

Viewing the truss as a rigid body, since F_B has a horizontal component, it can be determined that $A_x < 0$, $A_y > 0$, $E_y > 0$

$$+ \uparrow \Sigma E_y = 0 \rightarrow F_{DE_y} + E_y = 0 \rightarrow F_{DE_y} = -E_y < 0 \rightarrow F_{DE} < 0$$

Since they are collinear, $F_{CD} = F_{DE} < 0$

$$+ \rightarrow \Sigma E_x = 0 \rightarrow F_{DE_x} - F_{EF} = 0 \rightarrow F_{EF} = F_{DE_x} > 0$$

Since they are collinear, $F_{FG} = F_{GH} = F_{EF} > 0$

$$+ \uparrow \Sigma A_y = 0 \rightarrow F_{AB_y} + A_y = 0 \rightarrow F_{AB_y} = -A_y < 0 \rightarrow F_{AB} < 0$$

Since they are collinear, $F_{BC} = F_{AB} \neq 0$

$$+ \rightarrow \Sigma H_x = 0 \rightarrow F_{BH_x} + F_{CH_x} + F_{GH} - F_{AH} = 0 \rightarrow F_{AH} = F_{BH_x} + F_{CH_x} + F_{GH} > 0 \text{ (Since all three components are } > 0 \text{)}$$

Zero-force members:

CG , DF , CF