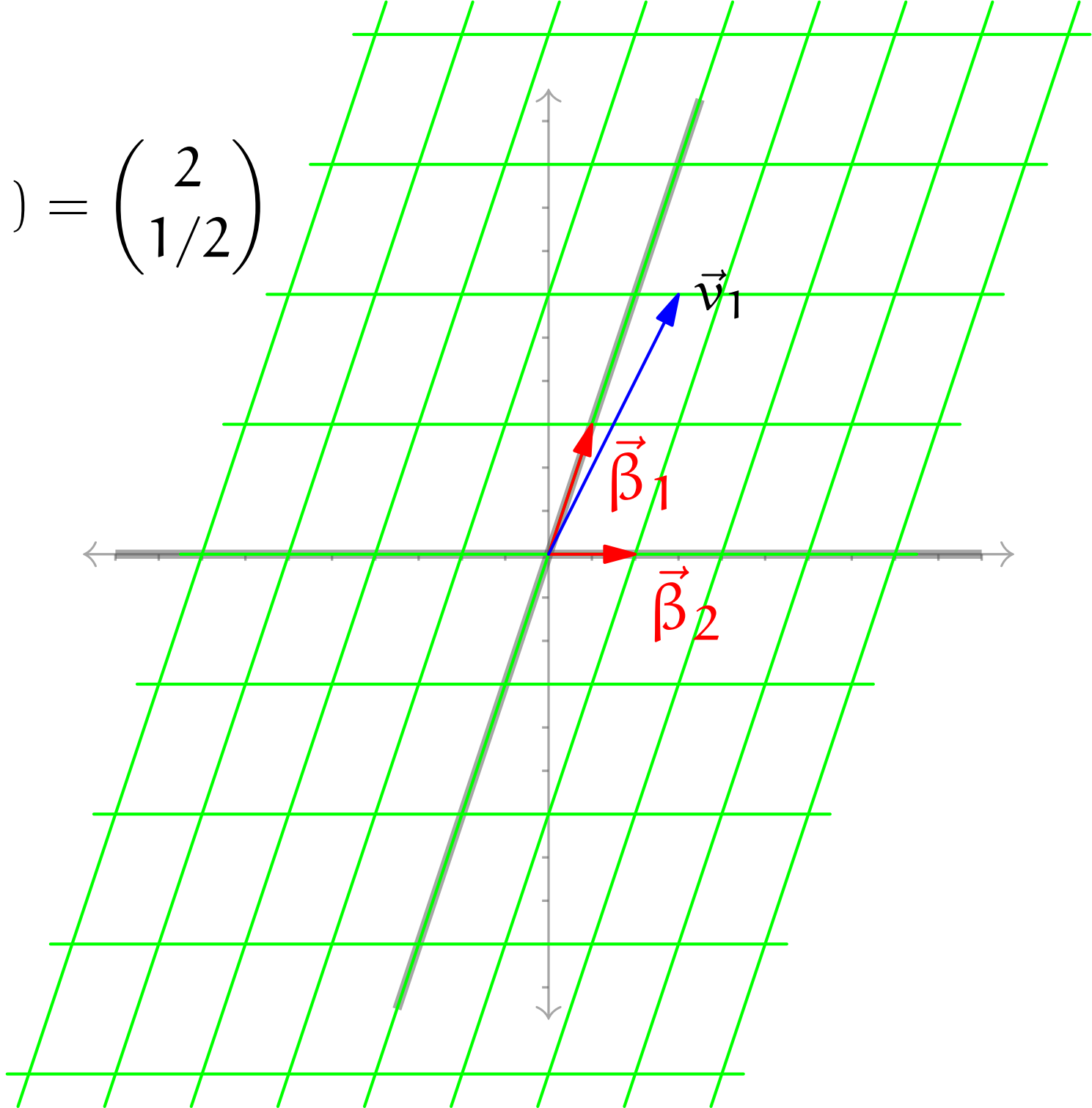$$\mathrm{Rep}_B(\vec{v}_1) = \begin{pmatrix} 2 \\ 1/2 \end{pmatrix}$$