$$
\begin{array}{llll}
X_1 = 0 & X_2 = l\sin\Theta\cos\Phi & X_3 = \sqrt{2}l\sin\left(\Theta+\dfrac{\pi}{2}\right)\cos\Phi & X_4 = \sqrt{2}l\sin\left(\Theta+\dfrac{\pi}{2}\right)\cos\left(\Phi+\dfrac{\pi}{2}\right) \\
Y_1 = 0 & Y_2 = l\sin\Theta\sin\Phi & Y_3 = \sqrt{2}l\sin\left(\Theta+\dfrac{\pi}{2}\right)\sin\Phi & Y_4 = \sqrt{2}l\sin\left(\Theta+\dfrac{\pi}{2}\right)\sin\left(\Phi+\dfrac{\pi}{2}\right) \\
Z_1 = R & Z_2 = l\cos\Theta & Z_3 = \sqrt{2}l\cos\left(\Theta+\dfrac{\pi}{2}\right) & Z_4 = \sqrt{2}l\cos\left(\Theta+\dfrac{\pi}{2}\right)
\end{array}
$$

Положим $\Theta = \Phi = \dfrac{\pi}{2}$, тогда:

$$
\begin{array}{lll}
X_2 = 0 & X_3 = 0 & X_4 = 0 \\
Y_2 = l & Y_3 = 0 & Y_4 = 0 \\
Z_2 = 0 & Z_3 = -\sqrt{2}l & Z_4 = -\sqrt{2}l
\end{array}
$$