 yc yd ye yf y0 y1 y2   X″

y8 y9 ya yb x7 x8 x9 xa
xb xc xd xe y4 y5 y6 y7   Y″

y3⊕y8 xf⊕y9 x0⊕ya x1⊕yb x2⊕x7 x3⊕x8 x4⊕x9 x5⊕xa
x6⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕y4 y0⊕y5 y1⊕y6 y2⊕y7   Z

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wt(X) = 1   wt(Y) = 5

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

y2 xf x0 x1 x2 x3 x4 x5
x6 yb yc yd ye yf y0 y1   X″

y6 y7 y8 y9 ya x7 x8 x9
xa xb xc xd xe y3 y4 y5   Y″

y2⊕y6 xf⊕y7 x0⊕y8 x1⊕y9 x2⊕ya x3⊕x7 x4⊕x8 x5⊕x9
x6⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕y3 y0⊕y4 y1⊕y5   Z

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wt(X) = 1   wt(Y) = 6

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

y1 xf x0 x1 x2 x3 x4 x5

x6 ya yb yc yd ye yf y0   X″

y4 y5 y6 y7 y8 y9 x7 x8
x9 xa xb xc xd xe y2 y3   Y″

y1⊕y4 xf⊕y5 x0⊕y6 x1⊕y7 x2⊕y8 x3⊕y9 x4⊕x7 x5⊕x8
x6⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕y2 y0⊕y3   Z

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wt(X) = 1   wt(Y) = 7

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

y0 xf x0 x1 x2 x3 x4 x5
x6 y9 ya yb yc yd ye yf   X″

y2 y3 y4 y5 y6 y7 y8 x7
x8 x9 xa xb xc xd xe y1   Y″

y0⊕y2 xf⊕y3 x0⊕y4 x1⊕y5 x2⊕y6 x3⊕y7 x4⊕y8 x5⊕x7
x6⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕y1   Z

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wt(X) = 1   wt(Y) = 8

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

yf xf x0 x1 x2 x3 x4 x5
x6 y8 y9 ya yb yc yd ye   X″

y0 y1 y2 y3 y4 y5 y6 y7

x7 x8 x9 xa xb xc xd xe   Y″

yf⊕y0 xf⊕y1 x0⊕y2 x1⊕y3 x2⊕y4 x3⊕y5 x4⊕y6 x5⊕y7
x6⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe   Z

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wt(X) = 1   wt(Y) = 9

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

ye xf x0 x1 x2 x3 x4 x5
x6 y7 y8 y9 ya yb yc yd   X″

xe yf y0 y1 y2 y3 y4 y5
y6 x7 x8 x9 xa xb xc xd   Y″

ye⊕xe xf⊕yf x0⊕y0 x1⊕y1 x2⊕y2 x3⊕y3 x4⊕y4 x5⊕y5
x6⊕y6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd   Z

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wt(X) = 1   wt(Y) = 10

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

yd xf x0 x1 x2 x3 x4 x5
x6 y6 y7 y8 y9 ya yb yc   X″

xd xe ye yf y0 y1 y2 y3
y4 y5 x7 x8 x9 xa xb xc   Y″

yd⊕xd xf⊕xe x0⊕ye x1⊕yf x2⊕y0 x3⊕y1 x4⊕y2 x5⊕y3
x6⊕y4 y6⊕y5 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc   Z

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wt(X) = 1   wt(Y) = 11

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

yc xf x0 x1 x2 x3 x4 x5
x6 y5 y6 y7 y8 y9 ya yb   X″

xc xd xe yd ye yf y0 y1
y2 y3 y4 x7 x8 x9 xa xb   Y″

yc⊕xc xf⊕xd x0⊕xe x1⊕yd x2⊕ye x3⊕yf x4⊕y0 x5⊕y1
x6⊕y2 y5⊕y3 y6⊕y4 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

----

wt(X) = 1   wt(Y) = 12

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

yb xf x0 x1 x2 x3 x4 x5
x6 y4 y5 y6 y7 y8 y9 ya   X″

xb xc xd xe yc yd ye yf
y0 y1 y2 y3 x7 x8 x9 xa   Y″

yb⊕xb xf⊕xc x0⊕xd x1⊕xe x2⊕yc x3⊕yd x4⊕ye x5⊕yf
x6⊕y0 y4⊕y1 y5⊕y2 y6⊕y3 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 1   wt(Y) = 13

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

ya xf x0 x1 x2 x3 x4 x5
x6 y3 y4 y5 y6 y7 y8 y9   X″

xa xb xc xd xe yb yc yd
ye yf y0 y1 y2 x7 x8 x9   Y″

ya⊕xa xf⊕xb x0⊕xc x1⊕xd x2⊕xe x3⊕yb x4⊕yc x5⊕yd
x6⊕ye y3⊕yf y4⊕y0 y5⊕y1 y6⊕y2 y7⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 1   wt(Y) = 14

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y9 xf x0 x1 x2 x3 x4 x5
x6 y2 y3 y4 y5 y6 y7 y8   X″

x9 xa xb xc xd xe ya yb
yc yd ye yf y0 y1 x7 x8   Y″

y9⊕x9 xf⊕xa x0⊕xb x1⊕xc x2⊕xd x3⊕xe x4⊕ya x5⊕yb
x6⊕yc y2⊕yd y3⊕ye y4⊕yf y5⊕y0 y6⊕y1 y7⊕x7 y8⊕x8   Z

----

wt(X) = 1   wt(Y) = 15

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y8 xf x0 x1 x2 x3 x4 x5
x6 y1 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd xe y9
ya yb yc yd ye yf y0 x7   Y″

y8⊕x8 xf⊕x9 x0⊕xa x1⊕xb x2⊕xc x3⊕xd x4⊕xe x5⊕y9
x6⊕ya y1⊕yb y2⊕yc y3⊕yd y4⊕ye y5⊕yf y6⊕y0 y7⊕x7   Z

----

wt(X) = 1   wt(Y) = 16

xf x0 x1 x2 x3 x4 x5 x6   X1
x7 x8 x9 xa xb xc xd xe   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y7 xf x0 x1 x2 x3 x4 x5
x6 y0 y1 y2 y3 y4 y5 y6   X″

x7 x8 x9 xa xb xc xd xe
y8 y9 ya yb yc yd ye yf   Y″

y7⊕x7 xf⊕x8 x0⊕x9 x1⊕xa x2⊕xb x3⊕xc x4⊕xd x5⊕xe
x6⊕y8 y0⊕y9 y1⊕ya y2⊕yb y3⊕yc y4⊕yd y5⊕ye y6⊕yf   Z

----

wt(X) = 2   wt(Y) = 0

xe xf x0 x1 x2 x3 x4 x5   X1

x6 x7 x8 x9 xa xb xc xd X2

y0 y1 y2 y3 y4 y5 y6 y7 Y1
y8 y9 ya yb yc yd ye yf Y2

y6 y7 xe xf x0 x1 x2 x3
x4 x5 y0 y1 y2 y3 y4 y5 X″

x6 x7 x8 x9 xa xb xc xd
y8 y9 ya yb yc yd ye yf Y″

y6⊕x6 y7⊕x7 xe⊕x8 xf⊕x9 x0⊕xa x1⊕xb x2⊕xc x3⊕xd
x4⊕y8 x5⊕y9 y0⊕ya y1⊕yb y2⊕yc y3⊕yd y4⊕ye y5⊕yf Z

----

wt(X) = 2 wt(Y) = 1

xe xf x0 x1 x2 x3 x4 x5 X1
x6 x7 x8 x9 xa xb xc xd X2

yf y0 y1 y2 y3 y4 y5 y6 Y1
y7 y8 y9 ya yb yc yd ye Y2

y5 y6 xe xf x0 x1 x2 x3
x4 x5 yf y0 y1 y2 y3 y4 X″

ye x6 x7 x8 x9 xa xb xc
xd y7 y8 y9 ya yb yc yd Y″

y5⊕ye y6⊕x6 xe⊕x7 xf⊕x8 x0⊕x9 x1⊕xa x2⊕xb x3⊕xc
x4⊕xd x5⊕y7 yf⊕y8 y0⊕y9 y1⊕ya y2⊕yb y3⊕yc y4⊕yd Z

----

wt(X) = 2 wt(Y) = 2

xe xf x0 x1 x2 x3 x4 x5 X1
x6 x7 x8 x9 xa xb xc xd X2

ye yf y0 y1 y2 y3 y4 y5 Y1

y6 y7 y8 y9 ya yb yc yd   Y2

y4 y5 xe xf x0 x1 x2 x3
x4 x5 ye yf y0 y1 y2 y3   X″

yc yd x6 x7 x8 x9 xa xb
xc xd y6 y7 y8 y9 ya yb   Y″

y4⊕yc y5⊕yd xe⊕x6 xf⊕x7 x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb
x4⊕xc x5⊕xd ye⊕y6 yf⊕y7 y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb   Z

----

wt(X) = 2   wt(Y) = 3

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

y3 y4 xe xf x0 x1 x2 x3
x4 x5 yd ye yf y0 y1 y2   X″

ya yb yc x6 x7 x8 x9 xa
xb xc xd y5 y6 y7 y8 y9   Y″

y3⊕ya y4⊕yb xe⊕yc xf⊕x6 x0⊕x7 x1⊕x8 x2⊕x9 x3⊕xa
x4⊕xb x5⊕xc yd⊕xd ye⊕y5 yf⊕y6 y0⊕y7 y1⊕y8 y2⊕y9   Z

----

wt(X) = 2   wt(Y) = 4

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

y2 y3 xe xf x0 x1 x2 x3

x4 x5 yc yd ye yf y0 y1   X″

y8 y9 ya yb x6 x7 x8 x9
xa xb xc xd y4 y5 y6 y7   Y″

y2⊕y8 y3⊕y9 xe⊕ya xf⊕yb x0⊕x6 x1⊕x7 x2⊕x8 x3⊕x9
x4⊕xa x5⊕xb yc⊕xc yd⊕xd ye⊕y4 yf⊕y5 y0⊕y6 y1⊕y7   Z

----

wt(X) = 2   wt(Y) = 5

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

y1 y2 xe xf x0 x1 x2 x3
x4 x5 yb yc yd ye yf y0   X″

y6 y7 y8 y9 ya x6 x7 x8
x9 xa xb xc xd y3 y4 y5   Y″

y1⊕y6 y2⊕y7 xe⊕y8 xf⊕y9 x0⊕ya x1⊕x6 x2⊕x7 x3⊕x8
x4⊕x9 x5⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕y3 yf⊕y4 y0⊕y5   Z

----

wt(X) = 2   wt(Y) = 6

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

y0 y1 xe xf x0 x1 x2 x3
x4 x5 ya yb yc yd ye yf   X″

y4 y5 y6 y7 y8 y9 x6 x7

x8 x9 xa xb xc xd y2 y3   Y″

y0⊕y4 y1⊕y5 xe⊕y6 xf⊕y7 x0⊕y8 x1⊕y9 x2⊕x6 x3⊕x7
x4⊕x8 x5⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕y2 yf⊕y3   Z

----

wt(X) = 2   wt(Y) = 7

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

yf y0 xe xf x0 x1 x2 x3
x4 x5 y9 ya yb yc yd ye   X″

y2 y3 y4 y5 y6 y7 y8 x6
x7 x8 x9 xa xb xc xd y1   Y″

yf⊕y2 y0⊕y3 xe⊕y4 xf⊕y5 x0⊕y6 x1⊕y7 x2⊕y8 x3⊕x6
x4⊕x7 x5⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕y1   Z

----

wt(X) = 2   wt(Y) = 8

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

ye yf xe xf x0 x1 x2 x3
x4 x5 y8 y9 ya yb yc yd   X″

y0 y1 y2 y3 y4 y5 y6 y7
x6 x7 x8 x9 xa xb xc xd   Y″

ye⊕y0 yf⊕y1 xe⊕y2 xf⊕y3 x0⊕y4 x1⊕y5 x2⊕y6 x3⊕y7
x4⊕x6 x5⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd   Z

----

wt(X) = 2   wt(Y) = 9

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

yd ye xe xf x0 x1 x2 x3
x4 x5 y7 y8 y9 ya yb yc   X″

xd yf y0 y1 y2 y3 y4 y5
y6 x6 x7 x8 x9 xa xb xc   Y″

yd⊕xd ye⊕yf xe⊕y0 xf⊕y1 x0⊕y2 x1⊕y3 x2⊕y4 x3⊕y5
x4⊕y6 x5⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc   Z

----

wt(X) = 2   wt(Y) = 10

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

yc yd xe xf x0 x1 x2 x3
x4 x5 y6 y7 y8 y9 ya yb   X″

xc xd ye yf y0 y1 y2 y3
y4 y5 x6 x7 x8 x9 xa xb   Y″

yc⊕xc yd⊕xd xe⊕ye xf⊕yf x0⊕y0 x1⊕y1 x2⊕y2 x3⊕y3
x4⊕y4 x5⊕y5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

----

wt(X) = 2   wt(Y) = 11

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

yb yc xe xf x0 x1 x2 x3
x4 x5 y5 y6 y7 y8 y9 ya   X″

xb xc xd yd ye yf y0 y1
y2 y3 y4 x6 x7 x8 x9 xa   Y″

yb⊕xb yc⊕xc xe⊕xd xf⊕yd x0⊕ye x1⊕yf x2⊕y0 x3⊕y1
x4⊕y2 x5⊕y3 y5⊕y4 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 2   wt(Y) = 12

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

ya yb xe xf x0 x1 x2 x3
x4 x5 y4 y5 y6 y7 y8 y9   X″

xa xb xc xd yc yd ye yf
y0 y1 y2 y3 x6 x7 x8 x9   Y″

ya⊕xa yb⊕xb xe⊕xc xf⊕xd x0⊕yc x1⊕yd x2⊕ye x3⊕yf
x4⊕y0 x5⊕y1 y4⊕y2 y5⊕y3 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 2   wt(Y) = 13

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y9 ya xe xf x0 x1 x2 x3
x4 x5 y3 y4 y5 y6 y7 y8   X″

x9 xa xb xc xd yb yc yd
ye yf y0 y1 y2 x6 x7 x8   Y″

y9⊕x9 ya⊕xa xe⊕xb xf⊕xc x0⊕xd x1⊕yb x2⊕yc x3⊕yd
x4⊕ye x5⊕yf y3⊕y0 y4⊕y1 y5⊕y2 y6⊕x6 y7⊕x7 y8⊕x8   Z

----

wt(X) = 2   wt(Y) = 14

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y8 y9 xe xf x0 x1 x2 x3
x4 x5 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd ya yb
yc yd ye yf y0 y1 x6 x7   Y″

y8⊕x8 y9⊕x9 xe⊕xa xf⊕xb x0⊕xc x1⊕xd x2⊕ya x3⊕yb
x4⊕yc x5⊕yd y2⊕ye y3⊕yf y4⊕y0 y5⊕y1 y6⊕x6 y7⊕x7   Z

----

wt(X) = 2   wt(Y) = 15

xe xf x0 x1 x2 x3 x4 x5   X1

x6 x7 x8 x9 xa xb xc xd   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y7 y8 xe xf x0 x1 x2 x3
x4 x5 y1 y2 y3 y4 y5 y6   X″

x7 x8 x9 xa xb xc xd y9
ya yb yc yd ye yf y0 x6   Y″

y7⊕x7 y8⊕x8 xe⊕x9 xf⊕xa x0⊕xb x1⊕xc x2⊕xd x3⊕y9
x4⊕ya x5⊕yb y1⊕yc y2⊕yd y3⊕ye y4⊕yf y5⊕y0 y6⊕x6   Z

----

wt(X) = 2   wt(Y) = 16

xe xf x0 x1 x2 x3 x4 x5   X1
x6 x7 x8 x9 xa xb xc xd   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y6 y7 xe xf x0 x1 x2 x3
x4 x5 y0 y1 y2 y3 y4 y5   X″

x6 x7 x8 x9 xa xb xc xd
y8 y9 ya yb yc yd ye yf   Y″

y6⊕x6 y7⊕x7 xe⊕x8 xf⊕x9 x0⊕xa x1⊕xb x2⊕xc x3⊕xd
x4⊕y8 x5⊕y9 y0⊕ya y1⊕yb y2⊕yc y3⊕yd y4⊕ye y5⊕yf   Z

----

wt(X) = 3   wt(Y) = 0

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1

y8 y9 ya yb yc yd ye yf   Y2

y5 y6 y7 xd xe xf x0 x1
x2 x3 x4 y0 y1 y2 y3 y4   X″

x5 x6 x7 x8 x9 xa xb xc
y8 y9 ya yb yc yd ye yf   Y″

y5⊕x5 y6⊕x6 y7⊕x7 xd⊕x8 xe⊕x9 xf⊕xa x0⊕xb x1⊕xc
x2⊕y8 x3⊕y9 x4⊕ya y0⊕yb y1⊕yc y2⊕yd y3⊕ye y4⊕yf   Z

----

wt(X) = 3   wt(Y) = 1

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y4 y5 y6 xd xe xf x0 x1
x2 x3 x4 yf y0 y1 y2 y3   X″

ye x5 x6 x7 x8 x9 xa xb
xc y7 y8 y9 ya yb yc yd   Y″

y4⊕ye y5⊕x5 y6⊕x6 xd⊕x7 xe⊕x8 xf⊕x9 x0⊕xa x1⊕xb
x2⊕xc x3⊕y7 x4⊕y8 yf⊕y9 y0⊕ya y1⊕yb y2⊕yc y3⊕yd   Z

0, 0, 0⊕x6, xd⊕x7 ,xe⊕x8, xf⊕x9, x0⊕xa ,x1⊕xb ,
x2⊕xc, x3⊕0, x4⊕0, 0,1,0,0,0

wt(X) = 3   wt(Y) = 2

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

ye yf y0 y1 y2 y3 y4 y5   Y1

y6 y7 y8 y9 ya yb yc yd   Y2

y3 y4 y5 xd xe xf x0 x1
x2 x3 x4 ye yf y0 y1 y2   X″

yc yd x5 x6 x7 x8 x9 xa
xb xc y6 y7 y8 y9 ya yb   Y″

y3⊕yc y4⊕yd y5⊕x5 xd⊕x6 xe⊕x7 xf⊕x8 x0⊕x9 x1⊕xa
x2⊕xb x3⊕xc x4⊕y6 ye⊕y7 yf⊕y8 y0⊕y9 y1⊕ya y2⊕yb   Z

----

wt(X) = 3   wt(Y) = 3

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

y2 y3 y4 xd xe xf x0 x1
x2 x3 x4 yd ye yf y0 y1   X″

ya yb yc x5 x6 x7 x8 x9
xa xb xc y5 y6 y7 y8 y9   Y″

y2⊕ya y3⊕yb y4⊕yc xd⊕x5 xe⊕x6 xf⊕x7 x0⊕x8 x1⊕x9
x2⊕xa x3⊕xb x4⊕xc yd⊕y5 ye⊕y6 yf⊕y7 y0⊕y8 y1⊕y9   Z

