

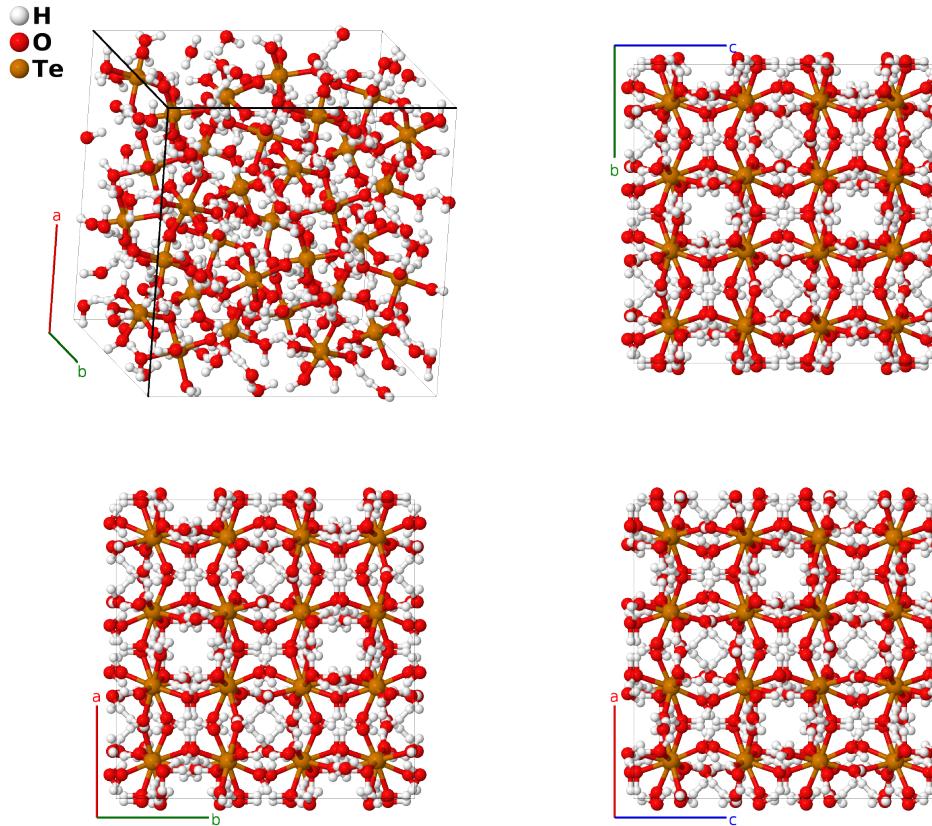
Te[OH]₆ Structure: A12B6C_cF608_210_4h_2h_e-001

This structure originally had the label A12B6C_cF608_210_4h_2h.e. Calls to that address will be redirected here.

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<https://aflow.org/p/7K4Q>

https://aflow.org/p/A12B6C_cF608_210_4h_2h_e-001



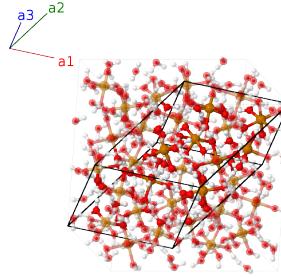
Prototype	H ₆ O ₆ Te
AFLOW prototype label	A12B6C_cF608_210_4h_2h_e-001
ICSD	16435
Pearson symbol	cF608
Space group number	210
Space group symbol	F4 ₁ 32
AFLOW prototype command	<pre>aflow --proto=A12B6C_cF608_210_4h_2h_e-001 --params=a, x1, x2, y2, z2, x3, y3, z3, x4, y4, z4, x5, y5, z5, x6, y6, z6, x7, y7, z7</pre>

- The hydrogen sites are only half occupied. Presumably this means that there is only one hydrogen atom bound to each oxygen.

- (Kirkpatrick, 1926) originally concluded that Te[OH]₆ was in space group *Fd* $\bar{3}c$ #228, but the did not find the positions of the hydrogen atoms. The current structure appears to be the correct one.

