



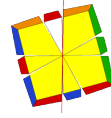
## Lin PLL+1

Page 1



**Adj-BL**

(3,2)/(1,0)/(0,-3)/(-1,0)/(-3,0)/(1,0)/(0,3)/(-1,0)/(0,-2)



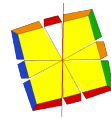
**Adj-FL**

(-5,3)/(2,-1)/(-2,1)/(-1,-1)/(3,0)/(-2,1)/(5,-3)



**Adj-FR**

(-2,0)/(0,3)/(3,0)/(-1,-1)/(-2,1)/(0,-3)/(-4,0)



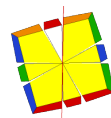
**Adj-BR**

(-3,2)/(1,0)/(0,-3)/(-1,0)/(3,0)/(1,0)/(0,3)/(-1,0)/(0,-2)



**Opp-F**

/(3,0)/(1,3)/(0,-1)/(0,1)/(-1,0)/(0,-3)/(-3,0)/



**Opp-LR**

(0,-1)/(-3,0)/(4,1)/(-1,-1)/(-3,0)/(3,0)/(0,1)

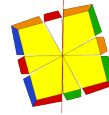


## Lin PLL+1



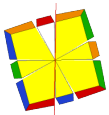
**Cw-Swirl**

$(-3,-1)/(0,1)/(-3,0)/(0,-1)/(-2,1)/(-1,0)/(-3,0)/(1,0)/(-1,0)$



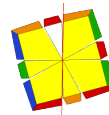
**Ccw-Swirl**

$(4,0)/(-1,0)/(3,0)/(1,0)/(2,-1)/(0,1)/(3,0)/(0,-1)/(0,1)$



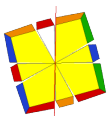
**W-BL**

$(6,-1)/(4,1)/(2,-1)/(4,1)/(3,0)/(2,-1)/(-3,1)$



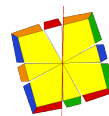
**W-FL**

$(3,-1)/(-3,0)/(4,1)/(3,0)/(-4,-1)/(-3,0)/(3,0)/(4,1)/(5,0)$



**W-FR**

$(4,0)/(-4,-1)/(-3,0)/(3,0)/(4,1)/(-3,0)/(-4,-1)/(3,0)/(0,1)$



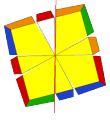
**W-BR**

$(-5,0)/(-1,-4)/(-2,1)/(-1,-4)/(-3,0)/(1,-2)/(2,0)$



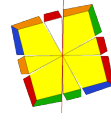
## Lin PLL+1

Page 3



**Blocks-F+**

$(-2,0)/(2,-1)/(0,-3)/(3,0)/(-3,0)/(-2,4)/(-1,0)$



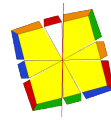
**Blocks-F-**

$(3,-1)/(1,-2)/(0,3)/(0,-3)/(3,0)/(-4,2)/(0,1)$



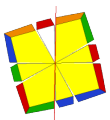
**Blocks-R+**

$(1,0)/(-4,-4)/(3,0)/(0,-3)/(0,3)/(1,4)/(-4,-1)/(0,3)/(3,1)$



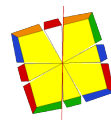
**Blocks-L-**

$(0,-1)/(4,4)/(-3,0)/(3,0)/(0,-3)/(-4,-1)/(4,1)/(-3,0)/(-4,0)$



**Square-C**

$(-5,-3)/(0,3)/(3,0)/(3,0)/(-4,-1)/(1,4)/(0,3)/(-4,-3)$



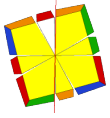
**Square-D**

$(4,3)/(0,-3)/(-1,-4)/(4,1)/(-3,0)/(-3,0)/(0,-3)/(5,3)$



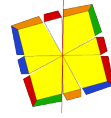
## Lin PLL+1

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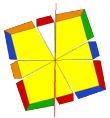
### Opp Blocks

