



$M = \{\{1, -1, 2, 0\}, \{\sqrt{2}, 1, 0, -2\}, \{0, 1, \sqrt{2}, -1\}, \{1, 2, 2, 0\}\}; \text{Det}[M];$



Input interpretation:

$$|M| \text{ where } M = \begin{pmatrix} 1 & -1 & 2 & 0 \\ \sqrt{2} & 1 & 0 & -2 \\ 0 & 1 & \sqrt{2} & -1 \\ 1 & 2 & 2 & 0 \end{pmatrix}$$

$|m|$ is the determinant »

Result:

[More digits](#)

$$12\sqrt{2} \approx 16.9706$$