----

wt(X) = 3   wt(Y) = 4

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

y1 y2 y3 xd xe xf x0 x1

x2 x3 x4 yc yd ye yf y0   X″

y8 y9 ya yb x5 x6 x7 x8
x9 xa xb xc y4 y5 y6 y7   Y″

y1⊕y8 y2⊕y9 y3⊕ya xd⊕yb xe⊕x5 xf⊕x6 x0⊕x7 x1⊕x8
x2⊕x9 x3⊕xa x4⊕xb yc⊕xc yd⊕y4 ye⊕y5 yf⊕y6 y0⊕y7   Z

----

wt(X) = 3   wt(Y) = 5

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

y0 y1 y2 xd xe xf x0 x1
x2 x3 x4 yb yc yd ye yf   X″

y6 y7 y8 y9 ya x5 x6 x7
x8 x9 xa xb xc y3 y4 y5   Y″

y0⊕y6 y1⊕y7 y2⊕y8 xd⊕y9 xe⊕ya xf⊕x5 x0⊕x6 x1⊕x7
x2⊕x8 x3⊕x9 x4⊕xa yb⊕xb yc⊕xc yd⊕y3 ye⊕y4 yf⊕y5   Z

----

wt(X) = 3   wt(Y) = 6

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

yf y0 y1 xd xe xf x0 x1
x2 x3 x4 ya yb yc yd ye   X″

y4 y5 y6 y7 y8 y9 x5 x6

x7 x8 x9 xa xb xc y2 y3   Y″

yf⊕y4 y0⊕y5 y1⊕y6 xd⊕y7 xe⊕y8 xf⊕y9 x0⊕x5 x1⊕x6
x2⊕x7 x3⊕x8 x4⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕y2 ye⊕y3   Z

----

wt(X) = 3   wt(Y) = 7

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

ye yf y0 xd xe xf x0 x1
x2 x3 x4 y9 ya yb yc yd   X″

y2 y3 y4 y5 y6 y7 y8 x5
x6 x7 x8 x9 xa xb xc y1   Y″

ye⊕y2 yf⊕y3 y0⊕y4 xd⊕y5 xe⊕y6 xf⊕y7 x0⊕y8 x1⊕x5
x2⊕x6 x3⊕x7 x4⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕y1   Z

----

wt(X) = 3   wt(Y) = 8

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

yd ye yf xd xe xf x0 x1
x2 x3 x4 y8 y9 ya yb yc   X″

y0 y1 y2 y3 y4 y5 y6 y7
x5 x6 x7 x8 x9 xa xb xc   Y″

yd⊕y0 ye⊕y1 yf⊕y2 xd⊕y3 xe⊕y4 xf⊕y5 x0⊕y6 x1⊕y7
x2⊕x5 x3⊕x6 x4⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc   Z

----

wt(X) = 3   wt(Y) = 9

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

yc yd ye xd xe xf x0 x1
x2 x3 x4 y7 y8 y9 ya yb   X″

xc yf y0 y1 y2 y3 y4 y5
y6 x5 x6 x7 x8 x9 xa xb   Y″

yc⊕xc yd⊕yf ye⊕y0 xd⊕y1 xe⊕y2 xf⊕y3 x0⊕y4 x1⊕y5
x2⊕y6 x3⊕x5 x4⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

----

wt(X) = 3   wt(Y) = 10

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

yb yc yd xd xe xf x0 x1
x2 x3 x4 y6 y7 y8 y9 ya   X″

xb xc ye yf y0 y1 y2 y3
y4 y5 x5 x6 x7 x8 x9 xa   Y″

yb⊕xb yc⊕xc yd⊕ye xd⊕yf xe⊕y0 xf⊕y1 x0⊕y2 x1⊕y3
x2⊕y4 x3⊕y5 x4⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 3   wt(Y) = 11

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

ya yb yc xd xe xf x0 x1
x2 x3 x4 y5 y6 y7 y8 y9   X″

xa xb xc yd ye yf y0 y1
y2 y3 y4 x5 x6 x7 x8 x9   Y″

ya⊕xa yb⊕xb yc⊕xc xd⊕yd xe⊕ye xf⊕yf x0⊕y0 x1⊕y1
x2⊕y2 x3⊕y3 x4⊕y4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 3   wt(Y) = 12

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y9 ya yb xd xe xf x0 x1
x2 x3 x4 y4 y5 y6 y7 y8   X″

x9 xa xb xc yc yd ye yf
y0 y1 y2 y3 x5 x6 x7 x8   Y″

y9⊕x9 ya⊕xa yb⊕xb xd⊕xc xe⊕yc xf⊕yd x0⊕ye x1⊕yf
x2⊕y0 x3⊕y1 x4⊕y2 y4⊕y3 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8   Z

----

wt(X) = 3   wt(Y) = 13

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y8 y9 ya xd xe xf x0 x1
x2 x3 x4 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc yb yc yd
ye yf y0 y1 y2 x5 x6 x7   Y″

y8⊕x8 y9⊕x9 ya⊕xa xd⊕xb xe⊕xc xf⊕yb x0⊕yc x1⊕yd
x2⊕ye x3⊕yf x4⊕y0 y3⊕y1 y4⊕y2 y5⊕x5 y6⊕x6 y7⊕x7   Z

----

wt(X) = 3   wt(Y) = 14

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y7 y8 y9 xd xe xf x0 x1
x2 x3 x4 y2 y3 y4 y5 y6   X″

x7 x8 x9 xa xb xc ya yb
yc yd ye yf y0 y1 x5 x6   Y″

y7⊕x7 y8⊕x8 y9⊕x9 xd⊕xa xe⊕xb xf⊕xc x0⊕ya x1⊕yb
x2⊕yc x3⊕yd x4⊕ye y2⊕yf y3⊕y0 y4⊕y1 y5⊕x5 y6⊕x6   Z

----

wt(X) = 3   wt(Y) = 15

xd xe xf x0 x1 x2 x3 x4   X1

x5 x6 x7 x8 x9 xa xb xc   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y6 y7 y8 xd xe xf x0 x1
x2 x3 x4 y1 y2 y3 y4 y5   X″

x6 x7 x8 x9 xa xb xc y9
ya yb yc yd ye yf y0 x5   Y″

y6⊕x6 y7⊕x7 y8⊕x8 xd⊕x9 xe⊕xa xf⊕xb x0⊕xc x1⊕y9
x2⊕ya x3⊕yb x4⊕yc y1⊕yd y2⊕ye y3⊕yf y4⊕y0 y5⊕x5   Z

----

wt(X) = 3   wt(Y) = 16

xd xe xf x0 x1 x2 x3 x4   X1
x5 x6 x7 x8 x9 xa xb xc   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y5 y6 y7 xd xe xf x0 x1
x2 x3 x4 y0 y1 y2 y3 y4   X″

x5 x6 x7 x8 x9 xa xb xc
y8 y9 ya yb yc yd ye yf   Y″

y5⊕x5 y6⊕x6 y7⊕x7 xd⊕x8 xe⊕x9 xf⊕xa x0⊕xb x1⊕xc
x2⊕y8 x3⊕y9 x4⊕ya y0⊕yb y1⊕yc y2⊕yd y3⊕ye y4⊕yf   Z

----

wt(X) = 4   wt(Y) = 0

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1

y8 y9 ya yb yc yd ye yf   Y2

y4 y5 y6 y7 xc xd xe xf
x0 x1 x2 x3 y0 y1 y2 y3   X″

x4 x5 x6 x7 x8 x9 xa xb
y8 y9 ya yb yc yd ye yf   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xc⊕x8 xd⊕x9 xe⊕xa xf⊕xb
x0⊕y8 x1⊕y9 x2⊕ya x3⊕yb y0⊕yc y1⊕yd y2⊕ye y3⊕yf   Z

----

wt(X) = 4   wt(Y) = 1

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y3 y4 y5 y6 xc xd xe xf
x0 x1 x2 x3 yf y0 y1 y2   X″

ye x4 x5 x6 x7 x8 x9 xa
xb y7 y8 y9 ya yb yc yd   Y″

y3⊕ye y4⊕x4 y5⊕x5 y6⊕x6 xc⊕x7 xd⊕x8 xe⊕x9 xf⊕xa
x0⊕xb x1⊕y7 x2⊕y8 x3⊕y9 yf⊕ya y0⊕yb y1⊕yc y2⊕yd   Z

----

wt(X) = 4   wt(Y) = 2

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

y2 y3 y4 y5 xc xd xe xf

x0 x1 x2 x3 ye yf y0 y1   X″

yc yd x4 x5 x6 x7 x8 x9
xa xb y6 y7 y8 y9 ya yb   Y″

y2⊕yc y3⊕yd y4⊕x4 y5⊕x5 xc⊕x6 xd⊕x7 xe⊕x8 xf⊕x9
x0⊕xa x1⊕xb x2⊕y6 x3⊕y7 ye⊕y8 yf⊕y9 y0⊕ya y1⊕yb   Z

----

wt(X) = 4   wt(Y) = 3

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

y1 y2 y3 y4 xc xd xe xf
x0 x1 x2 x3 yd ye yf y0   X″

ya yb yc x4 x5 x6 x7 x8
x9 xa xb y5 y6 y7 y8 y9   Y″

y1⊕ya y2⊕yb y3⊕yc y4⊕x4 xc⊕x5 xd⊕x6 xe⊕x7 xf⊕x8
x0⊕x9 x1⊕xa x2⊕xb x3⊕y5 yd⊕y6 ye⊕y7 yf⊕y8 y0⊕y9   Z

----

wt(X) = 4   wt(Y) = 4

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

y0 y1 y2 y3 xc xd xe xf
x0 x1 x2 x3 yc yd ye yf   X″

y8 y9 ya yb x4 x5 x6 x7

x8 x9 xa xb y4 y5 y6 y7   Y″

y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb xc⊕x4 xd⊕x5 xe⊕x6 xf⊕x7
x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb yc⊕y4 yd⊕y5 ye⊕y6 yf⊕y7   Z

----

wt(X) = 4   wt(Y) = 5

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

yf y0 y1 y2 xc xd xe xf
x0 x1 x2 x3 yb yc yd ye   X″

y6 y7 y8 y9 ya x4 x5 x6
x7 x8 x9 xa xb y3 y4 y5   Y″

yf⊕y6 y0⊕y7 y1⊕y8 y2⊕y9 xc⊕ya xd⊕x4 xe⊕x5 xf⊕x6
x0⊕x7 x1⊕x8 x2⊕x9 x3⊕xa yb⊕xb yc⊕y3 yd⊕y4 ye⊕y5   Z

----

wt(X) = 4   wt(Y) = 6

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

ye yf y0 y1 xc xd xe xf
x0 x1 x2 x3 ya yb yc yd   X″

y4 y5 y6 y7 y8 y9 x4 x5
x6 x7 x8 x9 xa xb y2 y3   Y″

ye⊕y4 yf⊕y5 y0⊕y6 y1⊕y7 xc⊕y8 xd⊕y9 xe⊕x4 xf⊕x5
x0⊕x6 x1⊕x7 x2⊕x8 x3⊕x9 ya⊕xa yb⊕xb yc⊕y2 yd⊕y3   Z

----

wt(X) = 4   wt(Y) = 7

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

yd ye yf y0 xc xd xe xf
x0 x1 x2 x3 y9 ya yb yc   X″

y2 y3 y4 y5 y6 y7 y8 x4
x5 x6 x7 x8 x9 xa xb y1   Y″

yd⊕y2 ye⊕y3 yf⊕y4 y0⊕y5 xc⊕y6 xd⊕y7 xe⊕y8 xf⊕x4
x0⊕x5 x1⊕x6 x2⊕x7 x3⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕y1   Z

----

wt(X) = 4   wt(Y) = 8

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

yc yd ye yf xc xd xe xf
x0 x1 x2 x3 y8 y9 ya yb   X″

y0 y1 y2 y3 y4 y5 y6 y7
x4 x5 x6 x7 x8 x9 xa xb   Y″

yc⊕y0 yd⊕y1 ye⊕y2 yf⊕y3 xc⊕y4 xd⊕y5 xe⊕y6 xf⊕y7
x0⊕x4 x1⊕x5 x2⊕x6 x3⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

----

wt(X) = 4   wt(Y) = 9

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

yb yc yd ye xc xd xe xf
x0 x1 x2 x3 y7 y8 y9 ya   X″

xb yf y0 y1 y2 y3 y4 y5
y6 x4 x5 x6 x7 x8 x9 xa   Y″

yb⊕xb yc⊕yf yd⊕y0 ye⊕y1 xc⊕y2 xd⊕y3 xe⊕y4 xf⊕y5
x0⊕y6 x1⊕x4 x2⊕x5 x3⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 4   wt(Y) = 10

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

ya yb yc yd xc xd xe xf
x0 x1 x2 x3 y6 y7 y8 y9   X″

xa xb ye yf y0 y1 y2 y3
y4 y5 x4 x5 x6 x7 x8 x9   Y″

ya⊕xa yb⊕xb yc⊕ye yd⊕yf xc⊕y0 xd⊕y1 xe⊕y2 xf⊕y3
x0⊕y4 x1⊕y5 x2⊕x4 x3⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 4   wt(Y) = 11

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

y9 ya yb yc xc xd xe xf
x0 x1 x2 x3 y5 y6 y7 y8   X″

x9 xa xb yd ye yf y0 y1
y2 y3 y4 x4 x5 x6 x7 x8   Y″

y9⊕x9 ya⊕xa yb⊕xb yc⊕yd xc⊕ye xd⊕yf xe⊕y0 xf⊕y1
x0⊕y2 x1⊕y3 x2⊕y4 x3⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8   Z

----

wt(X) = 4   wt(Y) = 12

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y8 y9 ya yb xc xd xe xf
x0 x1 x2 x3 y4 y5 y6 y7   X″

x8 x9 xa xb yc yd ye yf
y0 y1 y2 y3 x4 x5 x6 x7   Y″

y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb xc⊕yc xd⊕yd xe⊕ye xf⊕yf
x0⊕y0 x1⊕y1 x2⊕y2 x3⊕y3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7   Z

----

wt(X) = 4   wt(Y) = 13

xc xd xe xf x0 x1 x2 x3   X1

x4 x5 x6 x7 x8 x9 xa xb   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y7 y8 y9 ya xc xd xe xf
x0 x1 x2 x3 y3 y4 y5 y6   X″

x7 x8 x9 xa xb yb yc yd
ye yf y0 y1 y2 x4 x5 x6   Y″

y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa xc⊕xb xd⊕yb xe⊕yc xf⊕yd
x0⊕ye x1⊕yf x2⊕y0 x3⊕y1 y3⊕y2 y4⊕x4 y5⊕x5 y6⊕x6   Z

----

wt(X) = 4   wt(Y) = 14

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y6 y7 y8 y9 xc xd xe xf
x0 x1 x2 x3 y2 y3 y4 y5   X″

x6 x7 x8 x9 xa xb ya yb
yc yd ye yf y0 y1 x4 x5   Y″

y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 xc⊕xa xd⊕xb xe⊕ya xf⊕yb
x0⊕yc x1⊕yd x2⊕ye x3⊕yf y2⊕y0 y3⊕y1 y4⊕x4 y5⊕x5   Z

----

wt(X) = 4   wt(Y) = 15

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1

y9 ya yb yc yd ye yf y0   Y2

y5 y6 y7 y8 xc xd xe xf
x0 x1 x2 x3 y1 y2 y3 y4   X″

x5 x6 x7 x8 x9 xa xb y9
ya yb yc yd ye yf y0 x4   Y″

y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 xc⊕x9 xd⊕xa xe⊕xb xf⊕y9
x0⊕ya x1⊕yb x2⊕yc x3⊕yd y1⊕ye y2⊕yf y3⊕y0 y4⊕x4   Z

----

wt(X) = 4   wt(Y) = 16

xc xd xe xf x0 x1 x2 x3   X1
x4 x5 x6 x7 x8 x9 xa xb   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y4 y5 y6 y7 xc xd xe xf
x0 x1 x2 x3 y0 y1 y2 y3   X″

x4 x5 x6 x7 x8 x9 xa xb
y8 y9 ya yb yc yd ye yf   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xc⊕x8 xd⊕x9 xe⊕xa xf⊕xb
x0⊕y8 x1⊕y9 x2⊕ya x3⊕yb y0⊕yc y1⊕yd y2⊕ye y3⊕yf   Z

----

wt(X) = 5   wt(Y) = 0

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y3 y4 y5 y6 y7 xb xc xd

xe xf x0 x1 x2 y0 y1 y2   X″

x3 x4 x5 x6 x7 x8 x9 xa
y8 y9 ya yb yc yd ye yf   Y″

y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xb⊕x8 xc⊕x9 xd⊕xa
xe⊕y8 xf⊕y9 x0⊕ya x1⊕yb x2⊕yc y0⊕yd y1⊕ye y2⊕yf   Z

----

wt(X) = 5   wt(Y) = 1

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y2 y3 y4 y5 y6 xb xc xd
xe xf x0 x1 x2 yf y0 y1   X″

ye x3 x4 x5 x6 x7 x8 x9
xa y7 y8 y9 ya yb yc yd   Y″

y2⊕ye y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 xb⊕x7 xc⊕x8 xd⊕x9
xe⊕xa xf⊕y7 x0⊕y8 x1⊕y9 x2⊕ya yf⊕yb y0⊕yc y1⊕yd   Z

----

wt(X) = 5   wt(Y) = 2

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

y1 y2 y3 y4 y5 xb xc xd
xe xf x0 x1 x2 ye yf y0   X″

yc yd x3 x4 x5 x6 x7 x8

x9 xa y6 y7 y8 y9 ya yb   Y″

y1⊕yc y2⊕yd y3⊕x3 y4⊕x4 y5⊕x5 xb⊕x6 xc⊕x7 xd⊕x8
xe⊕x9 xf⊕xa x0⊕y6 x1⊕y7 x2⊕y8 ye⊕y9 yf⊕ya y0⊕yb   Z

----

wt(X) = 5   wt(Y) = 3

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

y0 y1 y2 y3 y4 xb xc xd
xe xf x0 x1 x2 yd ye yf   X″

ya yb yc x3 x4 x5 x6 x7
x8 x9 xa y5 y6 y7 y8 y9   Y″

y0⊕ya y1⊕yb y2⊕yc y3⊕x3 y4⊕x4 xb⊕x5 xc⊕x6 xd⊕x7
xe⊕x8 xf⊕x9 x0⊕xa x1⊕y5 x2⊕y6 yd⊕y7 ye⊕y8 yf⊕y9   Z

----

wt(X) = 5   wt(Y) = 4

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

yf y0 y1 y2 y3 xb xc xd
xe xf x0 x1 x2 yc yd ye   X″

y8 y9 ya yb x3 x4 x5 x6
x7 x8 x9 xa y4 y5 y6 y7   Y″

yf⊕y8 y0⊕y9 y1⊕ya y2⊕yb y3⊕x3 xb⊕x4 xc⊕x5 xd⊕x6
xe⊕x7 xf⊕x8 x0⊕x9 x1⊕xa x2⊕y4 yc⊕y5 yd⊕y6 ye⊕y7   Z

