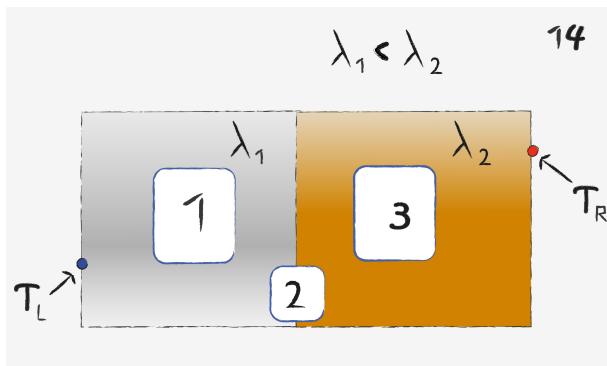


Heat Conduction: Task 14



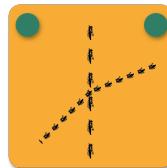
The image describes a rectangular body with two different heat conductivities and maximum temperature on the right side.

1



According to Fourier's law. At constant area and heat conductivity the temperature gradient increases linearly from left to right.

2



λ_1 is smaller than λ_2 which means the Temperature gradient in 1 is steeper than in 2

3



According to Fourier's law. At constant area and heat conductivity the temperature gradient increases linearly from left to right.