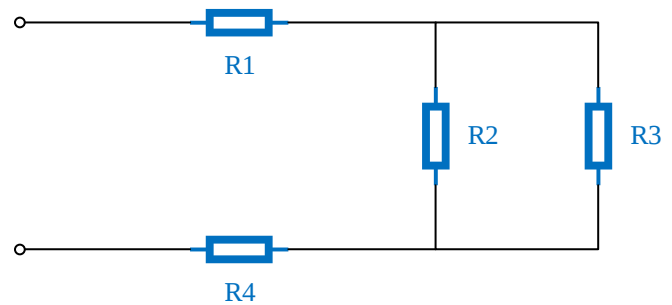


Selv Træning – Blandede Forbindelse 1

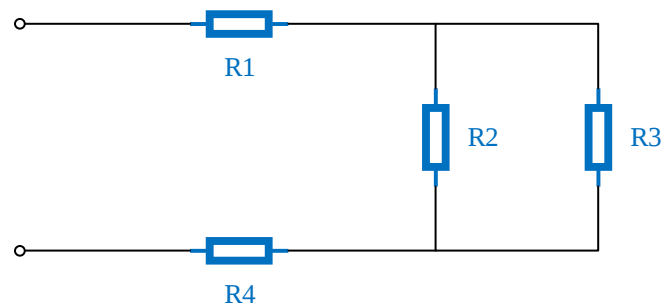
Opgave 1

	U	I	R
1			10Ω
2			20Ω
3			30Ω
4			40Ω
Total	100V		



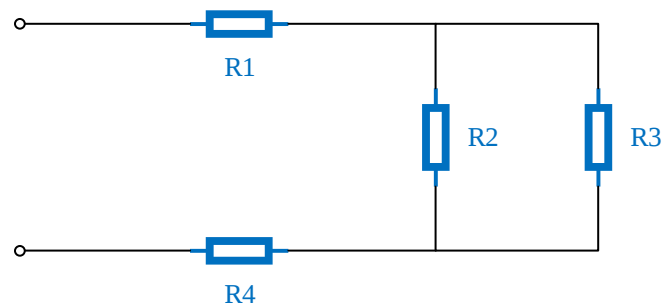
Opgave 2

	U	I	R
1			5Ω
2			35Ω
3			15Ω
4			10Ω
Total	50V		



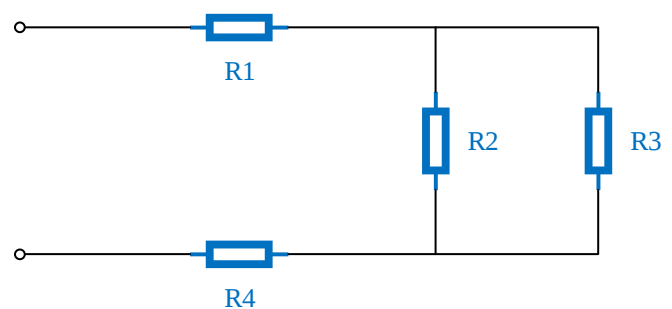
Opgave 3

	U	I	R
1	25V		
2		1,5A	
3			10Ω
4	40V		
Total		5A	



Opgave 4

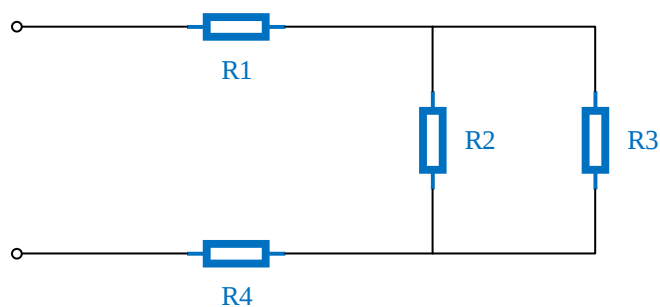
	U	I	R
1	40V		
2		1,5A	
3			20Ω
4	20V		
Total		5A	



Selv Træning – Blandede Forbindelse 1

Opgave 5

	U	I	R
1			25Ω
2		1,8A	
3		2,4A	35Ω
4			
Total	230V		



Løsning til blandet forbindelse 1

Opgave 1		U	I	R
	1	16,13V	1,61A	10Ω
	2	19,35V	0,9677A	20Ω
	3	19,35V	0,6452A	30Ω
	4	64,52V	1,61A	40Ω
	total	100V	1,61A	62Ω