Face-centered Cubic primitive vectors

$$\begin{aligned}\mathbf{a}_1 &= \frac{1}{2}a\hat{\mathbf{y}} + \frac{1}{2}a\hat{\mathbf{z}} \\ \mathbf{a}_2 &= \frac{1}{2}a\hat{\mathbf{x}} + \frac{1}{2}a\hat{\mathbf{z}} \\ \mathbf{a}_3 &= \frac{1}{2}a\hat{\mathbf{x}} + \frac{1}{2}a\hat{\mathbf{y}}\end{aligned}$$



Basis vectors

	Lattice coordinates	Cartesian coordinates	Wyckoff position	Atom type
\mathbf{B}_1	$x_1 \mathbf{a}_1 + x_1 \mathbf{a}_2 + x_1 \mathbf{a}_3$	$ax_1 \hat{\mathbf{x}} + ax_1 \hat{\mathbf{y}} + ax_1 \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_2	$x_1 \mathbf{a}_1 + x_1 \mathbf{a}_2 - 3x_1 \mathbf{a}_3$	$-ax_1 \hat{\mathbf{x}} - ax_1 \hat{\mathbf{y}} + ax_1 \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_3	$x_1 \mathbf{a}_1 - 3x_1 \mathbf{a}_2 + x_1 \mathbf{a}_3$	$-ax_1 \hat{\mathbf{x}} + ax_1 \hat{\mathbf{y}} - ax_1 \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_4	$-3x_1 \mathbf{a}_1 + x_1 \mathbf{a}_2 + x_1 \mathbf{a}_3$	$ax_1 \hat{\mathbf{x}} - ax_1 \hat{\mathbf{y}} - ax_1 \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_5	$-(x_1 - \frac{1}{4}) \mathbf{a}_1 - (x_1 - \frac{1}{4}) \mathbf{a}_2 + (3x_1 + \frac{1}{4}) \mathbf{a}_3$	$a(x_1 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_1 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_1 - \frac{1}{4}) \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_6	$-(x_1 - \frac{1}{4}) \mathbf{a}_1 - (x_1 - \frac{1}{4}) \mathbf{a}_2 - (x_1 - \frac{1}{4}) \mathbf{a}_3$	$-a(x_1 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_1 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_1 - \frac{1}{4}) \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_7	$-(x_1 - \frac{1}{4}) \mathbf{a}_1 + (3x_1 + \frac{1}{4}) \mathbf{a}_2 - (x_1 - \frac{1}{4}) \mathbf{a}_3$	$a(x_1 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_1 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_1 + \frac{1}{4}) \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_8	$(3x_1 + \frac{1}{4}) \mathbf{a}_1 - (x_1 - \frac{1}{4}) \mathbf{a}_2 - (x_1 - \frac{1}{4}) \mathbf{a}_3$	$-a(x_1 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_1 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_1 + \frac{1}{4}) \hat{\mathbf{z}}$	(32e)	Te I
\mathbf{B}_9	$(-x_2 + y_2 + z_2) \mathbf{a}_1 + (x_2 - y_2 + z_2) \mathbf{a}_2 + (x_2 + y_2 - z_2) \mathbf{a}_3$	$ax_2 \hat{\mathbf{x}} + ay_2 \hat{\mathbf{y}} + az_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{10}	$(x_2 - y_2 + z_2) \mathbf{a}_1 + (-x_2 + y_2 + z_2) \mathbf{a}_2 - (x_2 + y_2 + z_2) \mathbf{a}_3$	$-ax_2 \hat{\mathbf{x}} - ay_2 \hat{\mathbf{y}} + az_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{11}	$(x_2 + y_2 - z_2) \mathbf{a}_1 - (x_2 + y_2 + z_2) \mathbf{a}_2 + (-x_2 + y_2 + z_2) \mathbf{a}_3$	$-ax_2 \hat{\mathbf{x}} + ay_2 \hat{\mathbf{y}} - az_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{12}	$-(x_2 + y_2 + z_2) \mathbf{a}_1 + (x_2 + y_2 - z_2) \mathbf{a}_2 + (x_2 - y_2 + z_2) \mathbf{a}_3$	$ax_2 \hat{\mathbf{x}} - ay_2 \hat{\mathbf{y}} - az_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{13}	$(x_2 + y_2 - z_2) \mathbf{a}_1 + (-x_2 + y_2 + z_2) \mathbf{a}_2 + (x_2 - y_2 + z_2) \mathbf{a}_3$	$az_2 \hat{\mathbf{x}} + ax_2 \hat{\mathbf{y}} + ay_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{14}	$-(x_2 + y_2 + z_2) \mathbf{a}_1 + (x_2 - y_2 + z_2) \mathbf{a}_2 + (-x_2 + y_2 + z_2) \mathbf{a}_3$	$az_2 \hat{\mathbf{x}} - ax_2 \hat{\mathbf{y}} - ay_2 \hat{\mathbf{z}}$	(96h)	H I