$(1,3)/(-4,2)/(1,-2)/(-1,-4)/(4,1)/(0,-3)/(-4,-1)/(3,1)$



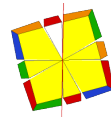
### Opp Blocks

$(6,2)/(-2,4)/(2,-1)/(1,4)/(-1,-4)/(0,3)/(1,4)/(-4,0)$



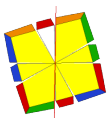
### Opp-Opp Blocks

$(3,-1)/(3,0)/(1,4)/(2,-1)/(4,1)/(-3,0)/(-1,2)/(0,-3)/(-3,-5)$



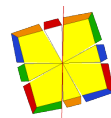
### Opp-Opp Blocks

$(-2,0)/(0,-3)/(-1,-4)/(1,-2)/(-4,-1)/(0,3)/(1,-2)/(3,0)/(2,6)$



### Fake T-perm

$(3,-1)/(-3,0)/(-2,1)/(-1,-1)/(0,3)/(0,-3)/(0,3)/(-3,0)/(3,-2)$



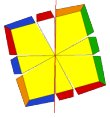
### Opp-Fake T-perm

$(3,-1)/(1,-2)/(0,3)/(-1,-4)/(4,1)/(-4,-1)/(1,1)/(-1,2)/(0,1)$



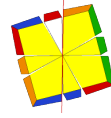
## Lin PLL+1

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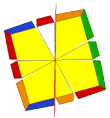
### 2c-swap

(4,0)/(-1,-1)/(3,0)/(-3,0)/(0,3)/(-3,0)/(3,0)/(4,-2)/(-4,0)  
)



### Line + Square

(0,-1)/(1,4)/(-1,-4)/(1,4)/(-4,-1)/(4,-2)/(-4,0)



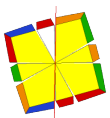
### Line + Block

(0,-1)/(0,-3)/(1,4)/(-1,-4)/(4,1)/(-4,2)/(3,1)



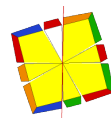
### 2c + H-perm

(-3,-1)/(1,1)/(3,0)/(-4,-1)/(-3,3)/(1,-2)/(-1,2)/(-3,0)/(6,-2)



### Fake Rb-perm

(3,-4)/(0,3)/(3,0)/(4,1)/(-4,-1)/(1,4)/(-1,2)/(0,-2)



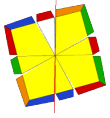
### Fake Gb-perm (almost)

(6,-4)/(3,0)/(1,-2)/(-1,2)/(3,-3)/(3,0)/(0,-5)



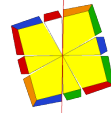
## Lin PLL+1

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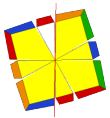
**Fake Gc-perm**

