

$k \setminus n$	5	6
0	$\left(\frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}, \frac{1}{\sqrt{5}}\right)$	$\left(\frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}, \frac{1}{\sqrt{6}}\right)$
1	$\left(-\sqrt{\frac{2}{5}}, -\frac{1}{\sqrt{10}}, 0, \frac{1}{\sqrt{10}}, \sqrt{\frac{2}{5}}\right)$	$\left(-\sqrt{\frac{5}{14}}, -\frac{3}{\sqrt{70}}, -\frac{1}{\sqrt{70}}, \frac{1}{\sqrt{70}}, \frac{3}{\sqrt{70}}, \sqrt{\frac{5}{14}}\right)$
2	$\left(\sqrt{\frac{2}{7}}, -\frac{1}{\sqrt{14}}, -\sqrt{\frac{2}{7}}, -\frac{1}{\sqrt{14}}, \sqrt{\frac{2}{7}}\right)$	$\left(\frac{5}{2\sqrt{21}}, -\frac{1}{2\sqrt{21}}, -\frac{2}{\sqrt{21}}, -\frac{2}{\sqrt{21}}, -\frac{1}{2\sqrt{21}}, \frac{5}{2\sqrt{21}}\right)$
3	$\left(-\frac{1}{\sqrt{10}}, \sqrt{\frac{2}{5}}, 0, -\sqrt{\frac{2}{5}}, \frac{1}{\sqrt{10}}\right)$	$\left(-\frac{\sqrt{5}}{6}, \frac{7}{6\sqrt{5}}, \frac{2}{3\sqrt{5}}, -\frac{2}{3\sqrt{5}}, -\frac{7}{6\sqrt{5}}, \frac{\sqrt{5}}{6}\right)$
4	$\left(\frac{1}{\sqrt{70}}, -\frac{2\sqrt{2}}{\sqrt{35}}, \frac{3\sqrt{2}}{\sqrt{35}}, -\frac{2\sqrt{2}}{\sqrt{35}}, \frac{1}{\sqrt{70}}\right)$	$\left(\frac{1}{2\sqrt{7}}, -\frac{3}{2\sqrt{7}}, \frac{1}{\sqrt{7}}, \frac{1}{\sqrt{7}}, -\frac{3}{2\sqrt{7}}, \frac{1}{2\sqrt{7}}\right)$
5	— — —	$\left(-\frac{1}{6\sqrt{7}}, \frac{5}{6\sqrt{7}}, -\frac{5}{3\sqrt{7}}, \frac{5}{3\sqrt{7}}, -\frac{5}{6\sqrt{7}}, \frac{1}{6\sqrt{7}}\right)$