\mathbf{B}_{15}	$=$	$(-x_2 + y_2 + z_2) \mathbf{a}_1 + (x_2 + y_2 - z_2) \mathbf{a}_2 - (x_2 + y_2 + z_2) \mathbf{a}_3$	$=$	$-az_2 \hat{\mathbf{x}} - ax_2 \hat{\mathbf{y}} + ay_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{16}	$=$	$(x_2 - y_2 + z_2) \mathbf{a}_1 - (x_2 + y_2 + z_2) \mathbf{a}_2 + (x_2 + y_2 - z_2) \mathbf{a}_3$	$=$	$-az_2 \hat{\mathbf{x}} + ax_2 \hat{\mathbf{y}} - ay_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{17}	$=$	$(x_2 - y_2 + z_2) \mathbf{a}_1 + (x_2 + y_2 - z_2) \mathbf{a}_2 + (-x_2 + y_2 + z_2) \mathbf{a}_3$	$=$	$ay_2 \hat{\mathbf{x}} + az_2 \hat{\mathbf{y}} + ax_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{18}	$=$	$(-x_2 + y_2 + z_2) \mathbf{a}_1 - (x_2 + y_2 + z_2) \mathbf{a}_2 + (x_2 - y_2 + z_2) \mathbf{a}_3$	$=$	$-ay_2 \hat{\mathbf{x}} + az_2 \hat{\mathbf{y}} - ax_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{19}	$=$	$-(x_2 + y_2 + z_2) \mathbf{a}_1 + (-x_2 + y_2 + z_2) \mathbf{a}_2 + (x_2 + y_2 - z_2) \mathbf{a}_3$	$=$	$ay_2 \hat{\mathbf{x}} - az_2 \hat{\mathbf{y}} - ax_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{20}	$=$	$(x_2 + y_2 - z_2) \mathbf{a}_1 + (x_2 - y_2 + z_2) \mathbf{a}_2 - (x_2 + y_2 + z_2) \mathbf{a}_3$	$=$	$-ay_2 \hat{\mathbf{x}} - az_2 \hat{\mathbf{y}} + ax_2 \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{21}	$=$	$(x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_1 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_2 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_2 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_2 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{22}	$=$	$-(x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_1 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_2 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_2 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_2 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{23}	$=$	$-(x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_1 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_2 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_2 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_2 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{24}	$=$	$(x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_1 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_2 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_2 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_2 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{25}	$=$	$-(x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_1 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_2 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_2 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_2 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{26}	$=$	$(x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_1 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_2 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_2 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_2 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{27}	$=$	$(x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_1 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_2 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_2 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_2 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{28}	$=$	$-(x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_1 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_2 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_2 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_2 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{29}	$=$	$-(x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_1 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_2 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_2 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_2 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{30}	$=$	$(x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_1 + (x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_2 - (x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_2 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_2 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I