----

wt(X) = 5   wt(Y) = 5

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

ye yf y0 y1 y2 xb xc xd
xe xf x0 x1 x2 yb yc yd   X″

y6 y7 y8 y9 ya x3 x4 x5
x6 x7 x8 x9 xa y3 y4 y5   Y″

ye⊕y6 yf⊕y7 y0⊕y8 y1⊕y9 y2⊕ya xb⊕x3 xc⊕x4 xd⊕x5
xe⊕x6 xf⊕x7 x0⊕x8 x1⊕x9 x2⊕xa yb⊕y3 yc⊕y4 yd⊕y5   Z

----

wt(X) = 5   wt(Y) = 6

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

yd ye yf y0 y1 xb xc xd
xe xf x0 x1 x2 ya yb yc   X″

y4 y5 y6 y7 y8 y9 x3 x4
x5 x6 x7 x8 x9 xa y2 y3   Y″

yd⊕y4 ye⊕y5 yf⊕y6 y0⊕y7 y1⊕y8 xb⊕y9 xc⊕x3 xd⊕x4
xe⊕x5 xf⊕x6 x0⊕x7 x1⊕x8 x2⊕x9 ya⊕xa yb⊕y2 yc⊕y3   Z

----

wt(X) = 5   wt(Y) = 7

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

yc yd ye yf y0 xb xc xd
xe xf x0 x1 x2 y9 ya yb   X″

y2 y3 y4 y5 y6 y7 y8 x3
x4 x5 x6 x7 x8 x9 xa y1   Y″

yc⊕y2 yd⊕y3 ye⊕y4 yf⊕y5 y0⊕y6 xb⊕y7 xc⊕y8 xd⊕x3
xe⊕x4 xf⊕x5 x0⊕x6 x1⊕x7 x2⊕x8 y9⊕x9 ya⊕xa yb⊕y1   Z

----

wt(X) = 5   wt(Y) = 8

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

yb yc yd ye yf xb xc xd
xe xf x0 x1 x2 y8 y9 ya   X″

y0 y1 y2 y3 y4 y5 y6 y7
x3 x4 x5 x6 x7 x8 x9 xa   Y″

yb⊕y0 yc⊕y1 yd⊕y2 ye⊕y3 yf⊕y4 xb⊕y5 xc⊕y6 xd⊕y7
xe⊕x3 xf⊕x4 x0⊕x5 x1⊕x6 x2⊕x7 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 5   wt(Y) = 9

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

ya yb yc yd ye xb xc xd
xe xf x0 x1 x2 y7 y8 y9   X″

xa yf y0 y1 y2 y3 y4 y5
y6 x3 x4 x5 x6 x7 x8 x9   Y″

ya⊕xa yb⊕yf yc⊕y0 yd⊕y1 ye⊕y2 xb⊕y3 xc⊕y4 xd⊕y5
xe⊕y6 xf⊕x3 x0⊕x4 x1⊕x5 x2⊕x6 y7⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 5   wt(Y) = 10

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

y9 ya yb yc yd xb xc xd
xe xf x0 x1 x2 y6 y7 y8   X″

x9 xa ye yf y0 y1 y2 y3
y4 y5 x3 x4 x5 x6 x7 x8   Y″

y9⊕x9 ya⊕xa yb⊕ye yc⊕yf yd⊕y0 xb⊕y1 xc⊕y2 xd⊕y3
xe⊕y4 xf⊕y5 x0⊕x3 x1⊕x4 x2⊕x5 y6⊕x6 y7⊕x7 y8⊕x8   Z

----

wt(X) = 5   wt(Y) = 11

xb xc xd xe xf x0 x1 x2   X1

x3 x4 x5 x6 x7 x8 x9 xa   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

y8 y9 ya yb yc xb xc xd
xe xf x0 x1 x2 y5 y6 y7   X″

x8 x9 xa yd ye yf y0 y1
y2 y3 y4 x3 x4 x5 x6 x7   Y″

y8⊕x8 y9⊕x9 ya⊕xa yb⊕yd yc⊕ye xb⊕yf xc⊕y0 xd⊕y1
xe⊕y2 xf⊕y3 x0⊕y4 x1⊕x3 x2⊕x4 y5⊕x5 y6⊕x6 y7⊕x7   Z

----

wt(X) = 5   wt(Y) = 12

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y7 y8 y9 ya yb xb xc xd
xe xf x0 x1 x2 y4 y5 y6   X″

x7 x8 x9 xa yc yd ye yf
y0 y1 y2 y3 x3 x4 x5 x6   Y″

y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa yb⊕yc xb⊕yd xc⊕ye xd⊕yf
xe⊕y0 xf⊕y1 x0⊕y2 x1⊕y3 x2⊕x3 y4⊕x4 y5⊕x5 y6⊕x6   Z

----

wt(X) = 5   wt(Y) = 13

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1

yb yc yd ye yf y0 y1 y2   Y2

y6 y7 y8 y9 ya xb xc xd
xe xf x0 x1 x2 y3 y4 y5   X″

x6 x7 x8 x9 xa yb yc yd
ye yf y0 y1 y2 x3 x4 x5   Y″

y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕xa xb⊕yb xc⊕yc xd⊕yd
xe⊕ye xf⊕yf x0⊕y0 x1⊕y1 x2⊕y2 y3⊕x3 y4⊕x4 y5⊕x5   Z

----

wt(X) = 5   wt(Y) = 14

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y5 y6 y7 y8 y9 xb xc xd
xe xf x0 x1 x2 y2 y3 y4   X″

x5 x6 x7 x8 x9 xa ya yb
yc yd ye yf y0 y1 x3 x4   Y″

y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 xb⊕xa xc⊕ya xd⊕yb
xe⊕yc xf⊕yd x0⊕ye x1⊕yf x2⊕y0 y2⊕y1 y3⊕x3 y4⊕x4   Z

----

wt(X) = 5   wt(Y) = 15

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y4 y5 y6 y7 y8 xb xc xd

xe xf x0 x1 x2 y1 y2 y3   X″

x4 x5 x6 x7 x8 x9 xa y9
ya yb yc yd ye yf y0 x3   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 xb⊕x9 xc⊕xa xd⊕y9
xe⊕ya xf⊕yb x0⊕yc x1⊕yd x2⊕ye y1⊕yf y2⊕y0 y3⊕x3   Z

----

wt(X) = 5   wt(Y) = 16

xb xc xd xe xf x0 x1 x2   X1
x3 x4 x5 x6 x7 x8 x9 xa   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y3 y4 y5 y6 y7 xb xc xd
xe xf x0 x1 x2 y0 y1 y2   X″

x3 x4 x5 x6 x7 x8 x9 xa
y8 y9 ya yb yc yd ye yf   Y″

y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xb⊕x8 xc⊕x9 xd⊕xa
xe⊕y8 xf⊕y9 x0⊕ya x1⊕yb x2⊕yc y0⊕yd y1⊕ye y2⊕yf   Z

----

wt(X) = 6   wt(Y) = 0

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y2 y3 y4 y5 y6 y7 xa xb
xc xd xe xf x0 x1 y0 y1   X″

x2 x3 x4 x5 x6 x7 x8 x9

y8 y9 ya yb yc yd ye yf   Y″

y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xa⊕x8 xb⊕x9
xc⊕y8 xd⊕y9 xe⊕ya xf⊕yb x0⊕yc x1⊕yd y0⊕ye y1⊕yf   Z

----

wt(X) = 6   wt(Y) = 1

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y1 y2 y3 y4 y5 y6 xa xb
xc xd xe xf x0 x1 yf y0   X″

ye x2 x3 x4 x5 x6 x7 x8
x9 y7 y8 y9 ya yb yc yd   Y″

y1⊕ye y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 xa⊕x7 xb⊕x8
xc⊕x9 xd⊕y7 xe⊕y8 xf⊕y9 x0⊕ya x1⊕yb yf⊕yc y0⊕yd   Z

----

wt(X) = 6   wt(Y) = 2

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

y0 y1 y2 y3 y4 y5 xa xb
xc xd xe xf x0 x1 ye yf   X″

yc yd x2 x3 x4 x5 x6 x7
x8 x9 y6 y7 y8 y9 ya yb   Y″

y0⊕yc y1⊕yd y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 xa⊕x6 xb⊕x7
xc⊕x8 xd⊕x9 xe⊕y6 xf⊕y7 x0⊕y8 x1⊕y9 ye⊕ya yf⊕yb   Z

----

wt(X) = 6   wt(Y) = 3

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

yf y0 y1 y2 y3 y4 xa xb
xc xd xe xf x0 x1 yd ye   X″

ya yb yc x2 x3 x4 x5 x6
x7 x8 x9 y5 y6 y7 y8 y9   Y″

yf⊕ya y0⊕yb y1⊕yc y2⊕x2 y3⊕x3 y4⊕x4 xa⊕x5 xb⊕x6
xc⊕x7 xd⊕x8 xe⊕x9 xf⊕y5 x0⊕y6 x1⊕y7 yd⊕y8 ye⊕y9   Z

----

wt(X) = 6   wt(Y) = 4

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

ye yf y0 y1 y2 y3 xa xb
xc xd xe xf x0 x1 yc yd   X″

y8 y9 ya yb x2 x3 x4 x5
x6 x7 x8 x9 y4 y5 y6 y7   Y″

ye⊕y8 yf⊕y9 y0⊕ya y1⊕yb y2⊕x2 y3⊕x3 xa⊕x4 xb⊕x5
xc⊕x6 xd⊕x7 xe⊕x8 xf⊕x9 x0⊕y4 x1⊕y5 yc⊕y6 yd⊕y7   Z

----

wt(X) = 6   wt(Y) = 5

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

yd ye yf y0 y1 y2 xa xb
xc xd xe xf x0 x1 yb yc   X″

y6 y7 y8 y9 ya x2 x3 x4
x5 x6 x7 x8 x9 y3 y4 y5   Y″

yd⊕y6 ye⊕y7 yf⊕y8 y0⊕y9 y1⊕ya y2⊕x2 xa⊕x3 xb⊕x4
xc⊕x5 xd⊕x6 xe⊕x7 xf⊕x8 x0⊕x9 x1⊕y3 yb⊕y4 yc⊕y5   Z

----

wt(X) = 6   wt(Y) = 6

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

yc yd ye yf y0 y1 xa xb
xc xd xe xf x0 x1 ya yb   X″

y4 y5 y6 y7 y8 y9 x2 x3
x4 x5 x6 x7 x8 x9 y2 y3   Y″

yc⊕y4 yd⊕y5 ye⊕y6 yf⊕y7 y0⊕y8 y1⊕y9 xa⊕x2 xb⊕x3
xc⊕x4 xd⊕x5 xe⊕x6 xf⊕x7 x0⊕x8 x1⊕x9 ya⊕y2 yb⊕y3   Z

----

wt(X) = 6   wt(Y) = 7

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

yb yc yd ye yf y0 xa xb
xc xd xe xf x0 x1 y9 ya   X″

y2 y3 y4 y5 y6 y7 y8 x2
x3 x4 x5 x6 x7 x8 x9 y1   Y″

yb⊕y2 yc⊕y3 yd⊕y4 ye⊕y5 yf⊕y6 y0⊕y7 xa⊕y8 xb⊕x2
xc⊕x3 xd⊕x4 xe⊕x5 xf⊕x6 x0⊕x7 x1⊕x8 y9⊕x9 ya⊕y1   Z

----

wt(X) = 6   wt(Y) = 8

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

ya yb yc yd ye yf xa xb
xc xd xe xf x0 x1 y8 y9   X″

y0 y1 y2 y3 y4 y5 y6 y7
x2 x3 x4 x5 x6 x7 x8 x9   Y″

ya⊕y0 yb⊕y1 yc⊕y2 yd⊕y3 ye⊕y4 yf⊕y5 xa⊕y6 xb⊕y7
xc⊕x2 xd⊕x3 xe⊕x4 xf⊕x5 x0⊕x6 x1⊕x7 y8⊕x8 y9⊕x9   Z

----

wt(X) = 6   wt(Y) = 9

xa xb xc xd xe xf x0 x1   X1

x2 x3 x4 x5 x6 x7 x8 x9   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

y9 ya yb yc yd ye xa xb
xc xd xe xf x0 x1 y7 y8   X″

x9 yf y0 y1 y2 y3 y4 y5
y6 x2 x3 x4 x5 x6 x7 x8   Y″

y9⊕x9 ya⊕yf yb⊕y0 yc⊕y1 yd⊕y2 ye⊕y3 xa⊕y4 xb⊕y5
xc⊕y6 xd⊕x2 xe⊕x3 xf⊕x4 x0⊕x5 x1⊕x6 y7⊕x7 y8⊕x8   Z

----

wt(X) = 6   wt(Y) = 10

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

y8 y9 ya yb yc yd xa xb
xc xd xe xf x0 x1 y6 y7   X″

x8 x9 ye yf y0 y1 y2 y3
y4 y5 x2 x3 x4 x5 x6 x7   Y″

y8⊕x8 y9⊕x9 ya⊕ye yb⊕yf yc⊕y0 yd⊕y1 xa⊕y2 xb⊕y3
xc⊕y4 xd⊕y5 xe⊕x2 xf⊕x3 x0⊕x4 x1⊕x5 y6⊕x6 y7⊕x7   Z

----

wt(X) = 6   wt(Y) = 11

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y5 y6 y7 y8 y9 ya yb yc   Y1

yd ye yf y0 y1 y2 y3 y4   Y2

y7 y8 y9 ya yb yc xa xb
xc xd xe xf x0 x1 y5 y6   X″

x7 x8 x9 yd ye yf y0 y1
y2 y3 y4 x2 x3 x4 x5 x6   Y″

y7⊕x7 y8⊕x8 y9⊕x9 ya⊕yd yb⊕ye yc⊕yf xa⊕y0 xb⊕y1
xc⊕y2 xd⊕y3 xe⊕y4 xf⊕x2 x0⊕x3 x1⊕x4 y5⊕x5 y6⊕x6   Z

----

wt(X) = 6   wt(Y) = 12

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y6 y7 y8 y9 ya yb xa xb
xc xd xe xf x0 x1 y4 y5   X″

x6 x7 x8 x9 yc yd ye yf
y0 y1 y2 y3 x2 x3 x4 x5   Y″

y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕yc yb⊕yd xa⊕ye xb⊕yf
xc⊕y0 xd⊕y1 xe⊕y2 xf⊕y3 x0⊕x2 x1⊕x3 y4⊕x4 y5⊕x5   Z

----

wt(X) = 6   wt(Y) = 13

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y5 y6 y7 y8 y9 ya xa xb

xc xd xe xf x0 x1 y3 y4   X″

x5 x6 x7 x8 x9 yb yc yd
ye yf y0 y1 y2 x2 x3 x4   Y″

y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 ya⊕yb xa⊕yc xb⊕yd
xc⊕ye xd⊕yf xe⊕y0 xf⊕y1 x0⊕y2 x1⊕x2 y3⊕x3 y4⊕x4   Z

----

wt(X) = 6   wt(Y) = 14

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y4 y5 y6 y7 y8 y9 xa xb
xc xd xe xf x0 x1 y2 y3   X″

x4 x5 x6 x7 x8 x9 ya yb
yc yd ye yf y0 y1 x2 x3   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕x9 xa⊕ya xb⊕yb
xc⊕yc xd⊕yd xe⊕ye xf⊕yf x0⊕y0 x1⊕y1 y2⊕x2 y3⊕x3   Z

----

wt(X) = 6   wt(Y) = 15

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y3 y4 y5 y6 y7 y8 xa xb
xc xd xe xf x0 x1 y1 y2   X″

x3 x4 x5 x6 x7 x8 x9 y9

ya yb yc yd ye yf y0 x2   Y″

y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 xa⊕x9 xb⊕y9
xc⊕ya xd⊕yb xe⊕yc xf⊕yd x0⊕ye x1⊕yf y1⊕y0 y2⊕x2   Z

----

wt(X) = 6   wt(Y) = 16

xa xb xc xd xe xf x0 x1   X1
x2 x3 x4 x5 x6 x7 x8 x9   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y2 y3 y4 y5 y6 y7 xa xb
xc xd xe xf x0 x1 y0 y1   X″

x2 x3 x4 x5 x6 x7 x8 x9
y8 y9 ya yb yc yd ye yf   Y″

y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 xa⊕x8 xb⊕x9
xc⊕y8 xd⊕y9 xe⊕ya xf⊕yb x0⊕yc x1⊕yd y0⊕ye y1⊕yf   Z

----

wt(X) = 7   wt(Y) = 0

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y1 y2 y3 y4 y5 y6 y7 x9
xa xb xc xd xe xf x0 y0   X″

x1 x2 x3 x4 x5 x6 x7 x8
y8 y9 ya yb yc yd ye yf   Y″

y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 x9⊕x8
xa⊕y8 xb⊕y9 xc⊕ya xd⊕yb xe⊕yc xf⊕yd x0⊕ye y0⊕yf   Z

----

wt(X) = 7   wt(Y) = 1

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

y0 y1 y2 y3 y4 y5 y6 x9
xa xb xc xd xe xf x0 yf   X″

ye x1 x2 x3 x4 x5 x6 x7
x8 y7 y8 y9 ya yb yc yd   Y″

y0⊕ye y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 x9⊕x7
xa⊕x8 xb⊕y7 xc⊕y8 xd⊕y9 xe⊕ya xf⊕yb x0⊕yc yf⊕yd   Z

----

wt(X) = 7   wt(Y) = 2

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

yf y0 y1 y2 y3 y4 y5 x9
xa xb xc xd xe xf x0 ye   X″

yc yd x1 x2 x3 x4 x5 x6
x7 x8 y6 y7 y8 y9 ya yb   Y″

yf⊕yc y0⊕yd y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 x9⊕x6
xa⊕x7 xb⊕x8 xc⊕y6 xd⊕y7 xe⊕y8 xf⊕y9 x0⊕ya ye⊕yb   Z

----

wt(X) = 7   wt(Y) = 3

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

ye yf y0 y1 y2 y3 y4 x9
xa xb xc xd xe xf x0 yd   X″

ya yb yc x1 x2 x3 x4 x5
x6 x7 x8 y5 y6 y7 y8 y9   Y″

ye⊕ya yf⊕yb y0⊕yc y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 x9⊕x5
xa⊕x6 xb⊕x7 xc⊕x8 xd⊕y5 xe⊕y6 xf⊕y7 x0⊕y8 yd⊕y9   Z

----

wt(X) = 7   wt(Y) = 4

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

yd ye yf y0 y1 y2 y3 x9
xa xb xc xd xe xf x0 yc   X″

y8 y9 ya yb x1 x2 x3 x4
x5 x6 x7 x8 y4 y5 y6 y7   Y″

yd⊕y8 ye⊕y9 yf⊕ya y0⊕yb y1⊕x1 y2⊕x2 y3⊕x3 x9⊕x4
xa⊕x5 xb⊕x6 xc⊕x7 xd⊕x8 xe⊕y4 xf⊕y5 x0⊕y6 yc⊕y7   Z

----

wt(X) = 7   wt(Y) = 5

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

yc yd ye yf y0 y1 y2 x9
xa xb xc xd xe xf x0 yb   X″

y6 y7 y8 y9 ya x1 x2 x3
x4 x5 x6 x7 x8 y3 y4 y5   Y″

yc⊕y6 yd⊕y7 ye⊕y8 yf⊕y9 y0⊕ya y1⊕x1 y2⊕x2 x9⊕x3
xa⊕x4 xb⊕x5 xc⊕x6 xd⊕x7 xe⊕x8 xf⊕y3 x0⊕y4 yb⊕y5   Z

