Exercise N°02

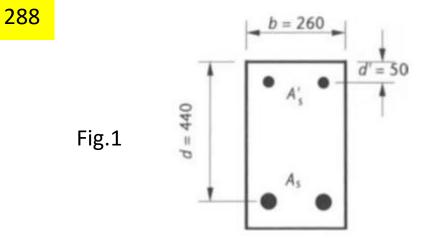
Homework

PART A:

The section shown in Figure 1 is subject to an ultimate design moment of 228 kN.m. The characteristic material strengths are

fyk= 460 N/mm² and fck = 30 N/mm^2 .

Determine the areas of reinforcement required.



PART B:

Determine the ultimate moment of resistance of the cross-section shown in Figure 2 given that the characteristic strengths

are fyk = 460 N/mm^2 for the reinforcement and fck = 30 N/mm^2 for the concrete.