\mathbf{B}_{31}	$=$	$(x_2 + y_2 + z_2 + \frac{1}{4}) \mathbf{a}_1 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_2 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_2 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_2 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_2 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{32}	$=$	$-(x_2 + y_2 - z_2 - \frac{1}{4}) \mathbf{a}_1 - (x_2 - y_2 + z_2 - \frac{1}{4}) \mathbf{a}_2 + (x_2 - y_2 - z_2 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_2 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_2 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_2 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H I
\mathbf{B}_{33}	$=$	$(-x_3 + y_3 + z_3) \mathbf{a}_1 + (x_3 - y_3 + z_3) \mathbf{a}_2 + (x_3 + y_3 - z_3) \mathbf{a}_3$	$=$	$ax_3 \hat{\mathbf{x}} + ay_3 \hat{\mathbf{y}} + az_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{34}	$=$	$(x_3 - y_3 + z_3) \mathbf{a}_1 + (-x_3 + y_3 + z_3) \mathbf{a}_2 - (x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$-ax_3 \hat{\mathbf{x}} - ay_3 \hat{\mathbf{y}} + az_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{35}	$=$	$(x_3 + y_3 - z_3) \mathbf{a}_1 - (x_3 + y_3 + z_3) \mathbf{a}_2 + (-x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$-ax_3 \hat{\mathbf{x}} + ay_3 \hat{\mathbf{y}} - az_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{36}	$=$	$-(x_3 + y_3 + z_3) \mathbf{a}_1 + (x_3 + y_3 - z_3) \mathbf{a}_2 + (x_3 - y_3 + z_3) \mathbf{a}_3$	$=$	$ax_3 \hat{\mathbf{x}} - ay_3 \hat{\mathbf{y}} - az_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{37}	$=$	$(x_3 + y_3 - z_3) \mathbf{a}_1 + (-x_3 + y_3 + z_3) \mathbf{a}_2 + (x_3 - y_3 + z_3) \mathbf{a}_3$	$=$	$az_3 \hat{\mathbf{x}} + ax_3 \hat{\mathbf{y}} + ay_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{38}	$=$	$-(x_3 + y_3 + z_3) \mathbf{a}_1 + (x_3 - y_3 + z_3) \mathbf{a}_2 + (-x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$az_3 \hat{\mathbf{x}} - ax_3 \hat{\mathbf{y}} - ay_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{39}	$=$	$(-x_3 + y_3 + z_3) \mathbf{a}_1 + (x_3 + y_3 - z_3) \mathbf{a}_2 - (x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$-az_3 \hat{\mathbf{x}} - ax_3 \hat{\mathbf{y}} + ay_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{40}	$=$	$(x_3 - y_3 + z_3) \mathbf{a}_1 - (x_3 + y_3 + z_3) \mathbf{a}_2 + (x_3 + y_3 - z_3) \mathbf{a}_3$	$=$	$-az_3 \hat{\mathbf{x}} + ax_3 \hat{\mathbf{y}} - ay_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{41}	$=$	$(x_3 - y_3 + z_3) \mathbf{a}_1 + (x_3 + y_3 - z_3) \mathbf{a}_2 + (-x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$ay_3 \hat{\mathbf{x}} + az_3 \hat{\mathbf{y}} + ax_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{42}	$=$	$(-x_3 + y_3 + z_3) \mathbf{a}_1 - (x_3 + y_3 + z_3) \mathbf{a}_2 + (x_3 - y_3 + z_3) \mathbf{a}_3$	$=$	$-ay_3 \hat{\mathbf{x}} + az_3 \hat{\mathbf{y}} - ax_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{43}	$=$	$-(x_3 + y_3 + z_3) \mathbf{a}_1 + (-x_3 + y_3 + z_3) \mathbf{a}_2 + (x_3 + y_3 - z_3) \mathbf{a}_3$	$=$	$ay_3 \hat{\mathbf{x}} - az_3 \hat{\mathbf{y}} - ax_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{44}	$=$	$(x_3 + y_3 - z_3) \mathbf{a}_1 + (x_3 - y_3 + z_3) \mathbf{a}_2 - (x_3 + y_3 + z_3) \mathbf{a}_3$	$=$	$-ay_3 \hat{\mathbf{x}} - az_3 \hat{\mathbf{y}} + ax_3 \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{45}	$=$	$(x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_1 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_2 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_3 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_3 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{46}	$=$	$-(x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_1 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_2 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_3 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_3 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II

\mathbf{B}_{47}	$=$	$-(x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_1 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_2 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_3 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_3 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{48}	$=$	$(x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_1 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_2 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_3 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_3 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{49}	$=$	$-(x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_1 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_2 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_3 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_3 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{50}	$=$	$(x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_1 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_2 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_3 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_3 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{51}	$=$	$(x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_1 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_2 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_3 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_3 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{52}	$=$	$-(x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_1 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_2 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_3 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_3 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{53}	$=$	$-(x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_1 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_2 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_3 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_3 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{54}	$=$	$(x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_1 + (x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_2 - (x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_3 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_3 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{55}	$=$	$(x_3 + y_3 + z_3 + \frac{1}{4}) \mathbf{a}_1 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_2 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_3 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_3 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_3 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{56}	$=$	$-(x_3 + y_3 - z_3 - \frac{1}{4}) \mathbf{a}_1 - (x_3 - y_3 + z_3 - \frac{1}{4}) \mathbf{a}_2 + (x_3 - y_3 - z_3 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_3 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_3 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_3 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H II
\mathbf{B}_{57}	$=$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 + (x_4 - y_4 + z_4) \mathbf{a}_2 + (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{58}	$=$	$(x_4 - y_4 + z_4) \mathbf{a}_1 + (-x_4 + y_4 + z_4) \mathbf{a}_2 - (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{59}	$=$	$(x_4 + y_4 - z_4) \mathbf{a}_1 - (x_4 + y_4 + z_4) \mathbf{a}_2 + (-x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{60}	$=$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 + (x_4 + y_4 - z_4) \mathbf{a}_2 + (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{61}	$=$	$(x_4 + y_4 - z_4) \mathbf{a}_1 + (-x_4 + y_4 + z_4) \mathbf{a}_2 + (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{62}	$=$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 + (x_4 - y_4 + z_4) \mathbf{a}_2 + (-x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(96h)	H III