----

wt(X) = 7   wt(Y) = 6

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

yb yc yd ye yf y0 y1 x9
xa xb xc xd xe xf x0 ya   X″

y4 y5 y6 y7 y8 y9 x1 x2
x3 x4 x5 x6 x7 x8 y2 y3   Y″

yb⊕y4 yc⊕y5 yd⊕y6 ye⊕y7 yf⊕y8 y0⊕y9 y1⊕x1 x9⊕x2
xa⊕x3 xb⊕x4 xc⊕x5 xd⊕x6 xe⊕x7 xf⊕x8 x0⊕y2 ya⊕y3   Z

----

wt(X) = 7   wt(Y) = 7

x9 xa xb xc xd xe xf x0   X1

x1 x2 x3 x4 x5 x6 x7 x8   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

ya yb yc yd ye yf y0 x9
xa xb xc xd xe xf x0 y9   X″

y2 y3 y4 y5 y6 y7 y8 x1
x2 x3 x4 x5 x6 x7 x8 y1   Y″

ya⊕y2 yb⊕y3 yc⊕y4 yd⊕y5 ye⊕y6 yf⊕y7 y0⊕y8 x9⊕x1
xa⊕x2 xb⊕x3 xc⊕x4 xd⊕x5 xe⊕x6 xf⊕x7 x0⊕x8 y9⊕y1   Z

----

wt(X) = 7   wt(Y) = 8

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

y9 ya yb yc yd ye yf x9
xa xb xc xd xe xf x0 y8   X″

y0 y1 y2 y3 y4 y5 y6 y7
x1 x2 x3 x4 x5 x6 x7 x8   Y″

y9⊕y0 ya⊕y1 yb⊕y2 yc⊕y3 yd⊕y4 ye⊕y5 yf⊕y6 x9⊕y7
xa⊕x1 xb⊕x2 xc⊕x3 xd⊕x4 xe⊕x5 xf⊕x6 x0⊕x7 y8⊕x8   Z

----

wt(X) = 7   wt(Y) = 9

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y7 y8 y9 ya yb yc yd ye   Y1

yf y0 y1 y2 y3 y4 y5 y6   Y2

y8 y9 ya yb yc yd ye x9
xa xb xc xd xe xf x0 y7   X″

x8 yf y0 y1 y2 y3 y4 y5
y6 x1 x2 x3 x4 x5 x6 x7   Y″

y8⊕x8 y9⊕yf ya⊕y0 yb⊕y1 yc⊕y2 yd⊕y3 ye⊕y4 x9⊕y5
xa⊕y6 xb⊕x1 xc⊕x2 xd⊕x3 xe⊕x4 xf⊕x5 x0⊕x6 y7⊕x7   Z

----

wt(X) = 7   wt(Y) = 10

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

y7 y8 y9 ya yb yc yd x9
xa xb xc xd xe xf x0 y6   X″

x7 x8 ye yf y0 y1 y2 y3
y4 y5 x1 x2 x3 x4 x5 x6   Y″

y7⊕x7 y8⊕x8 y9⊕ye ya⊕yf yb⊕y0 yc⊕y1 yd⊕y2 x9⊕y3
xa⊕y4 xb⊕y5 xc⊕x1 xd⊕x2 xe⊕x3 xf⊕x4 x0⊕x5 y6⊕x6   Z

----

wt(X) = 7   wt(Y) = 11

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

y6 y7 y8 y9 ya yb yc x9

xa xb xc xd xe xf x0 y5   X″

x6 x7 x8 yd ye yf y0 y1
y2 y3 y4 x1 x2 x3 x4 x5   Y″

y6⊕x6 y7⊕x7 y8⊕x8 y9⊕yd ya⊕ye yb⊕yf yc⊕y0 x9⊕y1
xa⊕y2 xb⊕y3 xc⊕y4 xd⊕x1 xe⊕x2 xf⊕x3 x0⊕x4 y5⊕x5   Z

----

wt(X) = 7   wt(Y) = 12

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y5 y6 y7 y8 y9 ya yb x9
xa xb xc xd xe xf x0 y4   X″

x5 x6 x7 x8 yc yd ye yf
y0 y1 y2 y3 x1 x2 x3 x4   Y″

y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕yc ya⊕yd yb⊕ye x9⊕yf
xa⊕y0 xb⊕y1 xc⊕y2 xd⊕y3 xe⊕x1 xf⊕x2 x0⊕x3 y4⊕x4   Z

----

wt(X) = 7   wt(Y) = 13

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y4 y5 y6 y7 y8 y9 ya x9
xa xb xc xd xe xf x0 y3   X″

x4 x5 x6 x7 x8 yb yc yd

ye yf y0 y1 y2 x1 x2 x3   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕yb ya⊕yc x9⊕yd
xa⊕ye xb⊕yf xc⊕y0 xd⊕y1 xe⊕y2 xf⊕x1 x0⊕x2 y3⊕x3   Z

----

wt(X) = 7   wt(Y) = 14

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y3 y4 y5 y6 y7 y8 y9 x9
xa xb xc xd xe xf x0 y2   X″

x3 x4 x5 x6 x7 x8 ya yb
yc yd ye yf y0 y1 x1 x2   Y″

y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 y9⊕ya x9⊕yb
xa⊕yc xb⊕yd xc⊕ye xd⊕yf xe⊕y0 xf⊕y1 x0⊕x1 y2⊕x2   Z

----

wt(X) = 7   wt(Y) = 15

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y2 y3 y4 y5 y6 y7 y8 x9
xa xb xc xd xe xf x0 y1   X″

x2 x3 x4 x5 x6 x7 x8 y9
ya yb yc yd ye yf y0 x1   Y″

y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕x8 x9⊕y9
xa⊕ya xb⊕yb xc⊕yc xd⊕yd xe⊕ye xf⊕yf x0⊕y0 y1⊕x1   Z

----

wt(X) = 7   wt(Y) = 16

x9 xa xb xc xd xe xf x0   X1
x1 x2 x3 x4 x5 x6 x7 x8   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y1 y2 y3 y4 y5 y6 y7 x9
xa xb xc xd xe xf x0 y0   X″

x1 x2 x3 x4 x5 x6 x7 x8
y8 y9 ya yb yc yd ye yf   Y″

y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 x9⊕x8
xa⊕y8 xb⊕y9 xc⊕ya xd⊕yb xe⊕yc xf⊕yd x0⊕ye y0⊕yf   Z

----

wt(X) = 8   wt(Y) = 0

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y0 y1 y2 y3 y4 y5 y6 y7
x8 x9 xa xb xc xd xe xf   X″

x0 x1 x2 x3 x4 x5 x6 x7
y8 y9 ya yb yc yd ye yf   Y″

y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7
x8⊕y8 x9⊕y9 xa⊕ya xb⊕yb xc⊕yc xd⊕yd xe⊕ye xf⊕yf   Z

----

wt(X) = 8   wt(Y) = 1

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

yf y0 y1 y2 y3 y4 y5 y6
x8 x9 xa xb xc xd xe xf   X″

ye x0 x1 x2 x3 x4 x5 x6
x7 y7 y8 y9 ya yb yc yd   Y″

yf⊕ye y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6
x8⊕x7 x9⊕y7 xa⊕y8 xb⊕y9 xc⊕ya xd⊕yb xe⊕yc xf⊕yd   Z

----

wt(X) = 8   wt(Y) = 2

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

ye yf y0 y1 y2 y3 y4 y5
x8 x9 xa xb xc xd xe xf   X″

yc yd x0 x1 x2 x3 x4 x5
x6 x7 y6 y7 y8 y9 ya yb   Y″

ye⊕yc yf⊕yd y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5
x8⊕x6 x9⊕x7 xa⊕y6 xb⊕y7 xc⊕y8 xd⊕y9 xe⊕ya xf⊕yb   Z

----

wt(X) = 8   wt(Y) = 3

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

yd ye yf y0 y1 y2 y3 y4
x8 x9 xa xb xc xd xe xf   X″

ya yb yc x0 x1 x2 x3 x4
x5 x6 x7 y5 y6 y7 y8 y9   Y″

yd⊕ya ye⊕yb yf⊕yc y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4
x8⊕x5 x9⊕x6 xa⊕x7 xb⊕y5 xc⊕y6 xd⊕y7 xe⊕y8 xf⊕y9   Z

----

wt(X) = 8   wt(Y) = 4

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

yc yd ye yf y0 y1 y2 y3
x8 x9 xa xb xc xd xe xf   X″

y8 y9 ya yb x0 x1 x2 x3
x4 x5 x6 x7 y4 y5 y6 y7   Y″

yc⊕y8 yd⊕y9 ye⊕ya yf⊕yb y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
x8⊕x4 x9⊕x5 xa⊕x6 xb⊕x7 xc⊕y4 xd⊕y5 xe⊕y6 xf⊕y7   Z

----

wt(X) = 8   wt(Y) = 5

x8 x9 xa xb xc xd xe xf   X1

x0 x1 x2 x3 x4 x5 x6 x7   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

yb yc yd ye yf y0 y1 y2
x8 x9 xa xb xc xd xe xf   X″

y6 y7 y8 y9 ya x0 x1 x2
x3 x4 x5 x6 x7 y3 y4 y5   Y″

yb⊕y6 yc⊕y7 yd⊕y8 ye⊕y9 yf⊕ya y0⊕x0 y1⊕x1 y2⊕x2
x8⊕x3 x9⊕x4 xa⊕x5 xb⊕x6 xc⊕x7 xd⊕y3 xe⊕y4 xf⊕y5   Z

----

wt(X) = 8   wt(Y) = 6

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

ya yb yc yd ye yf y0 y1
x8 x9 xa xb xc xd xe xf   X″

y4 y5 y6 y7 y8 y9 x0 x1
x2 x3 x4 x5 x6 x7 y2 y3   Y″

ya⊕y4 yb⊕y5 yc⊕y6 yd⊕y7 ye⊕y8 yf⊕y9 y0⊕x0 y1⊕x1
x8⊕x2 x9⊕x3 xa⊕x4 xb⊕x5 xc⊕x6 xd⊕x7 xe⊕y2 xf⊕y3   Z

----

wt(X) = 8   wt(Y) = 7

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y9 ya yb yc yd ye yf y0   Y1

y1 y2 y3 y4 y5 y6 y7 y8   Y2

y9 ya yb yc yd ye yf y0
x8 x9 xa xb xc xd xe xf   X″

y2 y3 y4 y5 y6 y7 y8 x0
x1 x2 x3 x4 x5 x6 x7 y1   Y″

y9⊕y2 ya⊕y3 yb⊕y4 yc⊕y5 yd⊕y6 ye⊕y7 yf⊕y8 y0⊕x0
x8⊕x1 x9⊕x2 xa⊕x3 xb⊕x4 xc⊕x5 xd⊕x6 xe⊕x7 xf⊕y1   Z

----

wt(X) = 8   wt(Y) = 8

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

y8 y9 ya yb yc yd ye yf
x8 x9 xa xb xc xd xe xf   X″

y0 y1 y2 y3 y4 y5 y6 y7
x0 x1 x2 x3 x4 x5 x6 x7   Y″

y8⊕y0 y9⊕y1 ya⊕y2 yb⊕y3 yc⊕y4 yd⊕y5 ye⊕y6 yf⊕y7
x8⊕x0 x9⊕x1 xa⊕x2 xb⊕x3 xc⊕x4 xd⊕x5 xe⊕x6 xf⊕x7   Z

----

wt(X) = 8   wt(Y) = 9

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

y7 y8 y9 ya yb yc yd ye

x8 x9 xa xb xc xd xe xf   X″

x7 yf y0 y1 y2 y3 y4 y5
y6 x0 x1 x2 x3 x4 x5 x6   Y″

y7⊕x7 y8⊕yf y9⊕y0 ya⊕y1 yb⊕y2 yc⊕y3 yd⊕y4 ye⊕y5
x8⊕y6 x9⊕x0 xa⊕x1 xb⊕x2 xc⊕x3 xd⊕x4 xe⊕x5 xf⊕x6   Z

----

wt(X) = 8   wt(Y) = 10

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

y6 y7 y8 y9 ya yb yc yd
x8 x9 xa xb xc xd xe xf   X″

x6 x7 ye yf y0 y1 y2 y3
y4 y5 x0 x1 x2 x3 x4 x5   Y″

y6⊕x6 y7⊕x7 y8⊕ye y9⊕yf ya⊕y0 yb⊕y1 yc⊕y2 yd⊕y3
x8⊕y4 x9⊕y5 xa⊕x0 xb⊕x1 xc⊕x2 xd⊕x3 xe⊕x4 xf⊕x5   Z

----

wt(X) = 8   wt(Y) = 11

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

y5 y6 y7 y8 y9 ya yb yc
x8 x9 xa xb xc xd xe xf   X″

x5 x6 x7 yd ye yf y0 y1

y2 y3 y4 x0 x1 x2 x3 x4   Y″

y5⊕x5 y6⊕x6 y7⊕x7 y8⊕yd y9⊕ye ya⊕yf yb⊕y0 yc⊕y1
x8⊕y2 x9⊕y3 xa⊕y4 xb⊕x0 xc⊕x1 xd⊕x2 xe⊕x3 xf⊕x4   Z

----

wt(X) = 8   wt(Y) = 12

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

y4 y5 y6 y7 y8 y9 ya yb
x8 x9 xa xb xc xd xe xf   X″

x4 x5 x6 x7 yc yd ye yf
y0 y1 y2 y3 x0 x1 x2 x3   Y″

y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕yc y9⊕yd ya⊕ye yb⊕yf
x8⊕y0 x9⊕y1 xa⊕y2 xb⊕y3 xc⊕x0 xd⊕x1 xe⊕x2 xf⊕x3   Z

----

wt(X) = 8   wt(Y) = 13

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

y3 y4 y5 y6 y7 y8 y9 ya
x8 x9 xa xb xc xd xe xf   X″

x3 x4 x5 x6 x7 yb yc yd
ye yf y0 y1 y2 x0 x1 x2   Y″

y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕yb y9⊕yc ya⊕yd
x8⊕ye x9⊕yf xa⊕y0 xb⊕y1 xc⊕y2 xd⊕x0 xe⊕x1 xf⊕x2   Z

----

wt(X) = 8   wt(Y) = 14

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

y2 y3 y4 y5 y6 y7 y8 y9
x8 x9 xa xb xc xd xe xf   X″

x2 x3 x4 x5 x6 x7 ya yb
yc yd ye yf y0 y1 x0 x1   Y″

y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕ya y9⊕yb
x8⊕yc x9⊕yd xa⊕ye xb⊕yf xc⊕y0 xd⊕y1 xe⊕x0 xf⊕x1   Z

----

wt(X) = 8   wt(Y) = 15

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

y1 y2 y3 y4 y5 y6 y7 y8
x8 x9 xa xb xc xd xe xf   X″

x1 x2 x3 x4 x5 x6 x7 y9
ya yb yc yd ye yf y0 x0   Y″

y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7 y8⊕y9
x8⊕ya x9⊕yb xa⊕yc xb⊕yd xc⊕ye xd⊕yf xe⊕y0 xf⊕x0   Z

----

wt(X) = 8   wt(Y) = 16

x8 x9 xa xb xc xd xe xf   X1
x0 x1 x2 x3 x4 x5 x6 x7   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

y0 y1 y2 y3 y4 y5 y6 y7
x8 x9 xa xb xc xd xe xf   X″

x0 x1 x2 x3 x4 x5 x6 x7
y8 y9 ya yb yc yd ye yf   Y″

y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕x7
x8⊕y8 x9⊕y9 xa⊕ya xb⊕yb xc⊕yc xd⊕yd xe⊕ye xf⊕yf   Z

----

wt(X) = 9   wt(Y) = 0

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

xe y0 y1 y2 y3 y4 y5 y6
y7 x7 x8 x9 xa xb xc xd   X″

xf x0 x1 x2 x3 x4 x5 x6
y8 y9 ya yb yc yd ye yf   Y″

xe⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6
y7⊕y8 x7⊕y9 x8⊕ya x9⊕yb xa⊕yc xb⊕yd xc⊕ye xd⊕yf   Z

----

wt(X) = 9   wt(Y) = 1

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

xe yf y0 y1 y2 y3 y4 y5
y6 x7 x8 x9 xa xb xc xd   X″

ye xf x0 x1 x2 x3 x4 x5
x6 y7 y8 y9 ya yb yc yd   Y″

xe⊕ye yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5
y6⊕x6 x7⊕y7 x8⊕y8 x9⊕y9 xa⊕ya xb⊕yb xc⊕yc xd⊕yd   Z

----

wt(X) = 9   wt(Y) = 2

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

xe ye yf y0 y1 y2 y3 y4
y5 x7 x8 x9 xa xb xc xd   X″

yc yd xf x0 x1 x2 x3 x4
x5 x6 y6 y7 y8 y9 ya yb   Y″

xe⊕yc ye⊕yd yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4
y5⊕x5 x7⊕x6 x8⊕y6 x9⊕y7 xa⊕y8 xb⊕y9 xc⊕ya xd⊕yb   Z

----

wt(X) = 9   wt(Y) = 3

x7 x8 x9 xa xb xc xd xe   X1

xf x0 x1 x2 x3 x4 x5 x6   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

xe yd ye yf y0 y1 y2 y3
y4 x7 x8 x9 xa xb xc xd   X″

ya yb yc xf x0 x1 x2 x3
x4 x5 x6 y5 y6 y7 y8 y9   Y″

xe⊕ya yd⊕yb ye⊕yc yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
y4⊕x4 x7⊕x5 x8⊕x6 x9⊕y5 xa⊕y6 xb⊕y7 xc⊕y8 xd⊕y9   Z

----

wt(X) = 9   wt(Y) = 4

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

xe yc yd ye yf y0 y1 y2
y3 x7 x8 x9 xa xb xc xd   X″

y8 y9 ya yb xf x0 x1 x2
x3 x4 x5 x6 y4 y5 y6 y7   Y″

xe⊕y8 yc⊕y9 yd⊕ya ye⊕yb yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕x3 x7⊕x4 x8⊕x5 x9⊕x6 xa⊕y4 xb⊕y5 xc⊕y6 xd⊕y7   Z

----

wt(X) = 9   wt(Y) = 5

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

yb yc yd ye yf y0 y1 y2   Y1

y3 y4 y5 y6 y7 y8 y9 ya   Y2

xe yb yc yd ye yf y0 y1
y2 x7 x8 x9 xa xb xc xd   X″

y6 y7 y8 y9 ya xf x0 x1
x2 x3 x4 x5 x6 y3 y4 y5   Y″

xe⊕y6 yb⊕y7 yc⊕y8 yd⊕y9 ye⊕ya yf⊕xf y0⊕x0 y1⊕x1
y2⊕x2 x7⊕x3 x8⊕x4 x9⊕x5 xa⊕x6 xb⊕y3 xc⊕y4 xd⊕y5   Z

