

g-matrices of st-tilt(R\_4)

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[[ 1, 0, 0, 0 ],  
 [ 0, 1, 0, 0 ],  
 [ 0, 0, 1, 0 ],  
 [ 0, 0, 0, 1 ]]

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[[ -1, 0, 0, 0 ],  
 [ 0, -1, 0, 0 ],  
 [ 0, 0, -1, 0 ],  
 [ 0, 0, 0, -1 ]]

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[[ 0, 1, 0, 0 ],  
 [ 0, 0, 1, 0 ],  
 [ 0, 0, 1, -1 ],  
 [ 1, 0, 0, 0 ]]

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[[ 0, 1, -1, 1 ],  
 [ 0, 1, 0, 0 ],  
 [ 0, 0, 0, 1 ],  
 [ 1, 0, 0, 0 ]]

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[[ 1, -1, 1, 0 ],  
 [ 0, 0, 1, 0 ],  
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[[ -1, 1, 0, 0 ],  
 [ 0, 1, 0, 0 ],  
 [ 0, 0, 1, 0 ],  
 [ 0, 0, 0, 1 ]]

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[[ 0, 1, 0, 0 ],  
 [ 0, 1, 0, -1 ],  
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[[ 1, -1, 1, 0 ],  
 [ 0, 0, 1, 0 ],  
 [ 0, 0, 1, -1 ],

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    [ 1, 0, 0, 0]]
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[[ -1, 1, 0, 0],
 [ 0, 1, 0, 0],
 [ 0, 0, 1, 0],
 [ 0, 0, 1, -1]]
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[[ 0, 1, -1, 1],
 [ 0, 1, 0, 0],
 [ 0, 1, -1, 0],
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[[ 0, 0, -1, 1],
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[[ -1, 1, 0, 0],
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[[ 1, -1, 0, 1],
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[[ 0, -1, 1, 0],
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[[ 0, 0, 0, 1],
 [ 0, 0, 1, 0],
 [ -1, 1, 0, 0],
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[[ 0, 0, 1, -1],
 [ 0, 1, 0, -1],
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 [ 0, 0, 0, -1]]

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[[ 0, 1, 0, 0],
 [ 0, 1, 0, -1],
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 [ 1, 0, 0, 0]]

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[[ -1, 1, 0, 0],
 [ 0, 1, 0, 0],
 [ 0, 1, 0, -1],
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[[ 1, -1, 1, 0],
 [ 1, -1, 1, -1],
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[[ 0, -1, 1, 0],
 [ 1, -1, 1, 0],
 [ 0, 0, 1, 0],
 [ 0, 0, 1, -1]]

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[[ 0, 0, 1, 0],
 [ -1, 1, 0, 0],
 [ 0, 0, 1, -1],
 [ -1, 0, 0, 0]]

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[[ 0, 0, -1, 1],
 [ 0, 1, -1, 1],
 [ 0, 1, -1, 0],
 [ 1, 0, 0, 0]]

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[[ -1, 1, 0, 0],
 [ 0, 1, -1, 1],
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[[ 1, -1, 0, 1],
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[[ -1,  1, -1,  1 ],
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[[ -1,  1, -1,  1 ],
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[[  0, -1,  1,  0 ],
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[[ -1,  1, -1,  1 ],
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[[  1, -1,  1, -1 ],
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[[  0,  1,  0, -1 ],
 [  0,  1, -1,  0 ],
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[[ -1,  1,  0, -1 ],

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$$\begin{bmatrix} 0, & 0, & 1, & -1 ], \\ 0, & 1, & 0, & -1 ], \\ 0, & 0, & 0, & -1 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} -1, & 1, & 0, & 0 ], \\ 0, & 1, & 0, & 0 ], \\ 0, & 1, & 0, & -1 ], \\ 0, & 1, & -1, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} -1, & 1, & 0, & 0 ], \\ -1, & 1, & 0, & -1 ], \\ 0, & 1, & 0, & -1 ], \\ 0, & 0, & 1, & -1 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 1, & -1, & 1, & 0 ], \\ 1, & -1, & 1, & -1 ], \\ 1, & 0, & 0, & 0 ], \\ 1, & -1, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & -1, & 1, & 0 ], \\ 1, & -1, & 1, & 0 ], \\ 1, & -1, & 1, & -1 ], \\ 0, & 0, & 1, & -1 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} -1, & 1, & 0, & 0 ], \\ -1, & 1, & 0, & -1 ], \\ 0, & 0, & 1, & -1 ], \\ -1, & 0, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0 & -1 & 1 & 0 \\ 0 & -1 & 1 & -1 \\ 0 & 0 & 1 & -1 \\ -1 & 0 & 0 & 0 \end{bmatrix}$$

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$$\begin{bmatrix} 0 & 0 & -1 & 1 \\ 1 & 0 & 0 & 0 \\ 1 & -1 & 0 & 0 \\ 0 & 0 & -1 & 0 \end{bmatrix}$$

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$$\begin{bmatrix} 0 & -1 & 0 & 1 \\ 1 & -1 & 0 & 1 \\ 0 & 0 & -1 & 1 \\ 1 & -1 & 0 & 0 \end{bmatrix}$$

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$$\begin{bmatrix} 0 & -1 & 0 & 1 \\ 0 & -1 & 1 & 0 \\ 1 & -1 & 0 & 1 \\ 1 & -1 & 0 & 0 \end{bmatrix}$$


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$$\begin{bmatrix} -1 & 1 & 0 & -1 \end{bmatrix}$$

$$\begin{bmatrix} -1, & 1, & -1, & 0 ], \\ -1, & 0, & 0, & 0 ], \\ 0, & 0, & 0, & -1 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} -1, & 1, & 0, & 0 ], \\ -1, & 1, & 0, & -1 ], \\ -1, & 1, & -1, & 0 ], \\ 0, & 1, & -1, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & -1, & 1, & 0 ], \\ 0, & -1, & 1, & -1 ], \\ 1, & -1, & 1, & -1 ], \\ 1, & -1, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & -1, & 1, & 0 ], \\ 0, & -1, & 1, & -1 ], \\ -1, & 0, & 0, & 0 ], \\ 0, & -1, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & 0, & -1, & 1 ], \\ 1, & -1, & 0, & 0 ], \\ 0, & -1, & 0, & 0 ], \\ 0, & 0, & -1, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & 0, & -1, & 1 ], \\ -1, & 1, & -1, & 0 ], \\ -1, & 0, & 0, & 0 ], \\ 0, & 0, & -1, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & 0, & -1, & 1 ], \\ 0, & -1, & 0, & 1 ], \\ 1, & -1, & 0, & 0 ], \\ 0, & -1, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & -1, & 0, & 1 ], \\ 0, & 0, & -1, & 1 ], \\ -1, & 0, & 0, & 0 ], \\ 0, & -1, & 0, & 0 ] ] \end{bmatrix}$$

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$$\begin{bmatrix} 0, & -1, & 1, & 0 ], \\ 0, & -1, & 0, & 1 ], \end{bmatrix}$$

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[ 1, -1, 0, 0 ],
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[[ 0, -1, 1, -1 ],
 [ 1, -1, 0, 0 ],
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 [ 0, -1, 0, 0 ]]
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 [ 0, -1, 0, 0 ],
 [ 0, 0, -1, 0 ]]
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Number: 88