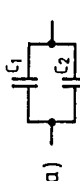
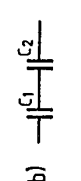
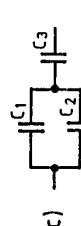


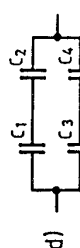
DER KONDENSATOR-RECHENBEISPIELE

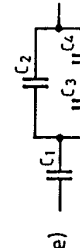
1. BERECHE DIE GESAMTKAPAZITÄT C

a)  $C_1 = 3 \mu\text{F}$
 $C_2 = 6 \mu\text{F}$ } $C =$ _____

b)  $C_1 = 3 \mu\text{F}$
 $C_2 = 9 \mu\text{F}$ } $C =$ _____

c)  $C_1 = C_2 = 2 \mu\text{F}$
 $C_3 = 5 \mu\text{F}$ } $C =$ _____

d)  $C_1 = C_2 = 2 \mu\text{F}$
 $C_3 = C_4 = 1 \mu\text{F}$ } $C =$ _____

e)  $C_1 = C_2 = 2 \mu\text{F}$
 $C_3 = C_4 = 0,5 \mu\text{F}$ } $C =$ _____


2. BERECHE DEN KAPAZITIVEN WIDERSTAND X_C

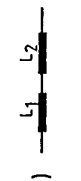
f	C	X_C
50 Hz	1 μF	
50 Hz	1 nF	
1 MHz	1 μF	
1 MHz	1 nF	


DARC Ausbildung **TECHNIK** Lektion 6 Folie 6


DIE SPULE - RECHENBEISPIELE

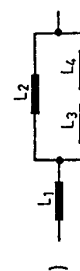
1. BERECHE DIE GESAMTINDUKTIVITÄT L

a)  $L_1 = 3 \text{ mH}$
 $L_2 = 6 \text{ mH}$ } $L =$ _____

b)  $L_1 = 3 \text{ mH}$
 $L_2 = 9 \text{ mH}$ } $L =$ _____

c)  $L_1 = L_2 = 2 \text{ mH}$
 $L_3 = 5 \text{ mH}$ } $L =$ _____

d)  $L_1 = L_2 = 2 \text{ mH}$
 $L_3 = L_4 = 1 \text{ mH}$ } $L =$ _____

e)  $L_1 = L_2 = 2 \text{ mH}$
 $L_3 = L_4 = 0,5 \text{ mH}$ } $L =$ _____

2. BERECHE DEN INDUKTIVEN WIDERSTAND X_L

f	L	X_L
50 Hz	10 mH	
50 Hz	100 mH	
1 MHz	10 mH	
1 MHz	100 mH	

DARC Ausbildung **TECHNIK** Lektion 4 Folie 4