$\mathbf{B}_{63} =$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	=	$-az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{64} =$	$(x_4 - y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	=	$-az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{65} =$	$(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	=	$ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{66} =$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	=	$-ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{67} =$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	=	$ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{68} =$	$(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	=	$-ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{69} =$	$(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_3$	=	$a(y_4 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_4 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{70} =$	$-(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(y_4 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_4 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{71} =$	$-(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_3$	=	$a(y_4 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_4 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{72} =$	$(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_3$	=	$-a(y_4 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_4 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{73} =$	$-(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_3$	=	$a(x_4 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_4 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{74} =$	$(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(x_4 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_4 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{75} =$	$(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(x_4 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_4 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{76} =$	$-(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_3$	=	$a(x_4 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_4 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{77} =$	$-(x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_3$	=	$a(z_4 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_4 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
$\mathbf{B}_{78} =$	$(x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_3$	=	$a(z_4 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_4 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III

\mathbf{B}_{79}	$=$	$(x_4 + y_4 + z_4 + \frac{1}{4}) \mathbf{a}_1 + (x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_2 - (x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_4 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_4 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_4 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{80}	$=$	$-(x_4 + y_4 - z_4 - \frac{1}{4}) \mathbf{a}_1 - (x_4 - y_4 + z_4 - \frac{1}{4}) \mathbf{a}_2 + (x_4 - y_4 - z_4 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_4 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_4 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_4 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H III
\mathbf{B}_{81}	$=$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 + (x_5 - y_5 + z_5) \mathbf{a}_2 + (x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{82}	$=$	$(x_5 - y_5 + z_5) \mathbf{a}_1 + (-x_5 + y_5 + z_5) \mathbf{a}_2 - (x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{83}	$=$	$(x_5 + y_5 - z_5) \mathbf{a}_1 - (x_5 + y_5 + z_5) \mathbf{a}_2 + (-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{84}	$=$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 + (x_5 + y_5 - z_5) \mathbf{a}_2 + (x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{85}	$=$	$(x_5 + y_5 - z_5) \mathbf{a}_1 + (-x_5 + y_5 + z_5) \mathbf{a}_2 + (x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{86}	$=$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 + (x_5 - y_5 + z_5) \mathbf{a}_2 + (-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{87}	$=$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 + (x_5 + y_5 - z_5) \mathbf{a}_2 - (x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{88}	$=$	$(x_5 - y_5 + z_5) \mathbf{a}_1 - (x_5 + y_5 + z_5) \mathbf{a}_2 + (x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$-az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{89}	$=$	$(x_5 - y_5 + z_5) \mathbf{a}_1 + (x_5 + y_5 - z_5) \mathbf{a}_2 + (-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{90}	$=$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 - (x_5 + y_5 + z_5) \mathbf{a}_2 + (x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$-ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{91}	$=$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 + (-x_5 + y_5 + z_5) \mathbf{a}_2 + (x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{92}	$=$	$(x_5 + y_5 - z_5) \mathbf{a}_1 + (x_5 - y_5 + z_5) \mathbf{a}_2 - (x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{93}	$=$	$(x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_1 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_2 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_5 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_5 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{94}	$=$	$-(x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_1 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_2 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_5 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_5 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV

