

g-matrices of st-tilt(A_3)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Number: 20