----

wt(X) = 9   wt(Y) = 6

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

xe ya yb yc yd ye yf y0
y1 x7 x8 x9 xa xb xc xd   X″

y4 y5 y6 y7 y8 y9 xf x0
x1 x2 x3 x4 x5 x6 y2 y3   Y″

xe⊕y4 ya⊕y5 yb⊕y6 yc⊕y7 yd⊕y8 ye⊕y9 yf⊕xf y0⊕x0
y1⊕x1 x7⊕x2 x8⊕x3 x9⊕x4 xa⊕x5 xb⊕x6 xc⊕y2 xd⊕y3   Z

----

wt(X) = 9   wt(Y) = 7

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

xe y9 ya yb yc yd ye yf

y0 x7 x8 x9 xa xb xc xd   X″

y2 y3 y4 y5 y6 y7 y8 xf
x0 x1 x2 x3 x4 x5 x6 y1   Y″

xe⊕y2 y9⊕y3 ya⊕y4 yb⊕y5 yc⊕y6 yd⊕y7 ye⊕y8 yf⊕xf
y0⊕x0 x7⊕x1 x8⊕x2 x9⊕x3 xa⊕x4 xb⊕x5 xc⊕x6 xd⊕y1   Z

----

wt(X) = 9   wt(Y) = 8

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

xe y8 y9 ya yb yc yd ye
yf x7 x8 x9 xa xb xc xd   X″

y0 y1 y2 y3 y4 y5 y6 y7
xf x0 x1 x2 x3 x4 x5 x6   Y″

xe⊕y0 y8⊕y1 y9⊕y2 ya⊕y3 yb⊕y4 yc⊕y5 yd⊕y6 ye⊕y7
yf⊕xf x7⊕x0 x8⊕x1 x9⊕x2 xa⊕x3 xb⊕x4 xc⊕x5 xd⊕x6   Z

----

wt(X) = 9   wt(Y) = 9

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

xe y7 y8 y9 ya yb yc yd
ye x7 x8 x9 xa xb xc xd   X″

x6 yf y0 y1 y2 y3 y4 y5

y6 xf x0 x1 x2 x3 x4 x5   Y″

xe⊕x6 y7⊕yf y8⊕y0 y9⊕y1 ya⊕y2 yb⊕y3 yc⊕y4 yd⊕y5
ye⊕y6 x7⊕xf x8⊕x0 x9⊕x1 xa⊕x2 xb⊕x3 xc⊕x4 xd⊕x5   Z

----

wt(X) = 9   wt(Y) = 10

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

xe y6 y7 y8 y9 ya yb yc
yd x7 x8 x9 xa xb xc xd   X″

x5 x6 ye yf y0 y1 y2 y3
y4 y5 xf x0 x1 x2 x3 x4   Y″

xe⊕x5 y6⊕x6 y7⊕ye y8⊕yf y9⊕y0 ya⊕y1 yb⊕y2 yc⊕y3
yd⊕y4 x7⊕y5 x8⊕xf x9⊕x0 xa⊕x1 xb⊕x2 xc⊕x3 xd⊕x4   Z

----

wt(X) = 9   wt(Y) = 11

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

xe y5 y6 y7 y8 y9 ya yb
yc x7 x8 x9 xa xb xc xd   X″

x4 x5 x6 yd ye yf y0 y1
y2 y3 y4 xf x0 x1 x2 x3   Y″

xe⊕x4 y5⊕x5 y6⊕x6 y7⊕yd y8⊕ye y9⊕yf ya⊕y0 yb⊕y1
yc⊕y2 x7⊕y3 x8⊕y4 x9⊕xf xa⊕x0 xb⊕x1 xc⊕x2 xd⊕x3   Z

----

wt(X) = 9   wt(Y) = 12

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

xe y4 y5 y6 y7 y8 y9 ya
yb x7 x8 x9 xa xb xc xd   X″

x3 x4 x5 x6 yc yd ye yf
y0 y1 y2 y3 xf x0 x1 x2   Y″

xe⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕yc y8⊕yd y9⊕ye ya⊕yf
yb⊕y0 x7⊕y1 x8⊕y2 x9⊕y3 xa⊕xf xb⊕x0 xc⊕x1 xd⊕x2   Z

----

wt(X) = 9   wt(Y) = 13

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

xe y3 y4 y5 y6 y7 y8 y9
ya x7 x8 x9 xa xb xc xd   X″

x2 x3 x4 x5 x6 yb yc yd
ye yf y0 y1 y2 xf x0 x1   Y″

xe⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕yb y8⊕yc y9⊕yd
ya⊕ye x7⊕yf x8⊕y0 x9⊕y1 xa⊕y2 xb⊕xf xc⊕x0 xd⊕x1   Z

----

wt(X) = 9   wt(Y) = 14

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

xe y2 y3 y4 y5 y6 y7 y8
y9 x7 x8 x9 xa xb xc xd   X″

x1 x2 x3 x4 x5 x6 ya yb
yc yd ye yf y0 y1 xf x0   Y″

xe⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕ya y8⊕yb
y9⊕yc x7⊕yd x8⊕ye x9⊕yf xa⊕y0 xb⊕y1 xc⊕xf xd⊕x0   Z

----

wt(X) = 9   wt(Y) = 15

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

xe y1 y2 y3 y4 y5 y6 y7
y8 x7 x8 x9 xa xb xc xd   X″

x0 x1 x2 x3 x4 x5 x6 y9
ya yb yc yd ye yf y0 xf   Y″

xe⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6 y7⊕y9
y8⊕ya x7⊕yb x8⊕yc x9⊕yd xa⊕ye xb⊕yf xc⊕y0 xd⊕xf   Z

----

wt(X) = 9   wt(Y) = 16

x7 x8 x9 xa xb xc xd xe   X1
xf x0 x1 x2 x3 x4 x5 x6   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

xe y0 y1 y2 y3 y4 y5 y6
y7 x7 x8 x9 xa xb xc xd   X″

xf x0 x1 x2 x3 x4 x5 x6
y8 y9 ya yb yc yd ye yf   Y″

xe⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕x6
y7⊕y8 x7⊕y9 x8⊕ya x9⊕yb xa⊕yc xb⊕yd xc⊕ye xd⊕yf   Z

----

wt(X) = 10   wt(Y) = 0

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

xc xd y0 y1 y2 y3 y4 y5
y6 y7 x6 x7 x8 x9 xa xb   X″

xe xf x0 x1 x2 x3 x4 x5
y8 y9 ya yb yc yd ye yf   Y″

xc⊕xe xd⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5
y6⊕y8 y7⊕y9 x6⊕ya x7⊕yb x8⊕yc x9⊕yd xa⊕ye xb⊕yf   Z

----

wt(X) = 10   wt(Y) = 1

x6 x7 x8 x9 xa xb xc xd   X1

xe xf x0 x1 x2 x3 x4 x5   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

xc xd yf y0 y1 y2 y3 y4
y5 y6 x6 x7 x8 x9 xa xb   X″

ye xe xf x0 x1 x2 x3 x4
x5 y7 y8 y9 ya yb yc yd   Y″

xc⊕ye xd⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4
y5⊕x5 y6⊕y7 x6⊕y8 x7⊕y9 x8⊕ya x9⊕yb xa⊕yc xb⊕yd   Z

----

wt(X) = 10   wt(Y) = 2

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

xc xd ye yf y0 y1 y2 y3
y4 y5 x6 x7 x8 x9 xa xb   X″

yc yd xe xf x0 x1 x2 x3
x4 x5 y6 y7 y8 y9 ya yb   Y″

xc⊕yc xd⊕yd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
y4⊕x4 y5⊕x5 x6⊕y6 x7⊕y7 x8⊕y8 x9⊕y9 xa⊕ya xb⊕yb   Z

----

wt(X) = 10   wt(Y) = 3

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

yd ye yf y0 y1 y2 y3 y4   Y1

y5 y6 y7 y8 y9 ya yb yc   Y2

xc xd yd ye yf y0 y1 y2
y3 y4 x6 x7 x8 x9 xa xb   X″

ya yb yc xe xf x0 x1 x2
x3 x4 x5 y5 y6 y7 y8 y9   Y″

xc⊕ya xd⊕yb yd⊕yc ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕x3 y4⊕x4 x6⊕x5 x7⊕y5 x8⊕y6 x9⊕y7 xa⊕y8 xb⊕y9   Z

----

wt(X) = 10   wt(Y) = 4

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

xc xd yc yd ye yf y0 y1
y2 y3 x6 x7 x8 x9 xa xb   X″

y8 y9 ya yb xe xf x0 x1
x2 x3 x4 x5 y4 y5 y6 y7   Y″

xc⊕y8 xd⊕y9 yc⊕ya yd⊕yb ye⊕xe yf⊕xf y0⊕x0 y1⊕x1
y2⊕x2 y3⊕x3 x6⊕x4 x7⊕x5 x8⊕y4 x9⊕y5 xa⊕y6 xb⊕y7   Z

----

wt(X) = 10   wt(Y) = 5

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

xc xd yb yc yd ye yf y0

y1 y2 x6 x7 x8 x9 xa xb X″

y6 y7 y8 y9 ya xe xf x0
x1 x2 x3 x4 x5 y3 y4 y5 Y″

xc⊕y6 xd⊕y7 yb⊕y8 yc⊕y9 yd⊕ya ye⊕xe yf⊕xf y0⊕x0
y1⊕x1 y2⊕x2 x6⊕x3 x7⊕x4 x8⊕x5 x9⊕y3 xa⊕y4 xb⊕y5 Z

----

wt(X) = 10 wt(Y) = 6

x6 x7 x8 x9 xa xb xc xd X1
xe xf x0 x1 x2 x3 x4 x5 X2

ya yb yc yd ye yf y0 y1 Y1
y2 y3 y4 y5 y6 y7 y8 y9 Y2

xc xd ya yb yc yd ye yf
y0 y1 x6 x7 x8 x9 xa xb X″

y4 y5 y6 y7 y8 y9 xe xf
x0 x1 x2 x3 x4 x5 y2 y3 Y″

xc⊕y4 xd⊕y5 ya⊕y6 yb⊕y7 yc⊕y8 yd⊕y9 ye⊕xe yf⊕xf
y0⊕x0 y1⊕x1 x6⊕x2 x7⊕x3 x8⊕x4 x9⊕x5 xa⊕y2 xb⊕y3 Z

----

wt(X) = 10 wt(Y) = 7

x6 x7 x8 x9 xa xb xc xd X1
xe xf x0 x1 x2 x3 x4 x5 X2

y9 ya yb yc yd ye yf y0 Y1
y1 y2 y3 y4 y5 y6 y7 y8 Y2

xc xd y9 ya yb yc yd ye
yf y0 x6 x7 x8 x9 xa xb X″

y2 y3 y4 y5 y6 y7 y8 xe

xf x0 x1 x2 x3 x4 x5 y1　　Y″

xc⊕y2 xd⊕y3 y9⊕y4 ya⊕y5 yb⊕y6 yc⊕y7 yd⊕y8 ye⊕xe
yf⊕xf y0⊕x0 x6⊕x1 x7⊕x2 x8⊕x3 x9⊕x4 xa⊕x5 xb⊕y1　　Z

----

wt(X) = 10　 wt(Y) = 8

x6 x7 x8 x9 xa xb xc xd　　X1
xe xf x0 x1 x2 x3 x4 x5　　X2

y8 y9 ya yb yc yd ye yf　　Y1
y0 y1 y2 y3 y4 y5 y6 y7　　Y2

xc xd y8 y9 ya yb yc yd
ye yf x6 x7 x8 x9 xa xb　　X″

y0 y1 y2 y3 y4 y5 y6 y7
xe xf x0 x1 x2 x3 x4 x5　　Y″

xc⊕y0 xd⊕y1 y8⊕y2 y9⊕y3 ya⊕y4 yb⊕y5 yc⊕y6 yd⊕y7
ye⊕xe yf⊕xf x6⊕x0 x7⊕x1 x8⊕x2 x9⊕x3 xa⊕x4 xb⊕x5　　Z

----

wt(X) = 10　 wt(Y) = 9

x6 x7 x8 x9 xa xb xc xd　　X1
xe xf x0 x1 x2 x3 x4 x5　　X2

y7 y8 y9 ya yb yc yd ye　　Y1
yf y0 y1 y2 y3 y4 y5 y6　　Y2

xc xd y7 y8 y9 ya yb yc
yd ye x6 x7 x8 x9 xa xb　　X″

x5 yf y0 y1 y2 y3 y4 y5
y6 xe xf x0 x1 x2 x3 x4　　Y″

xc⊕x5 xd⊕yf y7⊕y0 y8⊕y1 y9⊕y2 ya⊕y3 yb⊕y4 yc⊕y5
yd⊕y6 ye⊕xe x6⊕xf x7⊕x0 x8⊕x1 x9⊕x2 xa⊕x3 xb⊕x4   Z

----

wt(X) = 10   wt(Y) = 10

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

xc xd y6 y7 y8 y9 ya yb
yc yd x6 x7 x8 x9 xa xb   X″

x4 x5 ye yf y0 y1 y2 y3
y4 y5 xe xf x0 x1 x2 x3   Y″

xc⊕x4 xd⊕x5 y6⊕ye y7⊕yf y8⊕y0 y9⊕y1 ya⊕y2 yb⊕y3
yc⊕y4 yd⊕y5 x6⊕xe x7⊕xf x8⊕x0 x9⊕x1 xa⊕x2 xb⊕x3   Z

----

wt(X) = 10   wt(Y) = 11

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

xc xd y5 y6 y7 y8 y9 ya
yb yc x6 x7 x8 x9 xa xb   X″

x3 x4 x5 yd ye yf y0 y1
y2 y3 y4 xe xf x0 x1 x2   Y″

xc⊕x3 xd⊕x4 y5⊕x5 y6⊕yd y7⊕ye y8⊕yf y9⊕y0 ya⊕y1
yb⊕y2 yc⊕y3 x6⊕y4 x7⊕xe x8⊕xf x9⊕x0 xa⊕x1 xb⊕x2   Z

----

wt(X) = 10   wt(Y) = 12

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

xc xd y4 y5 y6 y7 y8 y9
ya yb x6 x7 x8 x9 xa xb   X″

x2 x3 x4 x5 yc yd ye yf
y0 y1 y2 y3 xe xf x0 x1   Y″

xc⊕x2 xd⊕x3 y4⊕x4 y5⊕x5 y6⊕yc y7⊕yd y8⊕ye y9⊕yf
ya⊕y0 yb⊕y1 x6⊕y2 x7⊕y3 x8⊕xe x9⊕xf xa⊕x0 xb⊕x1   Z

----

wt(X) = 10   wt(Y) = 13

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

xc xd y3 y4 y5 y6 y7 y8
y9 ya x6 x7 x8 x9 xa xb   X″

x1 x2 x3 x4 x5 yb yc yd
ye yf y0 y1 y2 xe xf x0   Y″

xc⊕x1 xd⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕yb y7⊕yc y8⊕yd
y9⊕ye ya⊕yf x6⊕y0 x7⊕y1 x8⊕y2 x9⊕xe xa⊕xf xb⊕x0   Z

----

wt(X) = 10   wt(Y) = 14

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

xc xd y2 y3 y4 y5 y6 y7
y8 y9 x6 x7 x8 x9 xa xb   X″

x0 x1 x2 x3 x4 x5 ya yb
yc yd ye yf y0 y1 xe xf   Y″

xc⊕x0 xd⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕ya y7⊕yb
y8⊕yc y9⊕yd x6⊕ye x7⊕yf x8⊕y0 x9⊕y1 xa⊕xe xb⊕xf   Z

----

wt(X) = 10   wt(Y) = 15

x6 x7 x8 x9 xa xb xc xd   X1
xe xf x0 x1 x2 x3 x4 x5   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

xc xd y1 y2 y3 y4 y5 y6
y7 y8 x6 x7 x8 x9 xa xb   X″

xf x0 x1 x2 x3 x4 x5 y9
ya yb yc yd ye yf y0 xe   Y″

xc⊕xf xd⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5 y6⊕y9
y7⊕ya y8⊕yb x6⊕yc x7⊕yd x8⊕ye x9⊕yf xa⊕y0 xb⊕xe   Z

----

wt(X) = 10   wt(Y) = 16

x6 x7 x8 x9 xa xb xc xd   X1

xe xf x0 x1 x2 x3 x4 x5   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

xc xd y0 y1 y2 y3 y4 y5
y6 y7 x6 x7 x8 x9 xa xb   X″

xe xf x0 x1 x2 x3 x4 x5
y8 y9 ya yb yc yd ye yf   Y″

xc⊕xe xd⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕x5
y6⊕y8 y7⊕y9 x6⊕ya x7⊕yb x8⊕yc x9⊕yd xa⊕ye xb⊕yf   Z

----

wt(X) = 11   wt(Y) = 0

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

xa xb xc y0 y1 y2 y3 y4
y5 y6 y7 x5 x6 x7 x8 x9   X″

xd xe xf x0 x1 x2 x3 x4
y8 y9 ya yb yc yd ye yf   Y″

xa⊕xd xb⊕xe xc⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4
y5⊕y8 y6⊕y9 y7⊕ya x5⊕yb x6⊕yc x7⊕yd x8⊕ye x9⊕yf   Z

----

wt(X) = 11   wt(Y) = 1

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1

y7 y8 y9 ya yb yc yd ye   Y2

xa xb xc yf y0 y1 y2 y3
y4 y5 y6 x5 x6 x7 x8 x9   X″

ye xd xe xf x0 x1 x2 x3
x4 y7 y8 y9 ya yb yc yd   Y″

xa⊕ye xb⊕xd xc⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
y4⊕x4 y5⊕y7 y6⊕y8 x5⊕y9 x6⊕ya x7⊕yb x8⊕yc x9⊕yd   Z

----

wt(X) = 11   wt(Y) = 2

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

xa xb xc ye yf y0 y1 y2
y3 y4 y5 x5 x6 x7 x8 x9   X″

yc yd xd xe xf x0 x1 x2
x3 x4 y6 y7 y8 y9 ya yb   Y″

xa⊕yc xb⊕yd xc⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕x3 y4⊕x4 y5⊕y6 x5⊕y7 x6⊕y8 x7⊕y9 x8⊕ya x9⊕yb   Z

----

wt(X) = 11   wt(Y) = 3

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

xa xb xc yd ye yf y0 y1

y2 y3 y4 x5 x6 x7 x8 x9   X″

ya yb yc xd xe xf x0 x1
x2 x3 x4 y5 y6 y7 y8 y9   Y″

xa⊕ya xb⊕yb xc⊕yc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1
y2⊕x2 y3⊕x3 y4⊕x4 x5⊕y5 x6⊕y6 x7⊕y7 x8⊕y8 x9⊕y9   Z

----

wt(X) = 11   wt(Y) = 4

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

xa xb xc yc yd ye yf y0
y1 y2 y3 x5 x6 x7 x8 x9   X″

y8 y9 ya yb xd xe xf x0
x1 x2 x3 x4 y4 y5 y6 y7   Y″

xa⊕y8 xb⊕y9 xc⊕ya yc⊕yb yd⊕xd ye⊕xe yf⊕xf y0⊕x0
y1⊕x1 y2⊕x2 y3⊕x3 x5⊕x4 x6⊕y4 x7⊕y5 x8⊕y6 x9⊕y7   Z

