

$$\begin{matrix}
 -1 & 0.866 & 0 & 0 & -0.866 & 0 \\
 0 & -0.866 & -0.5 & 0 & 0 & 0 \\
 0 & 0 & 0.5 & 0 & 0 & -1 \\
 0 & 0.5 & 0 & -0.6 & -1 & 0 \\
 0 & -0.5 & -0.866 & 0 & 0 & 0 \\
 0 & 0 & 0.866 & 1 & 0 & 0
 \end{matrix}$$

$x:$

$$\begin{aligned}
 ① \quad T_1 \cos 180 + T_2 \cos 30 + 0 + T_4 \cos 270 + T_5 \cos 216.9 + 0 &= 0 \\
 ② \quad 0 + T_2 \cos 210 + T_3 \cos 240 + 0 + 0 + 0 &= P_x \\
 ③ \quad 0 + 0 + T_3 \cos 60 + T_4 \cos 90 + 0 + T_6 \cos 180 &= 0
 \end{aligned}$$

$y:$

$$\begin{aligned}
 ① \quad T_1 \sin 180 + T_2 \sin 30 + 0 + T_4 \sin 270 + T_5 \sin 216.9 + 0 &= 0 \\
 ② \quad 0 + T_2 \sin 210 + T_3 \sin 240 + 0 + 0 + 0 &= P_y \\
 ③ \quad 0 + 0 + T_3 \sin 60 + T_4 \sin 90 + 0 + T_6 \sin 180 &= 0
 \end{aligned}$$