Opgave 3		U	I	R
	1	25V	5A	5Ω
	2	35V	1,5A	23,33Ω
	3	35V	3,5A	10Ω
	4	40V	5A	8Ω
	total	100V	5A	20Ω

Opgave 2		U	I	R
	1	9,80V	1,96A	5Ω
	2	20,59V	0,5882A	35Ω
	3	20,59V	1,37A	15Ω
	4	19,61V	1,96A	10Ω
	total	50V	1,96A	25,5Ω

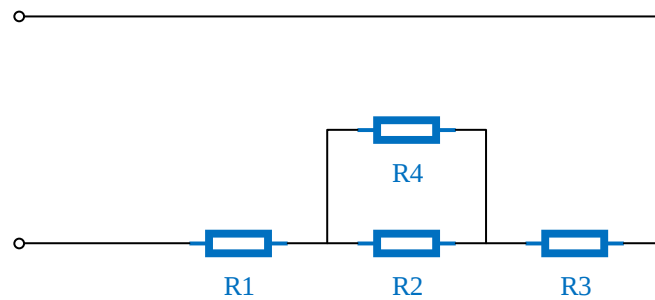
Opgave 4		U	I	R
	1	40V	5A	8Ω
	2	70V	1,5A	46,67Ω
	3	70V	3,5A	20Ω
	4	20V	5A	4Ω
	total	130V	5A	26Ω

Opgave 5		U	I	R
	1	105V	4,2A	25Ω
	2	84V	1,8A	46,67Ω
	3	84V	2,4A	35Ω
	4	41V	4,2A	9,76Ω
	total	230V	4,2A	54,76Ω

