Chapter 4, Members Subject to Bending and Extension

Remarks: See § 4.4, pages 168 till 170

Comments:

Number the profiles from [1] (top-left) to [9] (bottom-right).

Answers:

- a. 1, 3, 6, 7, 8 en 9
- b. 2, 4 en 5

Explanation:

- a. In these cross-sections, there is no normal stress at the NC $\sigma = 0$.
- b. In these cross-sections, there is a normal stress at the NC.

2 and 5:
$$\sigma > 0 \implies N > 0$$
 (tension)

4: $\sigma < 0 \implies N < 0$ (compression)

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