----

wt(X) = 11   wt(Y) = 5

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

xa xb xc yb yc yd ye yf
y0 y1 y2 x5 x6 x7 x8 x9   X″

y6 y7 y8 y9 ya xd xe xf

x0 x1 x2 x3 x4 y3 y4 y5   Y″

xa⊕y6 xb⊕y7 xc⊕y8 yb⊕y9 yc⊕ya yd⊕xd ye⊕xe yf⊕xf
y0⊕x0 y1⊕x1 y2⊕x2 x5⊕x3 x6⊕x4 x7⊕y3 x8⊕y4 x9⊕y5   Z

----

wt(X) = 11   wt(Y) = 6

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

xa xb xc ya yb yc yd ye
yf y0 y1 x5 x6 x7 x8 x9   X″

y4 y5 y6 y7 y8 y9 xd xe
xf x0 x1 x2 x3 x4 y2 y3   Y″

xa⊕y4 xb⊕y5 xc⊕y6 ya⊕y7 yb⊕y8 yc⊕y9 yd⊕xd ye⊕xe
yf⊕xf y0⊕x0 y1⊕x1 x5⊕x2 x6⊕x3 x7⊕x4 x8⊕y2 x9⊕y3   Z

----

wt(X) = 11   wt(Y) = 7

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

xa xb xc y9 ya yb yc yd
ye yf y0 x5 x6 x7 x8 x9   X″

y2 y3 y4 y5 y6 y7 y8 xd
xe xf x0 x1 x2 x3 x4 y1   Y″

xa⊕y2 xb⊕y3 xc⊕y4 y9⊕y5 ya⊕y6 yb⊕y7 yc⊕y8 yd⊕xd
ye⊕xe yf⊕xf y0⊕x0 x5⊕x1 x6⊕x2 x7⊕x3 x8⊕x4 x9⊕y1   Z

----

wt(X) = 11   wt(Y) = 8

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

xa xb xc y8 y9 ya yb yc
yd ye yf x5 x6 x7 x8 x9   X″

y0 y1 y2 y3 y4 y5 y6 y7
xd xe xf x0 x1 x2 x3 x4   Y″

xa⊕y0 xb⊕y1 xc⊕y2 y8⊕y3 y9⊕y4 ya⊕y5 yb⊕y6 yc⊕y7
yd⊕xd ye⊕xe yf⊕xf x5⊕x0 x6⊕x1 x7⊕x2 x8⊕x3 x9⊕x4   Z

----

wt(X) = 11   wt(Y) = 9

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

xa xb xc y7 y8 y9 ya yb
yc yd ye x5 x6 x7 x8 x9   X″

x4 yf y0 y1 y2 y3 y4 y5
y6 xd xe xf x0 x1 x2 x3   Y″

xa⊕x4 xb⊕yf xc⊕y0 y7⊕y1 y8⊕y2 y9⊕y3 ya⊕y4 yb⊕y5
yc⊕y6 yd⊕xd ye⊕xe x5⊕xf x6⊕x0 x7⊕x1 x8⊕x2 x9⊕x3   Z

----

wt(X) = 11   wt(Y) = 10

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

xa xb xc y6 y7 y8 y9 ya
yb yc yd x5 x6 x7 x8 x9   X″

x3 x4 ye yf y0 y1 y2 y3
y4 y5 xd xe xf x0 x1 x2   Y″

xa⊕x3 xb⊕x4 xc⊕ye y6⊕yf y7⊕y0 y8⊕y1 y9⊕y2 ya⊕y3
yb⊕y4 yc⊕y5 yd⊕xd x5⊕xe x6⊕xf x7⊕x0 x8⊕x1 x9⊕x2   Z

----

wt(X) = 11   wt(Y) = 11

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

xa xb xc y5 y6 y7 y8 y9
ya yb yc x5 x6 x7 x8 x9   X″

x2 x3 x4 yd ye yf y0 y1
y2 y3 y4 xd xe xf x0 x1   Y″

xa⊕x2 xb⊕x3 xc⊕x4 y5⊕yd y6⊕ye y7⊕yf y8⊕y0 y9⊕y1
ya⊕y2 yb⊕y3 yc⊕y4 x5⊕xd x6⊕xe x7⊕xf x8⊕x0 x9⊕x1   Z

----

wt(X) = 11   wt(Y) = 12

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

xa xb xc y4 y5 y6 y7 y8
y9 ya yb x5 x6 x7 x8 x9   X″

x1 x2 x3 x4 yc yd ye yf
y0 y1 y2 y3 xd xe xf x0   Y″

xa⊕x1 xb⊕x2 xc⊕x3 y4⊕x4 y5⊕yc y6⊕yd y7⊕ye y8⊕yf
y9⊕y0 ya⊕y1 yb⊕y2 x5⊕y3 x6⊕xd x7⊕xe x8⊕xf x9⊕x0   Z

----

wt(X) = 11   wt(Y) = 13

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

xa xb xc y3 y4 y5 y6 y7
y8 y9 ya x5 x6 x7 x8 x9   X″

x0 x1 x2 x3 x4 yb yc yd
ye yf y0 y1 y2 xd xe xf   Y″

xa⊕x0 xb⊕x1 xc⊕x2 y3⊕x3 y4⊕x4 y5⊕yb y6⊕yc y7⊕yd
y8⊕ye y9⊕yf ya⊕y0 x5⊕y1 x6⊕y2 x7⊕xd x8⊕xe x9⊕xf   Z

----

wt(X) = 11   wt(Y) = 14

x5 x6 x7 x8 x9 xa xb xc   X1

xd xe xf x0 x1 x2 x3 x4   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

xa xb xc y2 y3 y4 y5 y6
y7 y8 y9 x5 x6 x7 x8 x9   X″

xf x0 x1 x2 x3 x4 ya yb
yc yd ye yf y0 y1 xd xe   Y″

xa⊕xf xb⊕x0 xc⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕ya y6⊕yb
y7⊕yc y8⊕yd y9⊕ye x5⊕yf x6⊕y0 x7⊕y1 x8⊕xd x9⊕xe   Z

----

wt(X) = 11   wt(Y) = 15

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

xa xb xc y1 y2 y3 y4 y5
y6 y7 y8 x5 x6 x7 x8 x9   X″

xe xf x0 x1 x2 x3 x4 y9
ya yb yc yd ye yf y0 xd   Y″

xa⊕xe xb⊕xf xc⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4 y5⊕y9
y6⊕ya y7⊕yb y8⊕yc x5⊕yd x6⊕ye x7⊕yf x8⊕y0 x9⊕xd   Z

----

wt(X) = 11   wt(Y) = 16

x5 x6 x7 x8 x9 xa xb xc   X1
xd xe xf x0 x1 x2 x3 x4   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1

y8 y9 ya yb yc yd ye yf   Y2

xa xb xc y0 y1 y2 y3 y4
y5 y6 y7 x5 x6 x7 x8 x9   X″

xd xe xf x0 x1 x2 x3 x4
y8 y9 ya yb yc yd ye yf   Y″

xa⊕xd xb⊕xe xc⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕x4
y5⊕y8 y6⊕y9 y7⊕ya x5⊕yb x6⊕yc x7⊕yd x8⊕ye x9⊕yf   Z

----

wt(X) = 12   wt(Y) = 0

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x8 x9 xa xb y0 y1 y2 y3
y4 y5 y6 y7 x4 x5 x6 x7   X″

xc xd xe xf x0 x1 x2 x3
y8 y9 ya yb yc yd ye yf   Y″

x8⊕xc x9⊕xd xa⊕xe xb⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
y4⊕y8 y5⊕y9 y6⊕ya y7⊕yb x4⊕yc x5⊕yd x6⊕ye x7⊕yf   Z

----

wt(X) = 12   wt(Y) = 1

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x8 x9 xa xb yf y0 y1 y2

y3 y4 y5 y6 x4 x5 x6 x7   X″

ye xc xd xe xf x0 x1 x2
x3 y7 y8 y9 ya yb yc yd   Y″

x8⊕ye x9⊕xc xa⊕xd xb⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕x3 y4⊕y7 y5⊕y8 y6⊕y9 x4⊕ya x5⊕yb x6⊕yc x7⊕yd   Z

----

wt(X) = 12   wt(Y) = 2

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x8 x9 xa xb ye yf y0 y1
y2 y3 y4 y5 x4 x5 x6 x7   X″

yc yd xc xd xe xf x0 x1
x2 x3 y6 y7 y8 y9 ya yb   Y″

x8⊕yc x9⊕yd xa⊕xc xb⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1
y2⊕x2 y3⊕x3 y4⊕y6 y5⊕y7 x4⊕y8 x5⊕y9 x6⊕ya x7⊕yb   Z

----

wt(X) = 12   wt(Y) = 3

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x8 x9 xa xb yd ye yf y0
y1 y2 y3 y4 x4 x5 x6 x7   X″

ya yb yc xc xd xe xf x0

x1 x2 x3 y5 y6 y7 y8 y9   Y″

x8⊕ya x9⊕yb xa⊕yc xb⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0
y1⊕x1 y2⊕x2 y3⊕x3 y4⊕y5 x4⊕y6 x5⊕y7 x6⊕y8 x7⊕y9   Z

----

wt(X) = 12   wt(Y) = 4

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x8 x9 xa xb yc yd ye yf
y0 y1 y2 y3 x4 x5 x6 x7   X″

y8 y9 ya yb xc xd xe xf
x0 x1 x2 x3 y4 y5 y6 y7   Y″

x8⊕y8 x9⊕y9 xa⊕ya xb⊕yb yc⊕xc yd⊕xd ye⊕xe yf⊕xf
y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 x4⊕y4 x5⊕y5 x6⊕y6 x7⊕y7   Z

----

wt(X) = 12   wt(Y) = 5

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x8 x9 xa xb yb yc yd ye
yf y0 y1 y2 x4 x5 x6 x7   X″

y6 y7 y8 y9 ya xc xd xe
xf x0 x1 x2 x3 y3 y4 y5   Y″

x8⊕y6 x9⊕y7 xa⊕y8 xb⊕y9 yb⊕ya yc⊕xc yd⊕xd ye⊕xe
yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 x4⊕x3 x5⊕y3 x6⊕y4 x7⊕y5   Z

----

wt(X) = 12   wt(Y) = 6

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

x8 x9 xa xb ya yb yc yd
ye yf y0 y1 x4 x5 x6 x7   X″

y4 y5 y6 y7 y8 y9 xc xd
xe xf x0 x1 x2 x3 y2 y3   Y″

x8⊕y4 x9⊕y5 xa⊕y6 xb⊕y7 ya⊕y8 yb⊕y9 yc⊕xc yd⊕xd
ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 x4⊕x2 x5⊕x3 x6⊕y2 x7⊕y3   Z

----

wt(X) = 12   wt(Y) = 7

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x8 x9 xa xb y9 ya yb yc
yd ye yf y0 x4 x5 x6 x7   X″

y2 y3 y4 y5 y6 y7 y8 xc
xd xe xf x0 x1 x2 x3 y1   Y″

x8⊕y2 x9⊕y3 xa⊕y4 xb⊕y5 y9⊕y6 ya⊕y7 yb⊕y8 yc⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕x0 x4⊕x1 x5⊕x2 x6⊕x3 x7⊕y1   Z

----

wt(X) = 12   wt(Y) = 8

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

x8 x9 xa xb y8 y9 ya yb
yc yd ye yf x4 x5 x6 x7   X″

y0 y1 y2 y3 y4 y5 y6 y7
xc xd xe xf x0 x1 x2 x3   Y″

x8⊕y0 x9⊕y1 xa⊕y2 xb⊕y3 y8⊕y4 y9⊕y5 ya⊕y6 yb⊕y7
yc⊕xc yd⊕xd ye⊕xe yf⊕xf x4⊕x0 x5⊕x1 x6⊕x2 x7⊕x3   Z

----

wt(X) = 12   wt(Y) = 9

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x8 x9 xa xb y7 y8 y9 ya
yb yc yd ye x4 x5 x6 x7   X″

x3 yf y0 y1 y2 y3 y4 y5
y6 xc xd xe xf x0 x1 x2   Y″

x8⊕x3 x9⊕yf xa⊕y0 xb⊕y1 y7⊕y2 y8⊕y3 y9⊕y4 ya⊕y5
yb⊕y6 yc⊕xc yd⊕xd ye⊕xe x4⊕xf x5⊕x0 x6⊕x1 x7⊕x2   Z

----

wt(X) = 12   wt(Y) = 10

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

x8 x9 xa xb y6 y7 y8 y9
ya yb yc yd x4 x5 x6 x7   X″

x2 x3 ye yf y0 y1 y2 y3
y4 y5 xc xd xe xf x0 x1   Y″

x8⊕x2 x9⊕x3 xa⊕ye xb⊕yf y6⊕y0 y7⊕y1 y8⊕y2 y9⊕y3
ya⊕y4 yb⊕y5 yc⊕xc yd⊕xd x4⊕xe x5⊕xf x6⊕x0 x7⊕x1   Z

----

wt(X) = 12   wt(Y) = 11

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

x8 x9 xa xb y5 y6 y7 y8
y9 ya yb yc x4 x5 x6 x7   X″

x1 x2 x3 yd ye yf y0 y1
y2 y3 y4 xc xd xe xf x0   Y″

x8⊕x1 x9⊕x2 xa⊕x3 xb⊕yd y5⊕ye y6⊕yf y7⊕y0 y8⊕y1
y9⊕y2 ya⊕y3 yb⊕y4 yc⊕xc x4⊕xd x5⊕xe x6⊕xf x7⊕x0   Z

----

wt(X) = 12   wt(Y) = 12

x4 x5 x6 x7 x8 x9 xa xb   X1

xc xd xe xf x0 x1 x2 x3   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

x8 x9 xa xb y4 y5 y6 y7
y8 y9 ya yb x4 x5 x6 x7   X″

x0 x1 x2 x3 yc yd ye yf
y0 y1 y2 y3 xc xd xe xf   Y″

x8⊕x0 x9⊕x1 xa⊕x2 xb⊕x3 y4⊕yc y5⊕yd y6⊕ye y7⊕yf
y8⊕y0 y9⊕y1 ya⊕y2 yb⊕y3 x4⊕xc x5⊕xd x6⊕xe x7⊕xf   Z

----

wt(X) = 12   wt(Y) = 13

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

x8 x9 xa xb y3 y4 y5 y6
y7 y8 y9 ya x4 x5 x6 x7   X″

xf x0 x1 x2 x3 yb yc yd
ye yf y0 y1 y2 xc xd xe   Y″

x8⊕xf x9⊕x0 xa⊕x1 xb⊕x2 y3⊕x3 y4⊕yb y5⊕yc y6⊕yd
y7⊕ye y8⊕yf y9⊕y0 ya⊕y1 x4⊕y2 x5⊕xc x6⊕xd x7⊕xe   Z

----

wt(X) = 12   wt(Y) = 14

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1

ya yb yc yd ye yf y0 y1   Y2

x8 x9 xa xb y2 y3 y4 y5
y6 y7 y8 y9 x4 x5 x6 x7   X″

xe xf x0 x1 x2 x3 ya yb
yc yd ye yf y0 y1 xc xd   Y″

x8⊕xe x9⊕xf xa⊕x0 xb⊕x1 y2⊕x2 y3⊕x3 y4⊕ya y5⊕yb
y6⊕yc y7⊕yd y8⊕ye y9⊕yf x4⊕y0 x5⊕y1 x6⊕xc x7⊕xd   Z

----

wt(X) = 12   wt(Y) = 15

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

x8 x9 xa xb y1 y2 y3 y4
y5 y6 y7 y8 x4 x5 x6 x7   X″

xd xe xf x0 x1 x2 x3 y9
ya yb yc yd ye yf y0 xc   Y″

x8⊕xd x9⊕xe xa⊕xf xb⊕x0 y1⊕x1 y2⊕x2 y3⊕x3 y4⊕y9
y5⊕ya y6⊕yb y7⊕yc y8⊕yd x4⊕ye x5⊕yf x6⊕y0 x7⊕xc   Z

----

wt(X) = 12   wt(Y) = 16

x4 x5 x6 x7 x8 x9 xa xb   X1
xc xd xe xf x0 x1 x2 x3   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x8 x9 xa xb y0 y1 y2 y3

y4 y5 y6 y7 x4 x5 x6 x7   X″

xc xd xe xf x0 x1 x2 x3
y8 y9 ya yb yc yd ye yf   Y″

x8⊕xc x9⊕xd xa⊕xe xb⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕x3
y4⊕y8 y5⊕y9 y6⊕ya y7⊕yb x4⊕yc x5⊕yd x6⊕ye x7⊕yf   Z

----

wt(X) = 13   wt(Y) = 0

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x6 x7 x8 x9 xa y0 y1 y2
y3 y4 y5 y6 y7 x3 x4 x5   X″

xb xc xd xe xf x0 x1 x2
y8 y9 ya yb yc yd ye yf   Y″

x6⊕xb x7⊕xc x8⊕xd x9⊕xe xa⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕y8 y4⊕y9 y5⊕ya y6⊕yb y7⊕yc x3⊕yd x4⊕ye x5⊕yf   Z

----

wt(X) = 13   wt(Y) = 1

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x6 x7 x8 x9 xa yf y0 y1
y2 y3 y4 y5 y6 x3 x4 x5   X″

ye xb xc xd xe xf x0 x1

x2 y7 y8 y9 ya yb yc yd   Y″

x6⊕ye x7⊕xb x8⊕xc x9⊕xd xa⊕xe yf⊕xf y0⊕x0 y1⊕x1
y2⊕x2 y3⊕y7 y4⊕y8 y5⊕y9 y6⊕ya x3⊕yb x4⊕yc x5⊕yd   Z

----

wt(X) = 13   wt(Y) = 2

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x6 x7 x8 x9 xa ye yf y0
y1 y2 y3 y4 y5 x3 x4 x5   X″

yc yd xb xc xd xe xf x0
x1 x2 y6 y7 y8 y9 ya yb   Y″

x6⊕yc x7⊕yd x8⊕xb x9⊕xc xa⊕xd ye⊕xe yf⊕xf y0⊕x0
y1⊕x1 y2⊕x2 y3⊕y6 y4⊕y7 y5⊕y8 x3⊕y9 x4⊕ya x5⊕yb   Z

----

wt(X) = 13   wt(Y) = 3

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x6 x7 x8 x9 xa yd ye yf
y0 y1 y2 y3 y4 x3 x4 x5   X″

ya yb yc xb xc xd xe xf
x0 x1 x2 y5 y6 y7 y8 y9   Y″

x6⊕ya x7⊕yb x8⊕yc x9⊕xb xa⊕xc yd⊕xd ye⊕xe yf⊕xf
y0⊕x0 y1⊕x1 y2⊕x2 y3⊕y5 y4⊕y6 x3⊕y7 x4⊕y8 x5⊕y9   Z

