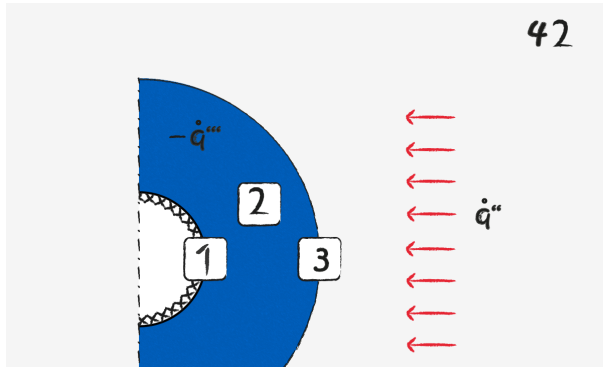# Heat Conduction: Task 42

The image describes semicircle. Consider the heat flux is in the right hand side and the heat loss is in the semicircle and center is adiabatic.

1

On the adiabatic wall the temperature gradient is zero.

2

On the adiabatic wall the temperature gradient is zero and due to the heat loss, the temperature gradient decreases from right to left.

3

The temperature gradient at the end of the material is increasing.