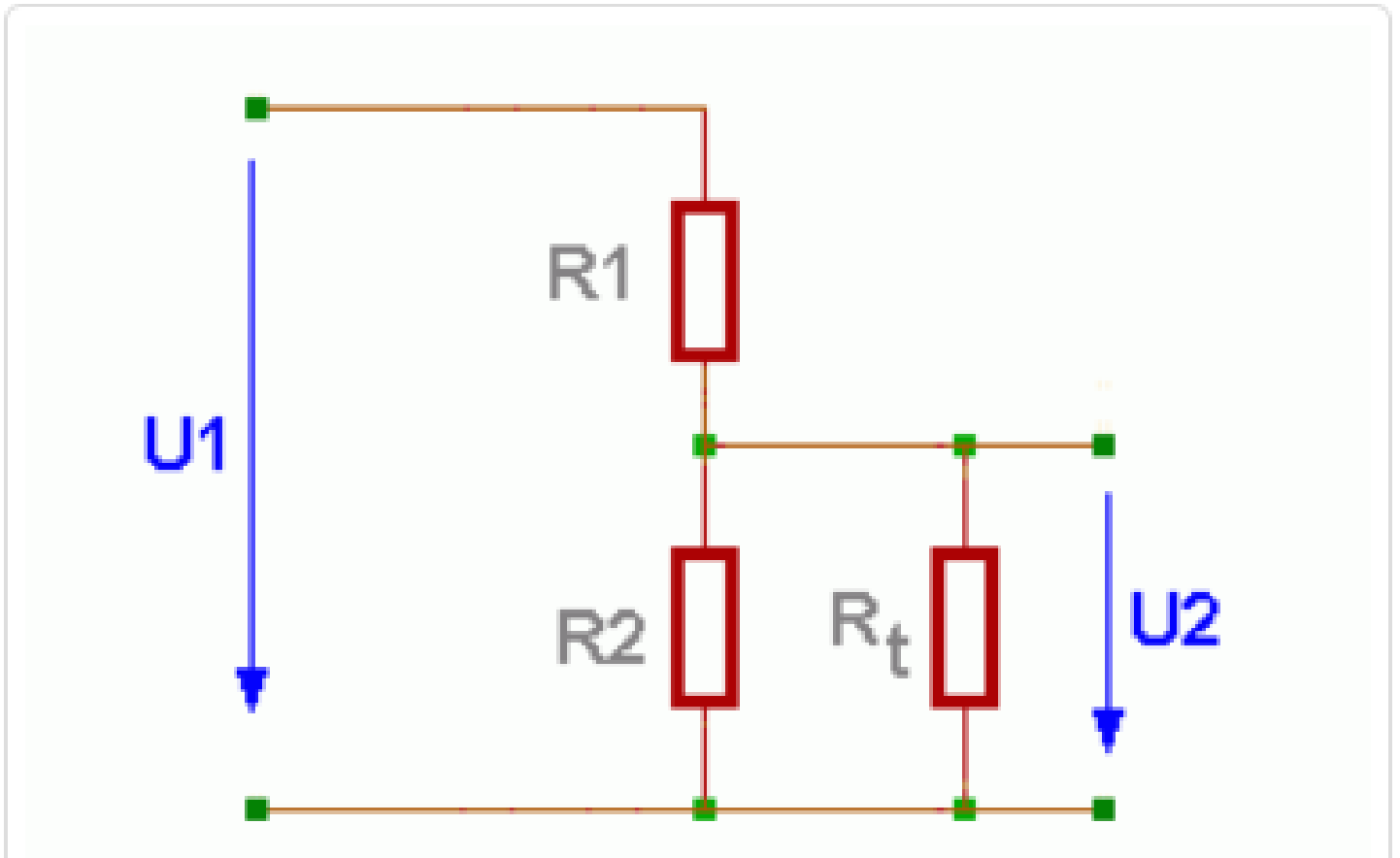


## Loaded voltage divider



How to count it?

Value of resultant resistance:  $R_1 + (R_2 \times R_t)$

Output voltage:

$$U_{kl} = U_{be} \cdot \frac{R_2 \times R_t}{R_1 + (R_2 \times R_t)}$$

When the voltage is measured, the connected voltage is lower than the real value due to the finite internal resistance of the instrument.