\mathbf{B}_{95}	$=$	$-(x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_1 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_2 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(y_5 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_5 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{96}	$=$	$(x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_1 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_2 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(y_5 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_5 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{97}	$=$	$-(x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_1 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_2 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_5 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_5 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{98}	$=$	$(x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_1 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_2 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_5 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_5 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{99}	$=$	$(x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_1 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_2 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(x_5 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_5 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{100}	$=$	$-(x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_1 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_2 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(x_5 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_5 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{101}	$=$	$-(x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_1 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_2 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_5 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_5 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{102}	$=$	$(x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_1 + (x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_2 - (x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$a(z_5 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_5 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{103}	$=$	$(x_5 + y_5 + z_5 + \frac{1}{4}) \mathbf{a}_1 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_2 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_5 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_5 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_5 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{104}	$=$	$-(x_5 + y_5 - z_5 - \frac{1}{4}) \mathbf{a}_1 - (x_5 - y_5 + z_5 - \frac{1}{4}) \mathbf{a}_2 + (x_5 - y_5 - z_5 + \frac{1}{4}) \mathbf{a}_3$	$=$	$-a(z_5 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_5 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_5 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	H IV
\mathbf{B}_{105}	$=$	$(-x_6 + y_6 + z_6) \mathbf{a}_1 + (x_6 - y_6 + z_6) \mathbf{a}_2 + (x_6 + y_6 - z_6) \mathbf{a}_3$	$=$	$ax_6 \hat{\mathbf{x}} + ay_6 \hat{\mathbf{y}} + az_6 \hat{\mathbf{z}}$	(96h)	O I
\mathbf{B}_{106}	$=$	$(x_6 - y_6 + z_6) \mathbf{a}_1 + (-x_6 + y_6 + z_6) \mathbf{a}_2 - (x_6 + y_6 + z_6) \mathbf{a}_3$	$=$	$-ax_6 \hat{\mathbf{x}} - ay_6 \hat{\mathbf{y}} + az_6 \hat{\mathbf{z}}$	(96h)	O I
\mathbf{B}_{107}	$=$	$(x_6 + y_6 - z_6) \mathbf{a}_1 - (x_6 + y_6 + z_6) \mathbf{a}_2 + (-x_6 + y_6 + z_6) \mathbf{a}_3$	$=$	$-ax_6 \hat{\mathbf{x}} + ay_6 \hat{\mathbf{y}} - az_6 \hat{\mathbf{z}}$	(96h)	O I
\mathbf{B}_{108}	$=$	$-(x_6 + y_6 + z_6) \mathbf{a}_1 + (x_6 + y_6 - z_6) \mathbf{a}_2 + (x_6 - y_6 + z_6) \mathbf{a}_3$	$=$	$ax_6 \hat{\mathbf{x}} - ay_6 \hat{\mathbf{y}} - az_6 \hat{\mathbf{z}}$	(96h)	O I
\mathbf{B}_{109}	$=$	$(x_6 + y_6 - z_6) \mathbf{a}_1 + (-x_6 + y_6 + z_6) \mathbf{a}_2 + (x_6 - y_6 + z_6) \mathbf{a}_3$	$=$	$az_6 \hat{\mathbf{x}} + ax_6 \hat{\mathbf{y}} + ay_6 \hat{\mathbf{z}}$	(96h)	O I
\mathbf{B}_{110}	$=$	$-(x_6 + y_6 + z_6) \mathbf{a}_1 + (x_6 - y_6 + z_6) \mathbf{a}_2 + (-x_6 + y_6 + z_6) \mathbf{a}_3$	$=$	$az_6 \hat{\mathbf{x}} - ax_6 \hat{\mathbf{y}} - ay_6 \hat{\mathbf{z}}$	(96h)	O I