$(1,0)/(0,3)/(-4,-1)/(4,-2)/(-3,0)/(0,3)/(-1,-3)$



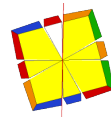
**Fake Gd-perm**

$(1,3)/(0,-3)/(3,0)/(-4,2)/(4,1)/(0,-3)/(-1,0)$



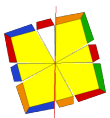
**2 Blocks + opp line**

$(6,-1)/(4,1)/(0,3)/(-4,-1)/(1,4)/(-1,2)/(4,-2)/(2,-3)$



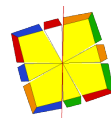
**2 Blocks + adj line**

$(-3,-1)/(4,-2)/(-3,0)/(0,3)/(0,-3)/(-1,2)/(0,1)$



**1-opp (a)**

$(1,0)/(0,-3)/(-1,2)/(-3,0)/(4,1)/(2,-1)/(1,4)/(3,0)/(-1,6)$



**1-opp (b)**

$(-2,3)/(-4,-1)/(1,-2)/(-1,-4)/(1,-2)/(3,3)/(-1,2)/(-2,1)/(5,-3)$



## Lin PLL+1

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**2c-swap**

$(-2,0)/(2,-1)/(-3,3)/(3,0)/(0,-3)/(0,3)/(0,-3)/(1,1)/(2,0)$



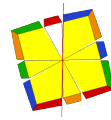
**Line + Block-R**

$(-5,0)/(2,-4)/(4,1)/(-4,-1)/(1,4)/(-3,0)/(-4,0)$



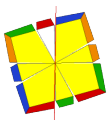
**Line + Block-L**

$(6,-1)/(4,-2)/(-4,-1)/(1,4)/(-1,-4)/(0,3)/(3,1)$



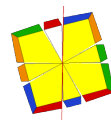
**2c + H-perm**

$(6,-1)/(1,-2)/(-1,-1)/(4,1)/(-4,-1)/(1,4)/(0,-3)/(-1,2)/(3,1)$



**2 Blocks+**

$(3,-1)/(0,-3)/(4,1)/(-1,-4)/(0,-3)/(0,3)/(-3,0)/(4,4)/(5,0)$



**2 Blocks-**

$(-2,0)/(3,0)/(-4,-1)/(4,1)/(0,3)/(-3,0)/(3,0)/(-4,-4)/(6,1)$



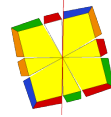
## Lin PLL+1

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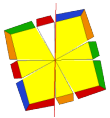
**Fake Ga-perm**

$(3,-1)/(0,-3)/(-3,3)/(-2,1)/(-1,2)/(0,-3)/(3,-2)$



**Fake Gc-perm**

$(-2,0)/(3,0)/(3,-3)/(-1,2)/(1,-2)/(3,0)/(-4,3)$



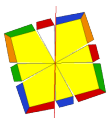
**Opp line + block on**

$(-2,3)/(-1,2)/(1,4)/(-4,-1)/(4,1)/(3,0)/(0,3)/(5,3)$



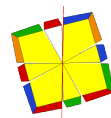
**Opp line + block on**

$(-3,2)/(1,-2)/(-1,-4)/(4,1)/(-4,-1)/(-3,0)/(0,-3)/(0,4)$



**Opp-Opp Blocks +**

$(4,0)/(-1,2)/(-2,1)/(0,-3)/(-1,2)/(-2,1)/(2,-1)/(3,0)/(0,-2)$



**Opp-Opp Blocks -**

$(0,2)/(-3,0)/(-2,1)/(2,-1)/(1,-2)/(0,3)/(2,-1)/(1,-2)/(-4,0)$





## Lin PLL+1



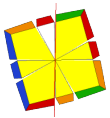
### 2c-swap

$(-3,-1)/(1,1)/(-3,0)/(0,3)/(0,-3)/(0,3)/(-3,0)/(2,-4)/(3,1)$   
)



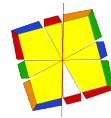
### Line + Square

$(1,0)/(-4,-1)/(1,4)/(-4,-1)/(4,1)/(2,-4)/(3,1)$



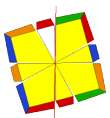
### Line + Block

$(1,0)/(3,0)/(-1,-4)/(4,1)/(-4,-1)/(-2,4)/(-4,0)$



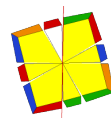
### 2c + H-perm

$(6,2)/(3,0)/(1,-2)/(-1,2)/(3,-3)/(4,1)/(-3,0)/(-1,-1)/(3,1)$   
)



### Fake Ra-perm

$(4,-3)/(0,-3)/(-3,0)/(-4,-1)/(4,1)/(-1,-4)/(1,-2)/(5,-3)$



### Fake Ga-perm

$(0,-1)/(-3,0)/(4,1)/(2,-4)/(3,0)/(-3,0)/(0,4)$



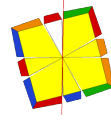
## Lin PLL+1

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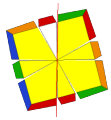
**Fake Gb-perm**