Selv Træning – Blandede Forbindelse 2

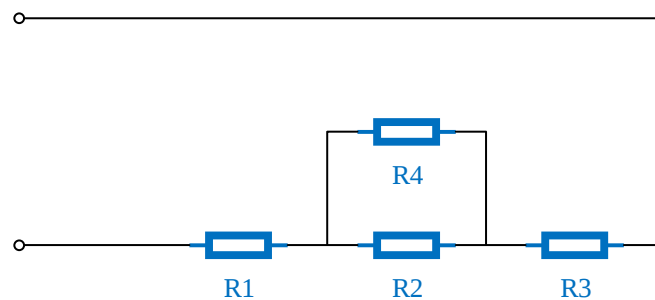
Opgave 1

	U	I	R
1			10Ω
2			20Ω
3			30Ω
4			40Ω
Total	100V		



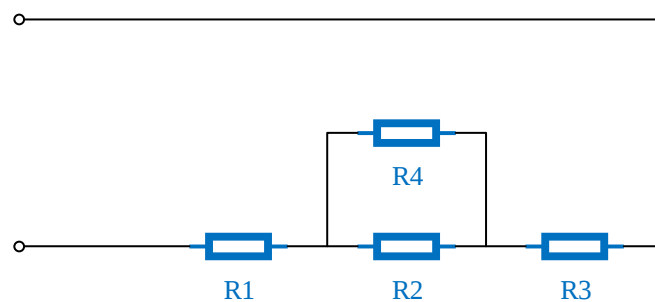
Opgave 2

	U	I	R
1			5Ω
2			29Ω
3			75Ω
4			65Ω
Total	250V		



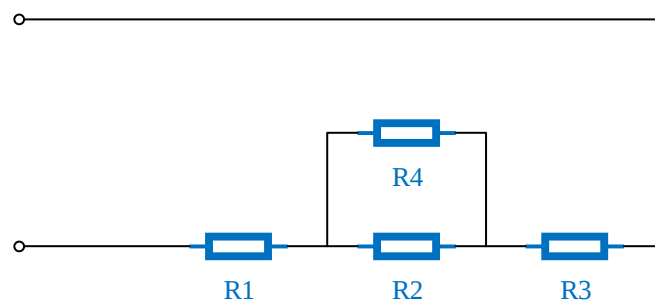
Opgave 3

	U	I	R
1	25V		
2	100V		50Ω
3	45V		
4			
Total		5A	



Opgave 4

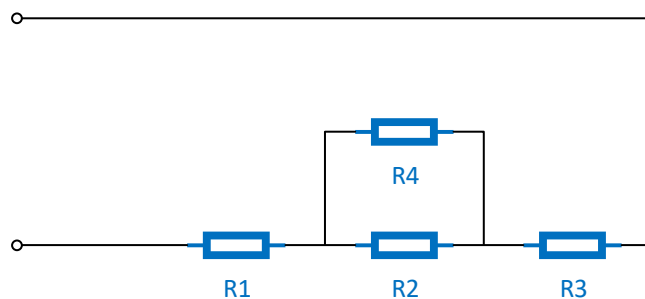
	U	I	R
1		3,5A	
2			20Ω
3			20Ω
4	40V		
Total	125V		



Selv Træning – Blandede Forbindelse 2

Opgave 5

	U	I	R
1	20V		
2	200V	2A	100Ω
3			
4			80Ω
Total			51,11Ω



Løsning til blandet forbindelse 2

Opgave 1		U	I	R
	1	18,75V	1,88A	10Ω
	2	25V	1,25A	20Ω
	3	56,25V	1,88A	30Ω
	4	25V	625mA	40Ω
	total	100V	1,88A	53,33Ω

Opgave 2		U	I	R
	1	12,49V	2,5A	5Ω
	2	50,11V	1,73A	29Ω
	3	187,4V	2,5A	75Ω
	4	50,11V	770,87mA	65Ω
	total	250V	2,5A	100,05Ω

Opgave 3		U	I	R
	1	25V	5A	5Ω
	2	100V	2A	50Ω
	3	45V	5A	9Ω
	4	100V	3A	33,33Ω
	total	170V	5A	34Ω

Opgave 4		U	I	R
	1	15V	3,5A	4,29Ω
	2	40V	2,00A	20Ω
	3	70V	3,50A	20Ω
	4	40V	1,5A	26,67Ω
	total	125V	3,5A	35,71Ω

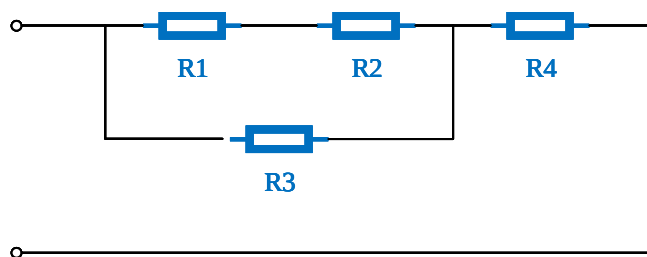
Opgave 5		U	I	R
	1	20V	4,5A	4,44Ω
	2	200V	2A	100Ω
	3	10V	4,5A	2,22Ω
	4	200V	2,5A	80Ω
	total	230V	4,5A	51,11Ω

Selv Træning – Blandede Forbindelse 3

Brug nu godt med decimaler!

