Remarks: See § 4.4, pages 168 till 170

Hints:

Calculate the location of the normal centre NC.
The sign of the stress at the NC is the sign of the normal force *N*.

Answer 4.16-1:

f

Explanation:

NC is in the web⇒ *N* is negative (compressive force)

Without *N*: tension above/compression below ⇒ $M \frown$

Answer 4.16-2:

c

Explanation:

NC is 20 mm from the bottom of the cross-section ⇒ *N* is positive (tensional force)

Without *N*: tension below/compression above ⇒ $M \smile$