$(6,2)/(0,3)/(-3,0)/(4,-2)/(-4,-1)/(0,3)/(6,-5)$



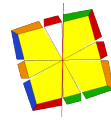
**Fake Gd-perm (almost**

$(1,-3)/(-3,0)/(-1,2)/(1,-2)/(-3,3)/(-3,0)/(5,0)$



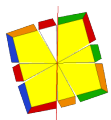
**2 Blocks + opp line**

$(-5,0)/(-1,-4)/(0,-3)/(1,4)/(-1,-4)/(-2,1)/(2,-4)/(3,-2)$



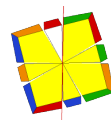
**2 Blocks + adj line**

$(4,0)/(2,-4)/(3,0)/(-3,0)/(0,3)/(-2,1)/(-1,0)$



**1-opp (a)**

$(0,-1)/(3,0)/(1,-2)/(0,3)/(-4,-1)/(1,-2)/(-1,-4)/(0,-3)/(0,-5)$



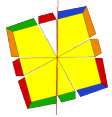
**1-opp (b)**

$(1,3)/(2,-1)/(1,-2)/(-3,-3)/(-1,2)/(1,4)/(-1,2)/(4,1)/(-4,-3)$



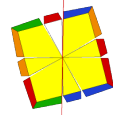
## Lin PLL+1

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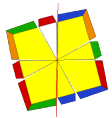
**Diag-Swap (a)**

(4,0)/(-3,-3)/(-3,0)/(-3,0)/(3,0)/(-1,2)/(4,1)/(-4,-1)/(-3,1)



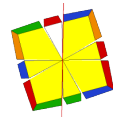
**Diag-Swap (b)**

(-3,-1)/(3,3)/(3,0)/(0,3)/(-3,0)/(-2,1)/(-4,-1)/(1,4)/(2,0)



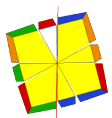
**Blocks-F+**

(3,-1)/(-3,-2)/(-3,0)/(3,3)/(0,-3)/(3,2)/(-3,1)



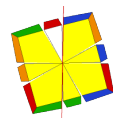
**Blocks-F-**

(-2,0)/(2,3)/(0,-3)/(3,3)/(-3,0)/(-2,-3)/(2,0)



**Blocks-R+**

(4,0)/(0,3)/(-4,-1)/(1,-2)/(3,3)/(-1,-4)/(4,1)/(-4,-1)/(3,1)



**Blocks-L-**

(-3,-1)/(-3,0)/(4,1)/(2,-1)/(-3,-3)/(4,1)/(-4,-1)/(1,4)/(-4,0)



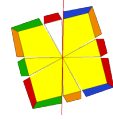
## Lin PLL+1

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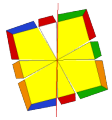
**Block-R+**

$(-5,3)/(2,-1)/(-2,1)/(-1,2)/(0,-3)/(0,3)/(-3,0)/(1,-2)/(-4,-3)$



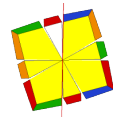
**Block-R-**

$(0,2)/(1,-2)/(-3,0)/(0,3)/(0,-3)/(-1,2)/(-2,1)/(2,-1)/(-3,-2)$



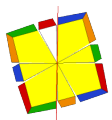
**Block-L+**

$(-5,3)/(-1,2)/(3,0)/(0,-3)/(0,3)/(1,-2)/(2,-1)/(-2,1)/(2,-3)$



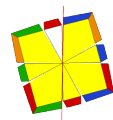
**Block-L-**

$(0,2)/(-2,1)/(2,-1)/(1,-2)/(0,3)/(0,-3)/(3,0)/(-1,2)/(-3,-2)$



**No Blocks (a)**

$(4,0)/(-4,0)/(0,3)/(-3,0)/(0,-2)/(0,2)/(3,0)/(0,-3)/(4,0)/(2,0)$



**No Blocks (b)**

$(1,0)/(-3,0)/(2,-4)/(-2,1)/(2,-1)/(3,0)/(1,-2)/(-1,2)/(0,-5)$