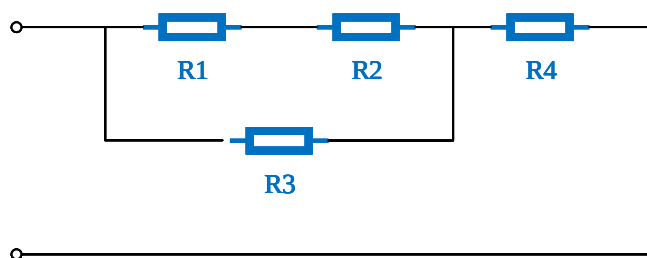
Opgave 1

	U	I	R
1			10Ω
2			20Ω
3			30Ω
4			40Ω
Total	100V		



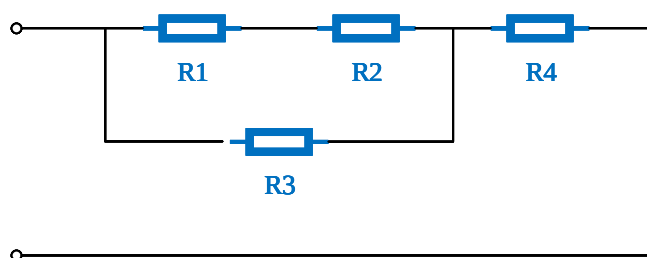
Opgave 2

	U	I	R
1			40Ω
2			30Ω
3			20Ω
4			10Ω
Total	50V		



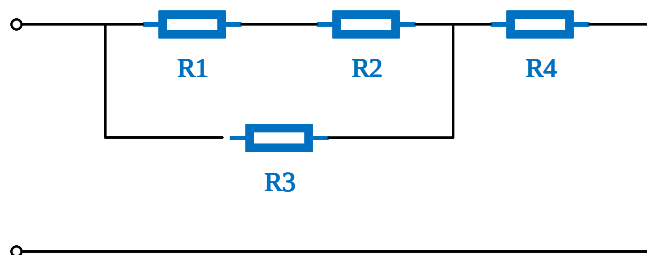
Opgave 3

	U	I	R
1	25V		
2		2A	
3	28V		
4		4A	
Total	55V		



Opgave 4

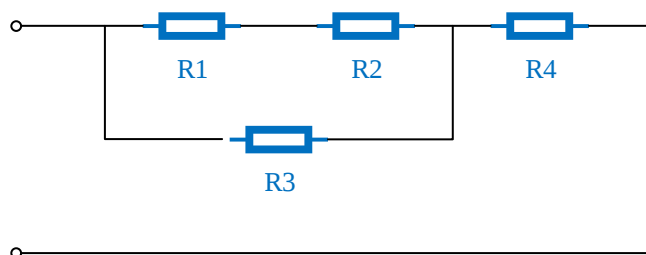
	U	I	R
1			
2	22V		1,05KΩ
3			
4			600mΩ
Total		2,28A	10,51Ω



Selv Træning – Blandede Forbindelse 3

Opgave 5

	U	I	R
1	12V		
2		1A	
3	20V		
4		5A	
Total	30V		



Løsning til blandet forbindelse 3

Opgave 1		U	I	R
	1	9,09V	909,09mA	10Ω
	2	18,18V	909,09mA	20Ω
	3	27,27V	909,09mA	30Ω
	4	72,73V	1,82A	40Ω
	Total	100V	1,82A	55Ω

Opgave 3		U	I	R
	1	25V	2A	12,5Ω
	2	3V	2A	1,5Ω
	3	28V	2A	14Ω
	4	27V	4A	6,75Ω
	Total	55V	4A	13,75Ω

Opgave 2		U	I	R
	1	17,39V	0,4348A	40Ω
	2	13,04V	0,4348A	30Ω
	3	30,43V	1,52A	20Ω
	4	19,57V	1,96A	10Ω
	Total	50V	1,96A	25,56Ω

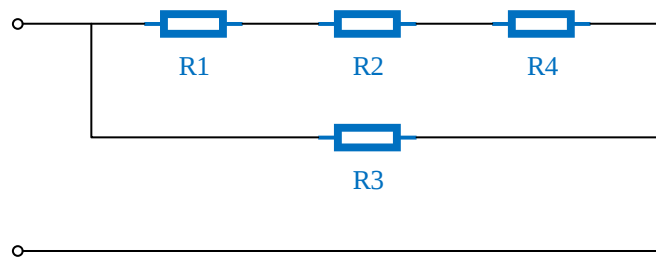
Opgave 4		U	I	R
	1	594,8mV	20,95mA	28,39Ω
	2	22V	20,95mA	1.050Ω
	3	22,59V	2,26A	10Ω
	4	1,37V	2,28A	0,6Ω
	Total	23,96V	2,28A	10,51Ω

Opgave 5		U	I	R
	1	12V	1A	12Ω
	2	8V	1A	8Ω
	3	20V	4A	5Ω
	4	10V	5A	2Ω
	Total	30V	5A	6Ω