----

wt(X) = 13   wt(Y) = 4

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x6 x7 x8 x9 xa yc yd ye
yf y0 y1 y2 y3 x3 x4 x5   X″

y8 y9 ya yb xb xc xd xe
xf x0 x1 x2 y4 y5 y6 y7   Y″

x6⊕y8 x7⊕y9 x8⊕ya x9⊕yb xa⊕xb yc⊕xc yd⊕xd ye⊕xe
yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 y3⊕y4 x3⊕y5 x4⊕y6 x5⊕y7   Z

----

wt(X) = 13   wt(Y) = 5

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x6 x7 x8 x9 xa yb yc yd
ye yf y0 y1 y2 x3 x4 x5   X″

y6 y7 y8 y9 ya xb xc xd
xe xf x0 x1 x2 y3 y4 y5   Y″

x6⊕y6 x7⊕y7 x8⊕y8 x9⊕y9 xa⊕ya yb⊕xb yc⊕xc yd⊕xd
ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕x2 x3⊕y3 x4⊕y4 x5⊕y5   Z

----

wt(X) = 13   wt(Y) = 6

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

x6 x7 x8 x9 xa ya yb yc
yd ye yf y0 y1 x3 x4 x5   X″

y4 y5 y6 y7 y8 y9 xb xc
xd xe xf x0 x1 x2 y2 y3   Y″

x6⊕y4 x7⊕y5 x8⊕y6 x9⊕y7 xa⊕y8 ya⊕y9 yb⊕xb yc⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 x3⊕x2 x4⊕y2 x5⊕y3   Z

----

wt(X) = 13   wt(Y) = 7

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x6 x7 x8 x9 xa y9 ya yb
yc yd ye yf y0 x3 x4 x5   X″

y2 y3 y4 y5 y6 y7 y8 xb
xc xd xe xf x0 x1 x2 y1   Y″

x6⊕y2 x7⊕y3 x8⊕y4 x9⊕y5 xa⊕y6 y9⊕y7 ya⊕y8 yb⊕xb
yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 x3⊕x1 x4⊕x2 x5⊕y1   Z

----

wt(X) = 13   wt(Y) = 8

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

x6 x7 x8 x9 xa y8 y9 ya
yb yc yd ye yf x3 x4 x5   X″

y0 y1 y2 y3 y4 y5 y6 y7
xb xc xd xe xf x0 x1 x2   Y″

x6⊕y0 x7⊕y1 x8⊕y2 x9⊕y3 xa⊕y4 y8⊕y5 y9⊕y6 ya⊕y7
yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf x3⊕x0 x4⊕x1 x5⊕x2   Z

----

wt(X) = 13   wt(Y) = 9

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x6 x7 x8 x9 xa y7 y8 y9
ya yb yc yd ye x3 x4 x5   X″

x2 yf y0 y1 y2 y3 y4 y5
y6 xb xc xd xe xf x0 x1   Y″

x6⊕x2 x7⊕yf x8⊕y0 x9⊕y1 xa⊕y2 y7⊕y3 y8⊕y4 y9⊕y5
ya⊕y6 yb⊕xb yc⊕xc yd⊕xd ye⊕xe x3⊕xf x4⊕x0 x5⊕x1   Z

----

wt(X) = 13   wt(Y) = 10

x3 x4 x5 x6 x7 x8 x9 xa   X1

xb xc xd xe xf x0 x1 x2   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

x6 x7 x8 x9 xa y6 y7 y8
y9 ya yb yc yd x3 x4 x5   X″

x1 x2 ye yf y0 y1 y2 y3
y4 y5 xb xc xd xe xf x0   Y″

x6⊕x1 x7⊕x2 x8⊕ye x9⊕yf xa⊕y0 y6⊕y1 y7⊕y2 y8⊕y3
y9⊕y4 ya⊕y5 yb⊕xb yc⊕xc yd⊕xd x3⊕xe x4⊕xf x5⊕x0   Z

----

wt(X) = 13   wt(Y) = 11

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

x6 x7 x8 x9 xa y5 y6 y7
y8 y9 ya yb yc x3 x4 x5   X″

x0 x1 x2 yd ye yf y0 y1
y2 y3 y4 xb xc xd xe xf   Y″

x6⊕x0 x7⊕x1 x8⊕x2 x9⊕yd xa⊕ye y5⊕yf y6⊕y0 y7⊕y1
y8⊕y2 y9⊕y3 ya⊕y4 yb⊕xb yc⊕xc x3⊕xd x4⊕xe x5⊕xf   Z

----

wt(X) = 13   wt(Y) = 12

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1

yc yd ye yf y0 y1 y2 y3   Y2

x6 x7 x8 x9 xa y4 y5 y6
y7 y8 y9 ya yb x3 x4 x5   X″

xf x0 x1 x2 yc yd ye yf
y0 y1 y2 y3 xb xc xd xe   Y″

x6⊕xf x7⊕x0 x8⊕x1 x9⊕x2 xa⊕yc y4⊕yd y5⊕ye y6⊕yf
y7⊕y0 y8⊕y1 y9⊕y2 ya⊕y3 yb⊕xb x3⊕xc x4⊕xd x5⊕xe   Z

----

wt(X) = 13   wt(Y) = 13

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

x6 x7 x8 x9 xa y3 y4 y5
y6 y7 y8 y9 ya x3 x4 x5   X″

xe xf x0 x1 x2 yb yc yd
ye yf y0 y1 y2 xb xc xd   Y″

x6⊕xe x7⊕xf x8⊕x0 x9⊕x1 xa⊕x2 y3⊕yb y4⊕yc y5⊕yd
y6⊕ye y7⊕yf y8⊕y0 y9⊕y1 ya⊕y2 x3⊕xb x4⊕xc x5⊕xd   Z

----

wt(X) = 13   wt(Y) = 14

x3 x4 x5 x6 x7 x8 x9 xa   X1
xb xc xd xe xf x0 x1 x2   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

x6 x7 x8 x9 xa y2 y3 y4

y5 y6 y7 y8 y9 x3 x4 x5 X″

xd xe xf x0 x1 x2 ya yb
yc yd ye yf y0 y1 xb xc Y″

x6⊕xd x7⊕xe x8⊕xf x9⊕x0 xa⊕x1 y2⊕x2 y3⊕ya y4⊕yb
y5⊕yc y6⊕yd y7⊕ye y8⊕yf y9⊕y0 x3⊕y1 x4⊕xb x5⊕xc Z

----

wt(X) = 13 wt(Y) = 15

x3 x4 x5 x6 x7 x8 x9 xa X1
xb xc xd xe xf x0 x1 x2 X2

y1 y2 y3 y4 y5 y6 y7 y8 Y1
y9 ya yb yc yd ye yf y0 Y2

x6 x7 x8 x9 xa y1 y2 y3
y4 y5 y6 y7 y8 x3 x4 x5 X″

xc xd xe xf x0 x1 x2 y9
ya yb yc yd ye yf y0 xb Y″

x6⊕xc x7⊕xd x8⊕xe x9⊕xf xa⊕x0 y1⊕x1 y2⊕x2 y3⊕y9
y4⊕ya y5⊕yb y6⊕yc y7⊕yd y8⊕ye x3⊕yf x4⊕y0 x5⊕xb Z

----

wt(X) = 13 wt(Y) = 16

x3 x4 x5 x6 x7 x8 x9 xa X1
xb xc xd xe xf x0 x1 x2 X2

y0 y1 y2 y3 y4 y5 y6 y7 Y1
y8 y9 ya yb yc yd ye yf Y2

x6 x7 x8 x9 xa y0 y1 y2
y3 y4 y5 y6 y7 x3 x4 x5 X″

xb xc xd xe xf x0 x1 x2

y8 y9 ya yb yc yd ye yf   Y″

x6⊕xb x7⊕xc x8⊕xd x9⊕xe xa⊕xf y0⊕x0 y1⊕x1 y2⊕x2
y3⊕y8 y4⊕y9 y5⊕ya y6⊕yb y7⊕yc x3⊕yd x4⊕ye x5⊕yf   Z

----

wt(X) = 14   wt(Y) = 0

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x4 x5 x6 x7 x8 x9 y0 y1
y2 y3 y4 y5 y6 y7 x2 x3   X″

xa xb xc xd xe xf x0 x1
y8 y9 ya yb yc yd ye yf   Y″

x4⊕xa x5⊕xb x6⊕xc x7⊕xd x8⊕xe x9⊕xf y0⊕x0 y1⊕x1
y2⊕y8 y3⊕y9 y4⊕ya y5⊕yb y6⊕yc y7⊕yd x2⊕ye x3⊕yf   Z

----

wt(X) = 14   wt(Y) = 1

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x4 x5 x6 x7 x8 x9 yf y0
y1 y2 y3 y4 y5 y6 x2 x3   X″

ye xa xb xc xd xe xf x0
x1 y7 y8 y9 ya yb yc yd   Y″

x4⊕ye x5⊕xa x6⊕xb x7⊕xc x8⊕xd x9⊕xe yf⊕xf y0⊕x0
y1⊕x1 y2⊕y7 y3⊕y8 y4⊕y9 y5⊕ya y6⊕yb x2⊕yc x3⊕yd   Z

----

wt(X) = 14   wt(Y) = 2

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x4 x5 x6 x7 x8 x9 ye yf
y0 y1 y2 y3 y4 y5 x2 x3   X″

yc yd xa xb xc xd xe xf
x0 x1 y6 y7 y8 y9 ya yb   Y″

x4⊕yc x5⊕yd x6⊕xa x7⊕xb x8⊕xc x9⊕xd ye⊕xe yf⊕xf
y0⊕x0 y1⊕x1 y2⊕y6 y3⊕y7 y4⊕y8 y5⊕y9 x2⊕ya x3⊕yb   Z

----

wt(X) = 14   wt(Y) = 3

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x4 x5 x6 x7 x8 x9 yd ye
yf y0 y1 y2 y3 y4 x2 x3   X″

ya yb yc xa xb xc xd xe
xf x0 x1 y5 y6 y7 y8 y9   Y″

x4⊕ya x5⊕yb x6⊕yc x7⊕xa x8⊕xb x9⊕xc yd⊕xd ye⊕xe
yf⊕xf y0⊕x0 y1⊕x1 y2⊕y5 y3⊕y6 y4⊕y7 x2⊕y8 x3⊕y9   Z

----

wt(X) = 14   wt(Y) = 4

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x4 x5 x6 x7 x8 x9 yc yd
ye yf y0 y1 y2 y3 x2 x3   X″

y8 y9 ya yb xa xb xc xd
xe xf x0 x1 y4 y5 y6 y7   Y″

x4⊕y8 x5⊕y9 x6⊕ya x7⊕yb x8⊕xa x9⊕xb yc⊕xc yd⊕xd
ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕y4 y3⊕y5 x2⊕y6 x3⊕y7   Z

----

wt(X) = 14   wt(Y) = 5

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x4 x5 x6 x7 x8 x9 yb yc
yd ye yf y0 y1 y2 x2 x3   X″

y6 y7 y8 y9 ya xa xb xc
xd xe xf x0 x1 y3 y4 y5   Y″

x4⊕y6 x5⊕y7 x6⊕y8 x7⊕y9 x8⊕ya x9⊕xa yb⊕xb yc⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 y2⊕y3 x2⊕y4 x3⊕y5   Z

----

wt(X) = 14   wt(Y) = 6

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

x4 x5 x6 x7 x8 x9 ya yb
yc yd ye yf y0 y1 x2 x3   X″

y4 y5 y6 y7 y8 y9 xa xb
xc xd xe xf x0 x1 y2 y3   Y″

x4⊕y4 x5⊕y5 x6⊕y6 x7⊕y7 x8⊕y8 x9⊕y9 ya⊕xa yb⊕xb
yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕x1 x2⊕y2 x3⊕y3   Z

----

wt(X) = 14   wt(Y) = 7

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x4 x5 x6 x7 x8 x9 y9 ya
yb yc yd ye yf y0 x2 x3   X″

y2 y3 y4 y5 y6 y7 y8 xa
xb xc xd xe xf x0 x1 y1   Y″

x4⊕y2 x5⊕y3 x6⊕y4 x7⊕y5 x8⊕y6 x9⊕y7 y9⊕y8 ya⊕xa
yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 x2⊕x1 x3⊕y1   Z

----

wt(X) = 14   wt(Y) = 8

x2 x3 x4 x5 x6 x7 x8 x9   X1

xa xb xc xd xe xf x0 x1   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

x4 x5 x6 x7 x8 x9 y8 y9
ya yb yc yd ye yf x2 x3   X″

y0 y1 y2 y3 y4 y5 y6 y7
xa xb xc xd xe xf x0 x1   Y″

x4⊕y0 x5⊕y1 x6⊕y2 x7⊕y3 x8⊕y4 x9⊕y5 y8⊕y6 y9⊕y7
ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf x2⊕x0 x3⊕x1   Z

----

wt(X) = 14   wt(Y) = 9

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x4 x5 x6 x7 x8 x9 y7 y8
y9 ya yb yc yd ye x2 x3   X″

x1 yf y0 y1 y2 y3 y4 y5
y6 xa xb xc xd xe xf x0   Y″

x4⊕x1 x5⊕yf x6⊕y0 x7⊕y1 x8⊕y2 x9⊕y3 y7⊕y4 y8⊕y5
y9⊕y6 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe x2⊕xf x3⊕x0   Z

----

wt(X) = 14   wt(Y) = 10

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y6 y7 y8 y9 ya yb yc yd   Y1

ye yf y0 y1 y2 y3 y4 y5　　　Y2

x4 x5 x6 x7 x8 x9 y6 y7
y8 y9 ya yb yc yd x2 x3　　　X″

x0 x1 ye yf y0 y1 y2 y3
y4 y5 xa xb xc xd xe xf　　　Y″

x4⊕x0 x5⊕x1 x6⊕ye x7⊕yf x8⊕y0 x9⊕y1 y6⊕y2 y7⊕y3
y8⊕y4 y9⊕y5 ya⊕xa yb⊕xb yc⊕xc yd⊕xd x2⊕xe x3⊕xf　　　Z

----

wt(X) = 14　　wt(Y) = 11

x2 x3 x4 x5 x6 x7 x8 x9　　　X1
xa xb xc xd xe xf x0 x1　　　X2

y5 y6 y7 y8 y9 ya yb yc　　　Y1
yd ye yf y0 y1 y2 y3 y4　　　Y2

x4 x5 x6 x7 x8 x9 y5 y6
y7 y8 y9 ya yb yc x2 x3　　　X″

xf x0 x1 yd ye yf y0 y1
y2 y3 y4 xa xb xc xd xe　　　Y″

x4⊕xf x5⊕x0 x6⊕x1 x7⊕yd x8⊕ye x9⊕yf y5⊕y0 y6⊕y1
y7⊕y2 y8⊕y3 y9⊕y4 ya⊕xa yb⊕xb yc⊕xc x2⊕xd x3⊕xe　　　Z

----

wt(X) = 14　　wt(Y) = 12

x2 x3 x4 x5 x6 x7 x8 x9　　　X1
xa xb xc xd xe xf x0 x1　　　X2

y4 y5 y6 y7 y8 y9 ya yb　　　Y1
yc yd ye yf y0 y1 y2 y3　　　Y2

x4 x5 x6 x7 x8 x9 y4 y5

y6 y7 y8 y9 ya yb x2 x3   X″

xe xf x0 x1 yc yd ye yf
y0 y1 y2 y3 xa xb xc xd   Y″

x4⊕xe x5⊕xf x6⊕x0 x7⊕x1 x8⊕yc x9⊕yd y4⊕ye y5⊕yf
y6⊕y0 y7⊕y1 y8⊕y2 y9⊕y3 ya⊕xa yb⊕xb x2⊕xc x3⊕xd   Z

----

wt(X) = 14   wt(Y) = 13

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

x4 x5 x6 x7 x8 x9 y3 y4
y5 y6 y7 y8 y9 ya x2 x3   X″

xd xe xf x0 x1 yb yc yd
ye yf y0 y1 y2 xa xb xc   Y″

x4⊕xd x5⊕xe x6⊕xf x7⊕x0 x8⊕x1 x9⊕yb y3⊕yc y4⊕yd
y5⊕ye y6⊕yf y7⊕y0 y8⊕y1 y9⊕y2 ya⊕xa x2⊕xb x3⊕xc   Z

----

wt(X) = 14   wt(Y) = 14

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

x4 x5 x6 x7 x8 x9 y2 y3
y4 y5 y6 y7 y8 y9 x2 x3   X″

xc xd xe xf x0 x1 ya yb

yc yd ye yf y0 y1 xa xb   Y″

x4⊕xc x5⊕xd x6⊕xe x7⊕xf x8⊕x0 x9⊕x1 y2⊕ya y3⊕yb
y4⊕yc y5⊕yd y6⊕ye y7⊕yf y8⊕y0 y9⊕y1 x2⊕xa x3⊕xb   Z

----

wt(X) = 14   wt(Y) = 15

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

x4 x5 x6 x7 x8 x9 y1 y2
y3 y4 y5 y6 y7 y8 x2 x3   X″

xb xc xd xe xf x0 x1 y9
ya yb yc yd ye yf y0 xa   Y″

x4⊕xb x5⊕xc x6⊕xd x7⊕xe x8⊕xf x9⊕x0 y1⊕x1 y2⊕y9
y3⊕ya y4⊕yb y5⊕yc y6⊕yd y7⊕ye y8⊕yf x2⊕y0 x3⊕xa   Z

----

wt(X) = 14   wt(Y) = 16

x2 x3 x4 x5 x6 x7 x8 x9   X1
xa xb xc xd xe xf x0 x1   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x4 x5 x6 x7 x8 x9 y0 y1
y2 y3 y4 y5 y6 y7 x2 x3   X″

xa xb xc xd xe xf x0 x1
y8 y9 ya yb yc yd ye yf   Y″

x4⊕xa x5⊕xb x6⊕xc x7⊕xd x8⊕xe x9⊕xf y0⊕x0 y1⊕x1
y2⊕y8 y3⊕y9 y4⊕ya y5⊕yb y6⊕yc y7⊕yd x2⊕ye x3⊕yf   Z

----

wt(X) = 15   wt(Y) = 0

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x2 x3 x4 x5 x6 x7 x8 y0
y1 y2 y3 y4 y5 y6 y7 x1   X″

x9 xa xb xc xd xe xf x0
y8 y9 ya yb yc yd ye yf   Y″

x2⊕x9 x3⊕xa x4⊕xb x5⊕xc x6⊕xd x7⊕xe x8⊕xf y0⊕x0
y1⊕y8 y2⊕y9 y3⊕ya y4⊕yb y5⊕yc y6⊕yd y7⊕ye x1⊕yf   Z

----

wt(X) = 15   wt(Y) = 1

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x2 x3 x4 x5 x6 x7 x8 yf
y0 y1 y2 y3 y4 y5 y6 x1   X″

ye x9 xa xb xc xd xe xf
x0 y7 y8 y9 ya yb yc yd   Y″

x2⊕ye x3⊕x9 x4⊕xa x5⊕xb x6⊕xc x7⊕xd x8⊕xe yf⊕xf
y0⊕x0 y1⊕y7 y2⊕y8 y3⊕y9 y4⊕ya y5⊕yb y6⊕yc x1⊕yd   Z

