

# calc\_decimal\_example

## Student Group

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aus (0)	$A_V = \frac{U_A}{U_E}$	
	$A_V = \frac{U_A}{U_2 + U_D}$	mit (4): $U_E = U_2 + U_D$
	$A_V = \frac{U_A}{U_2 + U_D}$	
	$A_V = \frac{U_A}{U_2 + U_D}$	mit (10): $U_2 = U_A \cdot \frac{R_2}{R_1 + R_2}$
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	mit (1)
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	
	$A_V = \frac{U_A}{U_A \cdot \frac{R_2}{R_1 + R_2} + U_D}$	Erweitern mit $\frac{1}{U_A}$
	$A_V = \frac{1}{\frac{R_2}{R_1 + R_2} + \frac{U_D}{U_A}}$	
	$A_V = \frac{1}{\frac{R_2}{R_1 + R_2} + \frac{U_D}{U_A}}$	mit $\frac{1}{U_D} \cdot \frac{U_D}{U_A} \rightarrow \infty$ 0
	$A_V = \frac{1}{\frac{R_2}{R_1 + R_2}}$	Bruch umformen
	$A_V = \frac{R_1 + R_2}{R_2}$	

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