**Quiz #8.** A compound truss is loaded as shown. Determine the forces in members $EF$, $DE$, and $GJ$.

By $X$-joint properties and rigid-body principle, we may neglect the pair of forces $F_{BH}$ and $F_{FG}$, as well as the pair of forces $F_{CI}$ and $F_{FJ}$, in the FBD.

1. $F_{EF} = 46.9$ kN (C)
2. $F_{DE} = 25.5$ kN (C)
3. $F_{GJ} = F_{EJ}$
4. $F_{GJ} = 5.2$ kN (C)