

$$u_6 = \dots - \sum M(G) = 0$$

$$M(G)_{10} - u_6 \cdot \cos 36^\circ \cdot h_6 - H y(G) = 0$$

$$u_6 = \frac{1}{\cos 36^\circ} \left( \frac{M(G)_{10}}{h_6} - H \frac{y(G)}{h_6} \right)$$

$$u_7 = \dots - \sum M(G) = 0$$

$$M(G)_{10} - u_7 \cdot h_6 \cdot \cos 37^\circ = 0$$

$$u_7 = \frac{1}{\cos 37^\circ} \frac{M(G)_{10}}{h_6}$$

$$V_6 = -V_6' - \tan 36^\circ \left( \frac{M(G)_{10}}{h_6} - H \frac{y(G)}{h_6} \right) - \tan 37^\circ \frac{M(G)_{10}}{h_6} + H \tan 40^\circ$$

$$V_6 = -V_6' - \frac{M(G)_{10}}{10} - \frac{3}{20} M(G)_{10} + H \left( \frac{1}{22} + 1 \right)$$

$$V_6 = -V_6' - \frac{1}{4} M(G)_{10} + \frac{23}{22} H$$

$$\overset{(A)}{V_{6,10}} = -\overset{(A)}{V_6} - \frac{1}{4} \overset{(A)}{M(G)_{10}} = 0 \quad + \frac{23}{22} H^{(A)} = -23$$

$$\overset{(B)}{V_{6,10}} = -\overset{(B)}{V_6} - \frac{1}{4} \overset{(B)}{M(G)_{10}} = -1 \quad + \frac{23}{22} H^{(B)} = 23$$

$$V_{8,10} = -1\sqrt{8} - \frac{1}{4} (-8) + \frac{23}{22} \cdot 4 = 5$$

$$\tan 36^\circ = \frac{4}{4} = 1 \quad \cos 36^\circ = \frac{1}{\sqrt{2}}$$

$$h_6 = y(G) = 10$$

$$\tan 37^\circ = \frac{3}{4} = \frac{3}{2} \quad \cos 37^\circ = \frac{2}{\sqrt{13}}$$



$$\frac{1}{44} \cdot \sqrt{2}$$

