

Remarks: [See §13.3, page 596 till 608](#)

Answers:

- a. first degree (four unknown variables,
and only three equations)



- b. $A_h = 300 \text{ kN} \rightarrow$

$$A_v = 75 \text{ kN} \uparrow$$

$$B_h = 300 \text{ kN} \leftarrow$$

$$B_v = 200 \text{ kN} \uparrow$$

- c. $M_{D,\text{left}} = 200 \text{ kNm}$ (top)
 $M_{D,\text{right}} = 100 \text{ kNm}$ (top)
 $M_{D,\text{under}} = 100 \text{ kNm}$ (top)
 $M_{\text{max AD}} = 45 \text{ kNm}$ (under)