Exercise 4: Solve the phase problem for one F using two $F_H$’s

$|F_P| = 29.0$

$|F_{PH1}| = 26.0$

$|F_{PH2}| = 32.0$

Draw three circles with the three diameters (scale doesn’t matter)

Offset the PH1 circle from the P circle by $-FH1$

Offset the PH2 circle from the P circle by $-FH2$

Find the intersection of the circles.

$F_{H1} = 7.8 \quad \alpha_{H1} = 155^\circ$

$F_{H2} = 11.0 \quad \alpha_{H1} = 9^\circ$