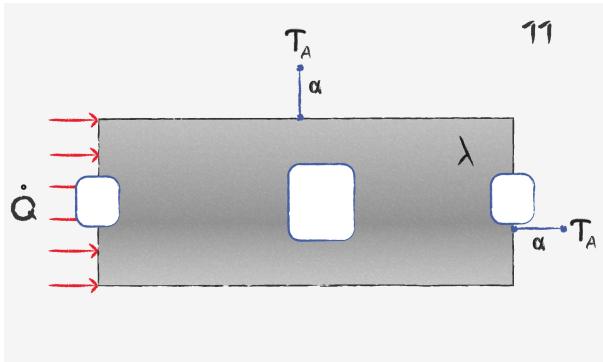


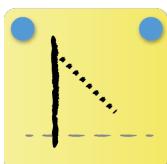


Axial Heat Flux: Task 11



The image describes a rectangular body with an imposed heat flux on the left, at the remaining surfaces heat is transported via convection.

1



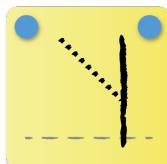
The imposed heat flux yields a positive profile.

2



Convection causes the specific heat flux to decrease. Due to temperature loss less heat is convected towards the right.

3



Convection at the wall leads to a positive specific heat flux.