The hand calculations and the model program match answers accurately.
Hand Calculations

\[
\Sigma F_z = q + q = A_y + C \\
\text{Symmetry} \rightarrow A_y = 2C \\
\Sigma F_x = A_z = 0 \\
\]

Zero Force Members:
AE, AF, AG
OC, OE, OF

By symmetry:
AE = FC = -15.20
AC = BC = 12.35
FE = 12.35

\[
\Sigma F_y = AE \times 15 + AG = 0 \\
\Sigma F_z = A_z = 0 \\
AE = -12.35, \quad AE = 12.35 \\
\]

FE = 12.35