Problem Set 4

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Question 3

Explanation:

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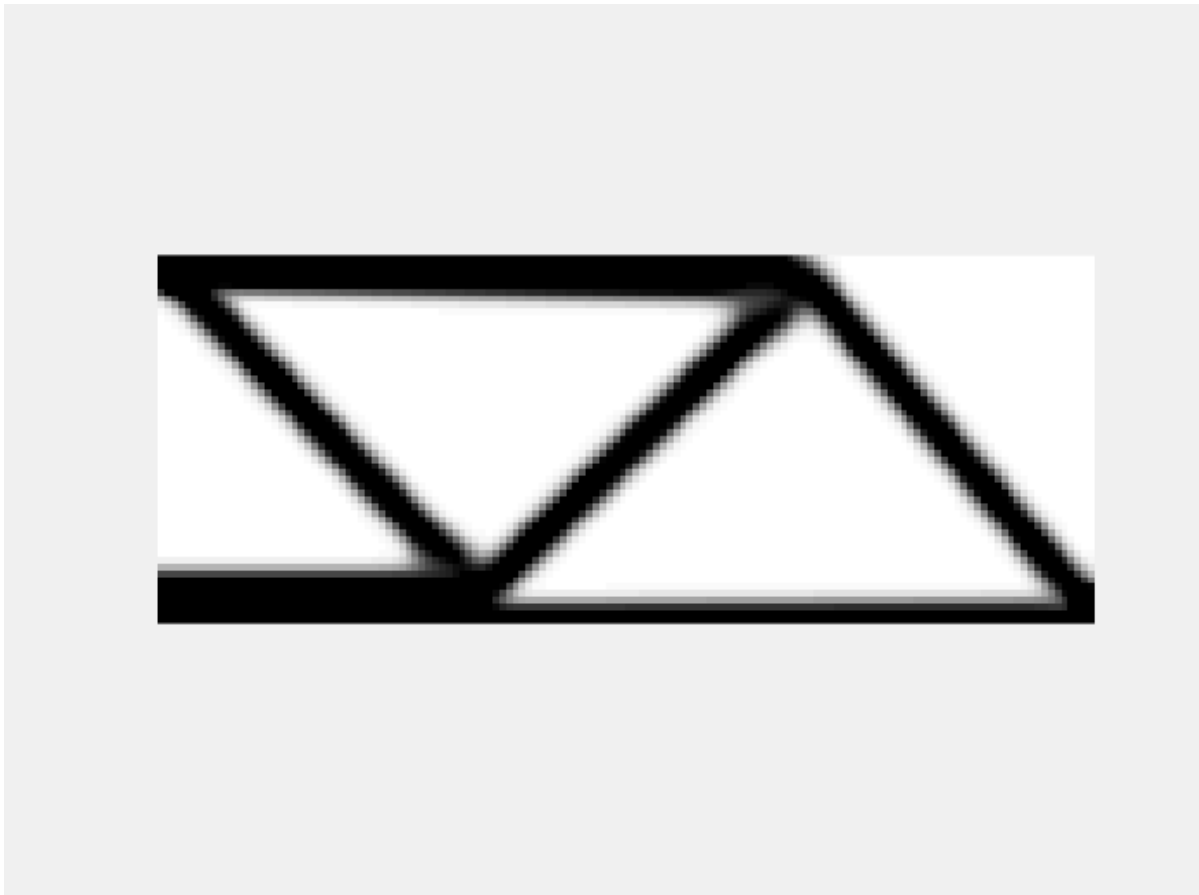A = 6, B = 7

Nel_x = 80 + 10*A = 140
Nel_y = 20 + 5*B = 55

The code to run in Matlab is
>>top(140, 55, 0.3, 3, 3)

Output:

Explanation:

The final optimised topology from thepenalisation factor of three has steps and grey regions in the points of the truss where the members connect. The choice for this factor is heuristically derived.