$\mathbf{B}_{111} =$	$(-x_6 + y_6 + z_6) \mathbf{a}_1 +$ $(x_6 + y_6 - z_6) \mathbf{a}_2 -$ $(x_6 + y_6 + z_6) \mathbf{a}_3$	=	$-az_6 \hat{\mathbf{x}} - ax_6 \hat{\mathbf{y}} + ay_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{112} =$	$(x_6 - y_6 + z_6) \mathbf{a}_1 -$ $(x_6 + y_6 + z_6) \mathbf{a}_2 +$ $(x_6 + y_6 - z_6) \mathbf{a}_3$	=	$-az_6 \hat{\mathbf{x}} + ax_6 \hat{\mathbf{y}} - ay_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{113} =$	$(x_6 - y_6 + z_6) \mathbf{a}_1 +$ $(x_6 + y_6 - z_6) \mathbf{a}_2 +$ $(-x_6 + y_6 + z_6) \mathbf{a}_3$	=	$ay_6 \hat{\mathbf{x}} + az_6 \hat{\mathbf{y}} + ax_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{114} =$	$(-x_6 + y_6 + z_6) \mathbf{a}_1 -$ $(x_6 + y_6 + z_6) \mathbf{a}_2 +$ $(x_6 - y_6 + z_6) \mathbf{a}_3$	=	$-ay_6 \hat{\mathbf{x}} + az_6 \hat{\mathbf{y}} - ax_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{115} =$	$-(x_6 + y_6 + z_6) \mathbf{a}_1 +$ $(-x_6 + y_6 + z_6) \mathbf{a}_2 +$ $(x_6 + y_6 - z_6) \mathbf{a}_3$	=	$ay_6 \hat{\mathbf{x}} - az_6 \hat{\mathbf{y}} - ax_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{116} =$	$(x_6 + y_6 - z_6) \mathbf{a}_1 +$ $(x_6 - y_6 + z_6) \mathbf{a}_2 -$ $(x_6 + y_6 + z_6) \mathbf{a}_3$	=	$-ay_6 \hat{\mathbf{x}} - az_6 \hat{\mathbf{y}} + ax_6 \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{117} =$	$(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_3$	=	$a(y_6 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_6 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{118} =$	$-(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(y_6 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_6 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{119} =$	$-(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_3$	=	$a(y_6 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_6 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{120} =$	$(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_3$	=	$-a(y_6 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_6 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{121} =$	$-(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_3$	=	$a(x_6 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_6 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{122} =$	$(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(x_6 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_6 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{123} =$	$(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_3$	=	$-a(x_6 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_6 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{124} =$	$-(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_3$	=	$a(x_6 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_6 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{125} =$	$-(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_3$	=	$a(z_6 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_6 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{126} =$	$(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_3$	=	$a(z_6 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_6 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I

$\mathbf{B}_{127} =$	$(x_6 + y_6 + z_6 + \frac{1}{4}) \mathbf{a}_1 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_3$	$= -a(z_6 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_6 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_6 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{128} =$	$-(x_6 + y_6 - z_6 - \frac{1}{4}) \mathbf{a}_1 -$ $(x_6 - y_6 + z_6 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_6 - y_6 - z_6 + \frac{1}{4}) \mathbf{a}_3$	$= -a(z_6 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_6 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_6 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O I
$\mathbf{B}_{129} =$	$(-x_7 + y_7 + z_7) \mathbf{a}_1 +$ $(x_7 - y_7 + z_7) \mathbf{a}_2 +$ $(x_7 + y_7 - z_7) \mathbf{a}_3$	$= ax_7 \hat{\mathbf{x}} + ay_7 \hat{\mathbf{y}} + az_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{130} =$	$(x_7 - y_7 + z_7) \mathbf{a}_1 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_2 -$ $(x_7 + y_7 + z_7) \mathbf{a}_3$	$= -ax_7 \hat{\mathbf{x}} - ay_7 \hat{\mathbf{y}} + az_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{131} =$	$(x_7 + y_7 - z_7) \mathbf{a}_1 -$ $(x_7 + y_7 + z_7) \mathbf{a}_2 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_3$	$= -ax_7 \hat{\mathbf{x}} + ay_7 \hat{\mathbf{y}} - az_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{132} =$	$-(x_7 + y_7 + z_7) \mathbf{a}_1 +$ $(x_7 + y_7 - z_7) \mathbf{a}_2 +$ $(x_7 - y_7 + z_7) \mathbf{a}_3$	$= ax_7 \hat{\mathbf{x}} - ay_7 \hat{\mathbf{y}} - az_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{133} =$	$(x_7 + y_7 - z_7) \mathbf{a}_1 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_2 +$ $(x_7 - y_7 + z_7) \mathbf{a}_3$	$= az_7 \hat{\mathbf{x}} + ax_7 \hat{\mathbf{y}} + ay_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{134} =$	$-(x_7 + y_7 + z_7) \mathbf{a}_1 +$ $(x_7 - y_7 + z_7) \mathbf{a}_2 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_3$	$= az_7 \hat{\mathbf{x}} - ax_7 \hat{\mathbf{y}} - ay_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{135} =$	$(-x_7 + y_7 + z_7) \mathbf{a}_1 +$ $(x_7 + y_7 - z_7) \mathbf{a}_2 -$ $(x_7 + y_7 + z_7) \mathbf{a}_3$	$= -az_7 \hat{\mathbf{x}} - ax_7 \hat{\mathbf{y}} + ay_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{136} =$	$(x_7 - y_7 + z_7) \mathbf{a}_1 -$ $(x_7 + y_7 + z_7) \mathbf{a}_2 +$ $(x_7 + y_7 - z_7) \mathbf{a}_3$	$= -az_7 \hat{\mathbf{x}} + ax_7 \hat{\mathbf{y}} - ay_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{137} =$	$(x_7 - y_7 + z_7) \mathbf{a}_1 +$ $(x_7 + y_7 - z_7) \mathbf{a}_2 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_3$	$= ay_7 \hat{\mathbf{x}} + az_7 \hat{\mathbf{y}} + ax_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{138} =$	$(-x_7 + y_7 + z_7) \mathbf{a}_1 -$ $(x_7 + y_7 + z_7) \mathbf{a}_2 +$ $(x_7 - y_7 + z_7) \mathbf{a}_3$	$= -ay_7 \hat{\mathbf{x}} + az_7 \hat{\mathbf{y}} - ax_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{139} =$	$-(x_7 + y_7 + z_7) \mathbf{a}_1 +$ $(-x_7 + y_7 + z_7) \mathbf{a}_2 +$ $(x_7 + y_7 - z_7) \mathbf{a}_3$	$= ay_7 \hat{\mathbf{x}} - az_7 \hat{\mathbf{y}} - ax_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{140} =$	$(x_7 + y_7 - z_7) \mathbf{a}_1 +$ $(x_7 - y_7 + z_7) \mathbf{a}_2 -$ $(x_7 + y_7 + z_7) \mathbf{a}_3$	$= -ay_7 \hat{\mathbf{x}} - az_7 \hat{\mathbf{y}} + ax_7 \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{141} =$	$(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_3$	$= a(y_7 + \frac{1}{4}) \hat{\mathbf{x}} + a(x_7 + \frac{1}{4}) \hat{\mathbf{y}} - a(z_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{142} =$	$-(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_3$	$= -a(y_7 - \frac{1}{4}) \hat{\mathbf{x}} - a(x_7 - \frac{1}{4}) \hat{\mathbf{y}} - a(z_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II

