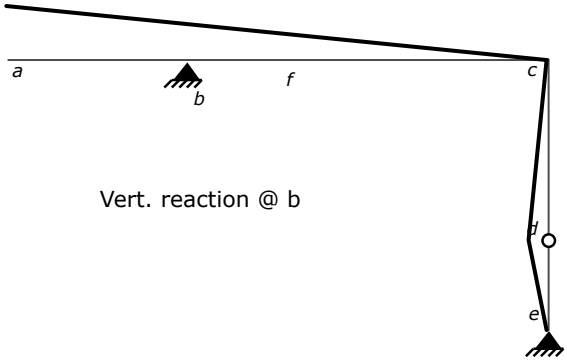
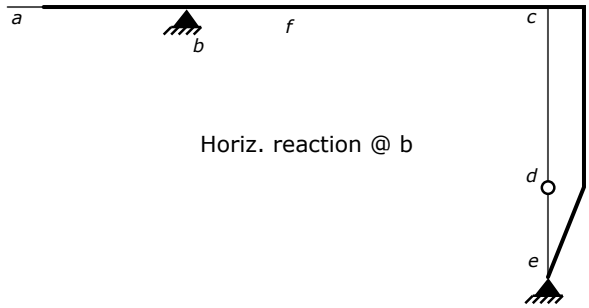
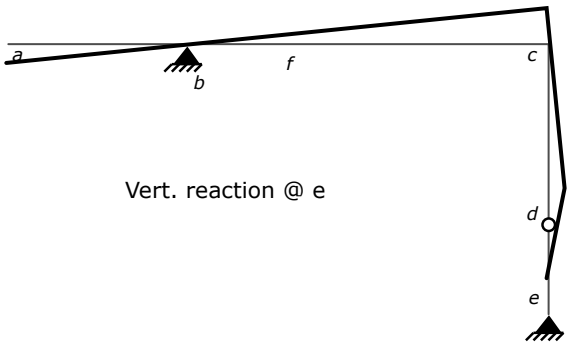


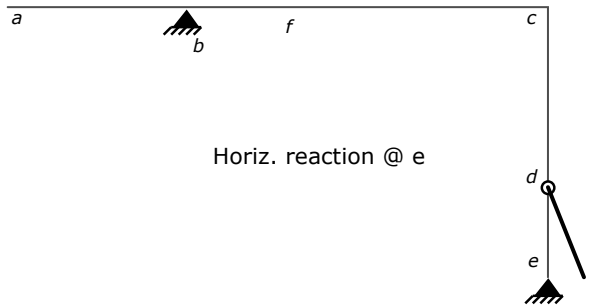
Vert. reaction @ b



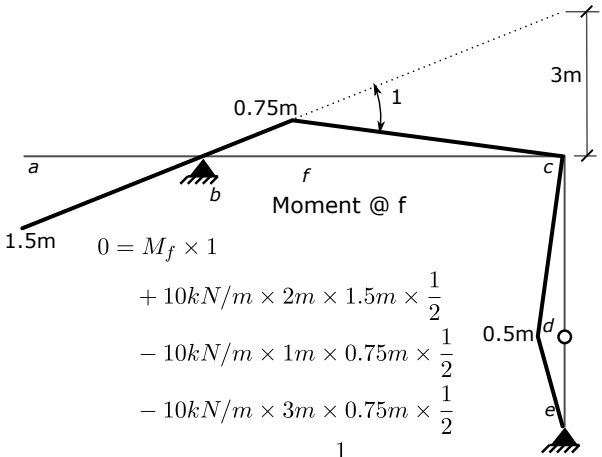
Horiz. reaction @ b



Vert. reaction @ e

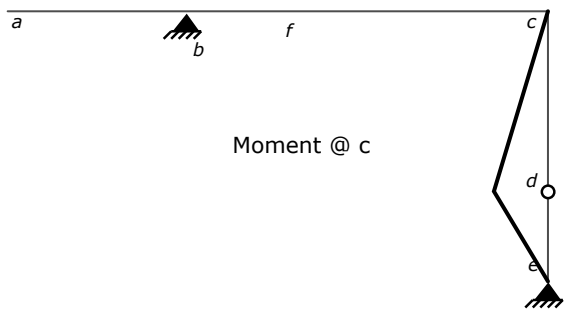


Horiz. reaction @ e

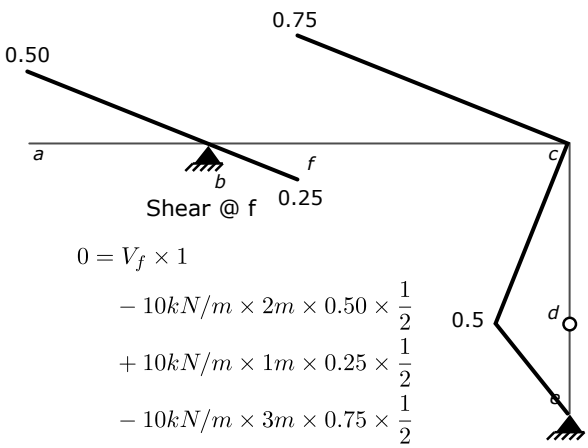


Moment @ f

$$
\begin{aligned}
0 &= M_f \times 1 \\
&+ 10kN/m \times 2m \times 1.5m \times \frac{1}{2} \\
&- 10kN/m \times 1m \times 0.75m \times \frac{1}{2} \\
&- 10kN/m \times 3m \times 0.75m \times \frac{1}{2} \\
&+ 20kN \times 0.5m \times \frac{1}{2} \\
&+ 20kN \times 0.5m \\
M_f &= -15kNm
\end{aligned}
$$

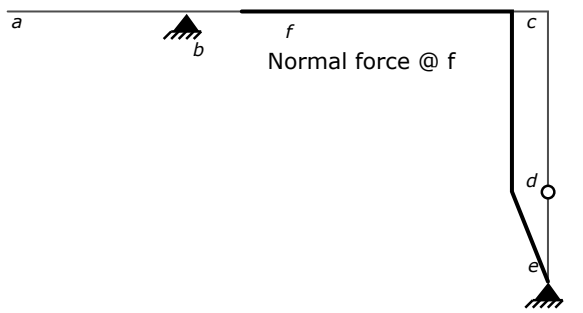


Moment @ c



Shear @ f

$$
\begin{aligned}
0 &= V_f \times 1 \\
&- 10kN/m \times 2m \times 0.50 \times \frac{1}{2} \\
&+ 10kN/m \times 1m \times 0.25 \times \frac{1}{2} \\
&- 10kN/m \times 3m \times 0.75 \times \frac{1}{2} \\
&+ 20kN \times 0.5 \times \frac{1}{2} \\
&+ 20kN \times 0.5 \\
V_f &= 0
\end{aligned}
$$



Normal force @ f