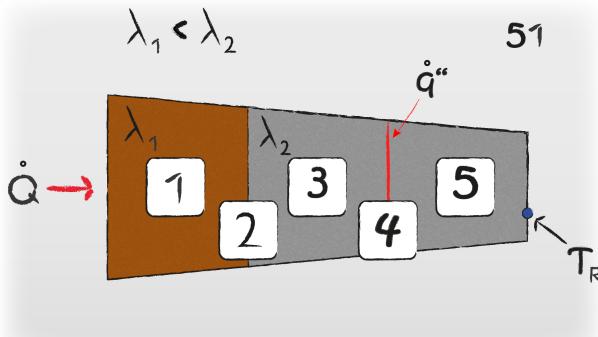
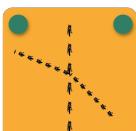


Heat Conduction: Task 51



The image describes two trapezoid and from left to right area is decreasing. Heat flux is coming from the left hand side and there is a heat source in the middle of the second trapezoid. Consider λ differences and low temperature on the right.

- 1  The area decreases from left to right so the temperature gradient increases.
- 2  λ_1 is smaller than λ_2 which means the Temperature gradient in 1 is steeper than in 2.
- 3  The area decreases from left to right so the temperature gradient increases.
- 4  Due to the heat production, the temperature gradient will be steeper from left to right.
- 5  The area decreases from left to right so the temperature gradient increases.