$\mathbf{B}_{143} =$	$-(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_3$	$= a(y_7 + \frac{1}{4}) \hat{\mathbf{x}} - a(x_7 - \frac{1}{4}) \hat{\mathbf{y}} + a(z_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{144} =$	$(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_3$	$= -a(y_7 - \frac{1}{4}) \hat{\mathbf{x}} + a(x_7 + \frac{1}{4}) \hat{\mathbf{y}} + a(z_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{145} =$	$-(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_3$	$= a(x_7 + \frac{1}{4}) \hat{\mathbf{x}} + a(z_7 + \frac{1}{4}) \hat{\mathbf{y}} - a(y_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{146} =$	$(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_3$	$= -a(x_7 - \frac{1}{4}) \hat{\mathbf{x}} + a(z_7 + \frac{1}{4}) \hat{\mathbf{y}} + a(y_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{147} =$	$(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_3$	$= -a(x_7 - \frac{1}{4}) \hat{\mathbf{x}} - a(z_7 - \frac{1}{4}) \hat{\mathbf{y}} - a(y_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{148} =$	$-(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_3$	$= a(x_7 + \frac{1}{4}) \hat{\mathbf{x}} - a(z_7 - \frac{1}{4}) \hat{\mathbf{y}} + a(y_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{149} =$	$-(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_3$	$= a(z_7 + \frac{1}{4}) \hat{\mathbf{x}} + a(y_7 + \frac{1}{4}) \hat{\mathbf{y}} - a(x_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{150} =$	$(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_3$	$= a(z_7 + \frac{1}{4}) \hat{\mathbf{x}} - a(y_7 - \frac{1}{4}) \hat{\mathbf{y}} + a(x_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{151} =$	$(x_7 + y_7 + z_7 + \frac{1}{4}) \mathbf{a}_1 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_2 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_3$	$= -a(z_7 - \frac{1}{4}) \hat{\mathbf{x}} + a(y_7 + \frac{1}{4}) \hat{\mathbf{y}} + a(x_7 + \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II
$\mathbf{B}_{152} =$	$-(x_7 + y_7 - z_7 - \frac{1}{4}) \mathbf{a}_1 -$ $(x_7 - y_7 + z_7 - \frac{1}{4}) \mathbf{a}_2 +$ $(x_7 - y_7 - z_7 + \frac{1}{4}) \mathbf{a}_3$	$= -a(z_7 - \frac{1}{4}) \hat{\mathbf{x}} - a(y_7 - \frac{1}{4}) \hat{\mathbf{y}} - a(x_7 - \frac{1}{4}) \hat{\mathbf{z}}$	(96h)	O II

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