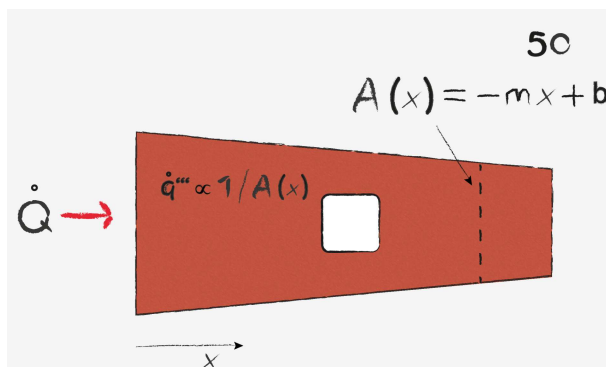




# Heat Conduction: Task 50



The image describes a trapezoid with area decreasing linearly from left to right and the heat production is inversely proportional to the area. Consider the heat flux is coming from the left.

1



The imposed heat flux indicates a negative temperature gradient. Decreasing area and the volumetric heat source cause the temperature profile to get steeper towards the right.