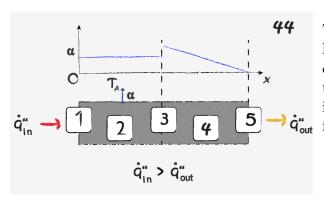
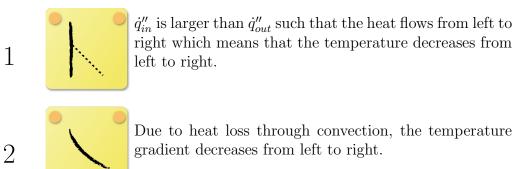


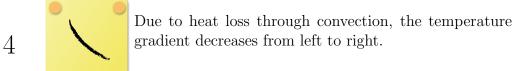
Heat Conduction: Task 44



The image describes a rectangular body with constant heat conduction coefficient from the left to the middle part and then decreasing linearly to the right. The heat flows from left to right.



Due to heat loss through convection, the temperature gradient decreases from left to right.



The gradient at the end of the material is negative due 5 to the imposed heat flux.