----

wt(X) = 15   wt(Y) = 2

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x2 x3 x4 x5 x6 x7 x8 ye
yf y0 y1 y2 y3 y4 y5 x1   X″

yc yd x9 xa xb xc xd xe
xf x0 y6 y7 y8 y9 ya yb   Y″

x2⊕yc x3⊕yd x4⊕x9 x5⊕xa x6⊕xb x7⊕xc x8⊕xd ye⊕xe
yf⊕xf y0⊕x0 y1⊕y6 y2⊕y7 y3⊕y8 y4⊕y9 y5⊕ya x1⊕yb   Z

----

wt(X) = 15   wt(Y) = 3

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x2 x3 x4 x5 x6 x7 x8 yd
ye yf y0 y1 y2 y3 y4 x1   X″

ya yb yc x9 xa xb xc xd
xe xf x0 y5 y6 y7 y8 y9   Y″

x2⊕ya x3⊕yb x4⊕yc x5⊕x9 x6⊕xa x7⊕xb x8⊕xc yd⊕xd
ye⊕xe yf⊕xf y0⊕x0 y1⊕y5 y2⊕y6 y3⊕y7 y4⊕y8 x1⊕y9   Z

----

wt(X) = 15   wt(Y) = 4

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x2 x3 x4 x5 x6 x7 x8 yc
yd ye yf y0 y1 y2 y3 x1   X″

y8 y9 ya yb x9 xa xb xc
xd xe xf x0 y4 y5 y6 y7   Y″

x2⊕y8 x3⊕y9 x4⊕ya x5⊕yb x6⊕x9 x7⊕xa x8⊕xb yc⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕y4 y2⊕y5 y3⊕y6 x1⊕y7   Z

----

wt(X) = 15   wt(Y) = 5

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x2 x3 x4 x5 x6 x7 x8 yb
yc yd ye yf y0 y1 y2 x1   X″

y6 y7 y8 y9 ya x9 xa xb
xc xd xe xf x0 y3 y4 y5   Y″

x2⊕y6 x3⊕y7 x4⊕y8 x5⊕y9 x6⊕ya x7⊕x9 x8⊕xa yb⊕xb
yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕y3 y2⊕y4 x1⊕y5   Z

----

wt(X) = 15   wt(Y) = 6

x1 x2 x3 x4 x5 x6 x7 x8   X1

x9 xa xb xc xd xe xf x0   X2

ya yb yc yd ye yf y0 y1   Y1
y2 y3 y4 y5 y6 y7 y8 y9   Y2

x2 x3 x4 x5 x6 x7 x8 ya
yb yc yd ye yf y0 y1 x1   X″

y4 y5 y6 y7 y8 y9 x9 xa
xb xc xd xe xf x0 y2 y3   Y″

x2⊕y4 x3⊕y5 x4⊕y6 x5⊕y7 x6⊕y8 x7⊕y9 x8⊕x9 ya⊕xa
yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 y1⊕y2 x1⊕y3   Z

----

wt(X) = 15   wt(Y) = 7

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x2 x3 x4 x5 x6 x7 x8 y9
ya yb yc yd ye yf y0 x1   X″

y2 y3 y4 y5 y6 y7 y8 x9
xa xb xc xd xe xf x0 y1   Y″

x2⊕y2 x3⊕y3 x4⊕y4 x5⊕y5 x6⊕y6 x7⊕y7 x8⊕y8 y9⊕x9
ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕x0 x1⊕y1   Z

----

wt(X) = 15   wt(Y) = 8

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y8 y9 ya yb yc yd ye yf   Y1

y0 y1 y2 y3 y4 y5 y6 y7   Y2

x2 x3 x4 x5 x6 x7 x8 y8
y9 ya yb yc yd ye yf x1   X″

y0 y1 y2 y3 y4 y5 y6 y7
x9 xa xb xc xd xe xf x0   Y″

x2⊕y0 x3⊕y1 x4⊕y2 x5⊕y3 x6⊕y4 x7⊕y5 x8⊕y6 y8⊕y7
y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf x1⊕x0   Z

----

wt(X) = 15   wt(Y) = 9

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x2 x3 x4 x5 x6 x7 x8 y7
y8 y9 ya yb yc yd ye x1   X″

x0 yf y0 y1 y2 y3 y4 y5
y6 x9 xa xb xc xd xe xf   Y″

x2⊕x0 x3⊕yf x4⊕y0 x5⊕y1 x6⊕y2 x7⊕y3 x8⊕y4 y7⊕y5
y8⊕y6 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe x1⊕xf   Z

----

wt(X) = 15   wt(Y) = 10

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

x2 x3 x4 x5 x6 x7 x8 y6

y7 y8 y9 ya yb yc yd x1   X″

xf x0 ye yf y0 y1 y2 y3
y4 y5 x9 xa xb xc xd xe   Y″

x2⊕xf x3⊕x0 x4⊕ye x5⊕yf x6⊕y0 x7⊕y1 x8⊕y2 y6⊕y3
y7⊕y4 y8⊕y5 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd x1⊕xe   Z

----

wt(X) = 15   wt(Y) = 11

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

x2 x3 x4 x5 x6 x7 x8 y5
y6 y7 y8 y9 ya yb yc x1   X″

xe xf x0 yd ye yf y0 y1
y2 y3 y4 x9 xa xb xc xd   Y″

x2⊕xe x3⊕xf x4⊕x0 x5⊕yd x6⊕ye x7⊕yf x8⊕y0 y5⊕y1
y6⊕y2 y7⊕y3 y8⊕y4 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc x1⊕xd   Z

----

wt(X) = 15   wt(Y) = 12

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

x2 x3 x4 x5 x6 x7 x8 y4
y5 y6 y7 y8 y9 ya yb x1   X″

xd xe xf x0 yc yd ye yf

y0 y1 y2 y3 x9 xa xb xc Y″

x2⊕xd x3⊕xe x4⊕xf x5⊕x0 x6⊕yc x7⊕yd x8⊕ye y4⊕yf
y5⊕y0 y6⊕y1 y7⊕y2 y8⊕y3 y9⊕x9 ya⊕xa yb⊕xb x1⊕xc Z

----

wt(X) = 15 wt(Y) = 13

x1 x2 x3 x4 x5 x6 x7 x8 X1
x9 xa xb xc xd xe xf x0 X2

y3 y4 y5 y6 y7 y8 y9 ya Y1
yb yc yd ye yf y0 y1 y2 Y2

x2 x3 x4 x5 x6 x7 x8 y3
y4 y5 y6 y7 y8 y9 ya x1 X″

xc xd xe xf x0 yb yc yd
ye yf y0 y1 y2 x9 xa xb Y″

x2⊕xc x3⊕xd x4⊕xe x5⊕xf x6⊕x0 x7⊕yb x8⊕yc y3⊕yd
y4⊕ye y5⊕yf y6⊕y0 y7⊕y1 y8⊕y2 y9⊕x9 ya⊕xa x1⊕xb Z

----

wt(X) = 15 wt(Y) = 14

x1 x2 x3 x4 x5 x6 x7 x8 X1
x9 xa xb xc xd xe xf x0 X2

y2 y3 y4 y5 y6 y7 y8 y9 Y1
ya yb yc yd ye yf y0 y1 Y2

x2 x3 x4 x5 x6 x7 x8 y2
y3 y4 y5 y6 y7 y8 y9 x1 X″

xb xc xd xe xf x0 ya yb
yc yd ye yf y0 y1 x9 xa Y″

x2⊕xb x3⊕xc x4⊕xd x5⊕xe x6⊕xf x7⊕x0 x8⊕ya y2⊕yb
y3⊕yc y4⊕yd y5⊕ye y6⊕yf y7⊕y0 y8⊕y1 y9⊕x9 x1⊕xa   Z

----

wt(X) = 15   wt(Y) = 15

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

x2 x3 x4 x5 x6 x7 x8 y1
y2 y3 y4 y5 y6 y7 y8 x1   X″

xa xb xc xd xe xf x0 y9
ya yb yc yd ye yf y0 x9   Y″

x2⊕xa x3⊕xb x4⊕xc x5⊕xd x6⊕xe x7⊕xf x8⊕x0 y1⊕y9
y2⊕ya y3⊕yb y4⊕yc y5⊕yd y6⊕ye y7⊕yf y8⊕y0 x1⊕x9   Z

----

wt(X) = 15   wt(Y) = 16

x1 x2 x3 x4 x5 x6 x7 x8   X1
x9 xa xb xc xd xe xf x0   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x2 x3 x4 x5 x6 x7 x8 y0
y1 y2 y3 y4 y5 y6 y7 x1   X″

x9 xa xb xc xd xe xf x0
y8 y9 ya yb yc yd ye yf   Y″

x2⊕x9 x3⊕xa x4⊕xb x5⊕xc x6⊕xd x7⊕xe x8⊕xf y0⊕x0
y1⊕y8 y2⊕y9 y3⊕ya y4⊕yb y5⊕yc y6⊕yd y7⊕ye x1⊕yf   Z

----

wt(X) = 16   wt(Y) = 0

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y0 y1 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd xe xf
y8 y9 ya yb yc yd ye yf   Y″

x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb x4⊕xc x5⊕xd x6⊕xe x7⊕xf
y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb y4⊕yc y5⊕yd y6⊕ye y7⊕yf   Z

----

wt(X) = 16   wt(Y) = 1

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yf y0 y1 y2 y3 y4 y5 y6   Y1
y7 y8 y9 ya yb yc yd ye   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yf y0 y1 y2 y3 y4 y5 y6   X″

ye x8 x9 xa xb xc xd xe
xf y7 y8 y9 ya yb yc yd   Y″

x0⊕ye x1⊕x8 x2⊕x9 x3⊕xa x4⊕xb x5⊕xc x6⊕xd x7⊕xe
yf⊕xf y0⊕y7 y1⊕y8 y2⊕y9 y3⊕ya y4⊕yb y5⊕yc y6⊕yd   Z

----

wt(X) = 16   wt(Y) = 2

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

ye yf y0 y1 y2 y3 y4 y5   Y1
y6 y7 y8 y9 ya yb yc yd   Y2

x0 x1 x2 x3 x4 x5 x6 x7
ye yf y0 y1 y2 y3 y4 y5   X″

yc yd x8 x9 xa xb xc xd
xe xf y6 y7 y8 y9 ya yb   Y″

x0⊕yc x1⊕yd x2⊕x8 x3⊕x9 x4⊕xa x5⊕xb x6⊕xc x7⊕xd
ye⊕xe yf⊕xf y0⊕y6 y1⊕y7 y2⊕y8 y3⊕y9 y4⊕ya y5⊕yb   Z

----

wt(X) = 16   wt(Y) = 3

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yd ye yf y0 y1 y2 y3 y4   Y1
y5 y6 y7 y8 y9 ya yb yc   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yd ye yf y0 y1 y2 y3 y4   X″

ya yb yc x8 x9 xa xb xc
xd xe xf y5 y6 y7 y8 y9   Y″

x0⊕ya x1⊕yb x2⊕yc x3⊕x8 x4⊕x9 x5⊕xa x6⊕xb x7⊕xc
yd⊕xd ye⊕xe yf⊕xf y0⊕y5 y1⊕y6 y2⊕y7 y3⊕y8 y4⊕y9   Z

----

wt(X) = 16   wt(Y) = 4

x0 x1 x2 x3 x4 x5 x6 x7   X1

x8 x9 xa xb xc xd xe xf   X2

yc yd ye yf y0 y1 y2 y3   Y1
y4 y5 y6 y7 y8 y9 ya yb   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yc yd ye yf y0 y1 y2 y3   X″

y8 y9 ya yb x8 x9 xa xb
xc xd xe xf y4 y5 y6 y7   Y″

x0⊕y8 x1⊕y9 x2⊕ya x3⊕yb x4⊕x8 x5⊕x9 x6⊕xa x7⊕xb
yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y4 y1⊕y5 y2⊕y6 y3⊕y7   Z

----

wt(X) = 16   wt(Y) = 5

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

yb yc yd ye yf y0 y1 y2   Y1
y3 y4 y5 y6 y7 y8 y9 ya   Y2

x0 x1 x2 x3 x4 x5 x6 x7
yb yc yd ye yf y0 y1 y2   X″

y6 y7 y8 y9 ya x8 x9 xa
xb xc xd xe xf y3 y4 y5   Y″

x0⊕y6 x1⊕y7 x2⊕y8 x3⊕y9 x4⊕ya x5⊕x8 x6⊕x9 x7⊕xa
yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y3 y1⊕y4 y2⊕y5   Z

----

wt(X) = 16   wt(Y) = 6

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

ya yb yc yd ye yf y0 y1   Y1

y2 y3 y4 y5 y6 y7 y8 y9   Y2

x0 x1 x2 x3 x4 x5 x6 x7
ya yb yc yd ye yf y0 y1   X″

y4 y5 y6 y7 y8 y9 x8 x9
xa xb xc xd xe xf y2 y3   Y″

x0⊕y4 x1⊕y5 x2⊕y6 x3⊕y7 x4⊕y8 x5⊕y9 x6⊕x8 x7⊕x9
ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y2 y1⊕y3   Z

----

wt(X) = 16   wt(Y) = 7

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y9 ya yb yc yd ye yf y0   Y1
y1 y2 y3 y4 y5 y6 y7 y8   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y9 ya yb yc yd ye yf y0   X″

y2 y3 y4 y5 y6 y7 y8 x8
x9 xa xb xc xd xe xf y1   Y″

x0⊕y2 x1⊕y3 x2⊕y4 x3⊕y5 x4⊕y6 x5⊕y7 x6⊕y8 x7⊕x8
y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf y0⊕y1   Z

----

wt(X) = 16   wt(Y) = 8

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y8 y9 ya yb yc yd ye yf   Y1
y0 y1 y2 y3 y4 y5 y6 y7   Y2

x0 x1 x2 x3 x4 x5 x6 x7

y8 y9 ya yb yc yd ye yf   X″

y0 y1 y2 y3 y4 y5 y6 y7
x8 x9 xa xb xc xd xe xf   Y″

x0⊕y0 x1⊕y1 x2⊕y2 x3⊕y3 x4⊕y4 x5⊕y5 x6⊕y6 x7⊕y7
y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe yf⊕xf   Z

----

wt(X) = 16   wt(Y) = 9

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y7 y8 y9 ya yb yc yd ye   Y1
yf y0 y1 y2 y3 y4 y5 y6   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y7 y8 y9 ya yb yc yd ye   X″

xf yf y0 y1 y2 y3 y4 y5
y6 x8 x9 xa xb xc xd xe   Y″

x0⊕xf x1⊕yf x2⊕y0 x3⊕y1 x4⊕y2 x5⊕y3 x6⊕y4 x7⊕y5
y7⊕y6 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd ye⊕xe   Z

----

wt(X) = 16   wt(Y) = 10

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y6 y7 y8 y9 ya yb yc yd   Y1
ye yf y0 y1 y2 y3 y4 y5   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y6 y7 y8 y9 ya yb yc yd   X″

xe xf ye yf y0 y1 y2 y3

y4 y5 x8 x9 xa xb xc xd   Y″

x0⊕xe x1⊕xf x2⊕ye x3⊕yf x4⊕y0 x5⊕y1 x6⊕y2 x7⊕y3
y6⊕y4 y7⊕y5 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc yd⊕xd   Z

----

wt(X) = 16   wt(Y) = 11

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y5 y6 y7 y8 y9 ya yb yc   Y1
yd ye yf y0 y1 y2 y3 y4   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y5 y6 y7 y8 y9 ya yb yc   X″

xd xe xf yd ye yf y0 y1
y2 y3 y4 x8 x9 xa xb xc   Y″

x0⊕xd x1⊕xe x2⊕xf x3⊕yd x4⊕ye x5⊕yf x6⊕y0 x7⊕y1
y5⊕y2 y6⊕y3 y7⊕y4 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb yc⊕xc   Z

----

wt(X) = 16   wt(Y) = 12

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y4 y5 y6 y7 y8 y9 ya yb   Y1
yc yd ye yf y0 y1 y2 y3   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y4 y5 y6 y7 y8 y9 ya yb   X″

xc xd xe xf yc yd ye yf
y0 y1 y2 y3 x8 x9 xa xb   Y″

x0⊕xc x1⊕xd x2⊕xe x3⊕xf x4⊕yc x5⊕yd x6⊕ye x7⊕yf
y4⊕y0 y5⊕y1 y6⊕y2 y7⊕y3 y8⊕x8 y9⊕x9 ya⊕xa yb⊕xb   Z

----

wt(X) = 16   wt(Y) = 13

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y3 y4 y5 y6 y7 y8 y9 ya   Y1
yb yc yd ye yf y0 y1 y2   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y3 y4 y5 y6 y7 y8 y9 ya   X″

xb xc xd xe xf yb yc yd
ye yf y0 y1 y2 x8 x9 xa   Y″

x0⊕xb x1⊕xc x2⊕xd x3⊕xe x4⊕xf x5⊕yb x6⊕yc x7⊕yd
y3⊕ye y4⊕yf y5⊕y0 y6⊕y1 y7⊕y2 y8⊕x8 y9⊕x9 ya⊕xa   Z

----

wt(X) = 16   wt(Y) = 14

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y2 y3 y4 y5 y6 y7 y8 y9   Y1
ya yb yc yd ye yf y0 y1   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y2 y3 y4 y5 y6 y7 y8 y9   X″

xa xb xc xd xe xf ya yb
yc yd ye yf y0 y1 x8 x9   Y″

x0⊕xa x1⊕xb x2⊕xc x3⊕xd x4⊕xe x5⊕xf x6⊕ya x7⊕yb
y2⊕yc y3⊕yd y4⊕ye y5⊕yf y6⊕y0 y7⊕y1 y8⊕x8 y9⊕x9   Z

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wt(X) = 16   wt(Y) = 15

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y1 y2 y3 y4 y5 y6 y7 y8   Y1
y9 ya yb yc yd ye yf y0   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y1 y2 y3 y4 y5 y6 y7 y8   X″

x9 xa xb xc xd xe xf y9
ya yb yc yd ye yf y0 x8   Y″

x0⊕x9 x1⊕xa x2⊕xb x3⊕xc x4⊕xd x5⊕xe x6⊕xf x7⊕y9
y1⊕ya y2⊕yb y3⊕yc y4⊕yd y5⊕ye y6⊕yf y7⊕y0 y8⊕x8   Z

----

wt(X) = 16   wt(Y) = 16

x0 x1 x2 x3 x4 x5 x6 x7   X1
x8 x9 xa xb xc xd xe xf   X2

y0 y1 y2 y3 y4 y5 y6 y7   Y1
y8 y9 ya yb yc yd ye yf   Y2

x0 x1 x2 x3 x4 x5 x6 x7
y0 y1 y2 y3 y4 y5 y6 y7   X″

x8 x9 xa xb xc xd xe xf
y8 y9 ya yb yc yd ye yf   Y″

x0⊕x8 x1⊕x9 x2⊕xa x3⊕xb x4⊕xc x5⊕xd x6⊕xe x7⊕xf
y0⊕y8 y1⊕y9 y2⊕ya y3⊕yb y4⊕yc y5⊕yd y6⊕ye y7⊕yf   Z