Selv Træning – Blandede Forbindelse 4

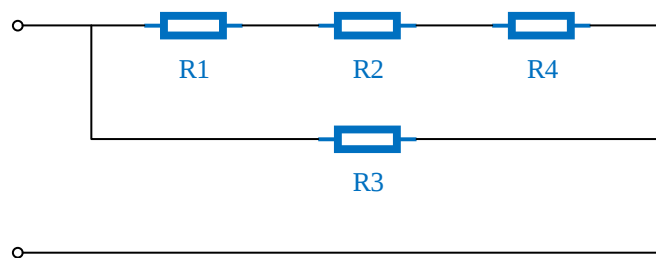
Opgave 1

	U	I	R
1			10Ω
2			20Ω
3			30Ω
4			40Ω
Total	100V		



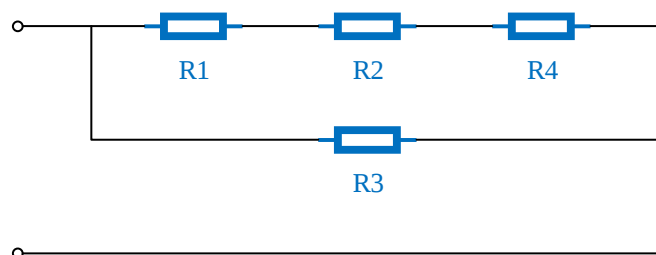
Opgave 2

	U	I	R
1			10Ω
2			15Ω
3			50Ω
4			5Ω
Total	50V		



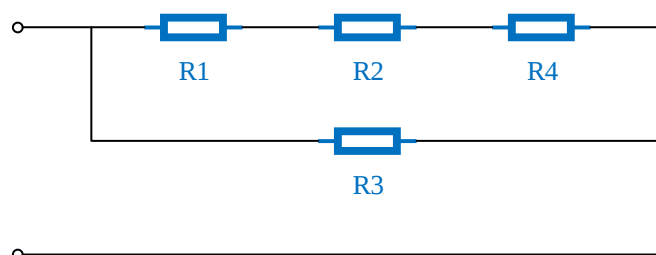
Opgave 3

	U	I	R
1	20V	2A	
2			20Ω
3	100V	2A	
4			
Total			



Opgave 4

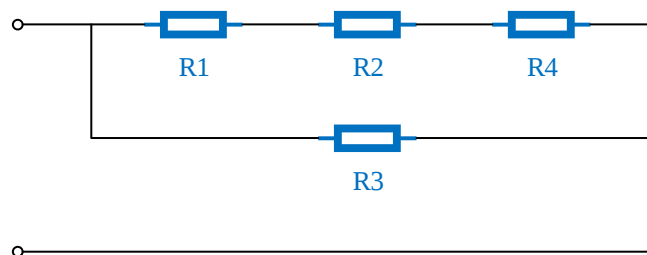
	U	I	R
1			4,5Ω
2			35,3Ω
3		500mA	
4			30Ω
Total	230V		



Selv Træning – Blandede Forbindelse 4

Opgave 5

	U	I	R
1			
2			33Ω
3			55Ω
4			23Ω
Total	80V		30Ω



Løsning til blandet forbindelse 4

Opgave 1		U	I	R
	1	14,29V	1,43A	10Ω
	2	28,57V	1,43A	20Ω
	3	100V	3,33A	30Ω
	4	57,14V	1,43A	40Ω
	Total	100V	4,76A	21Ω

Opgave 3		U	I	R
	1	20V	2A	10Ω
	2	40V	2A	20Ω
	3	100V	2A	50Ω
	4	40V	2A	20Ω
	Total	100V	4A	25Ω

Opgave 2		U	I	R
	1	16,67V	1,67A	10Ω
	2	25V	1,67A	15Ω
	3	50V	1A	50Ω
	4	8,33V	1,67A	5Ω
	Total	50V	2,67A	18,75Ω

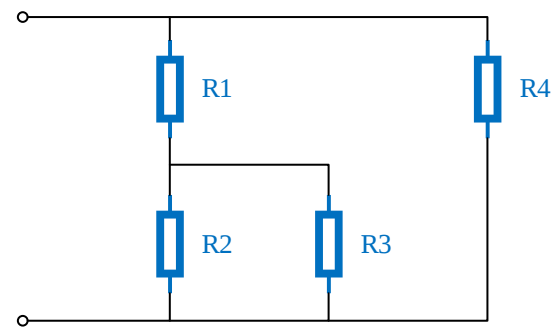
Opgave 4		U	I	R
	1	14,83V	3,3A	4,5Ω
	2	116,32V	3,3A	35,3Ω
	3	230V	0,5A	460Ω
	4	98,85V	3,3A	30Ω
	Total	230V	3,8A	60,6Ω

Opgave 5		U	I	R
	1	12,12V	1,21A	10Ω
	2	40V	1,21A	33Ω
	3	80V	1,45A	55Ω
	4	27,88V	1,21A	23Ω
	Total	80V	2,67A	30Ω

Selv Træning – Blandede Forbindelse 5

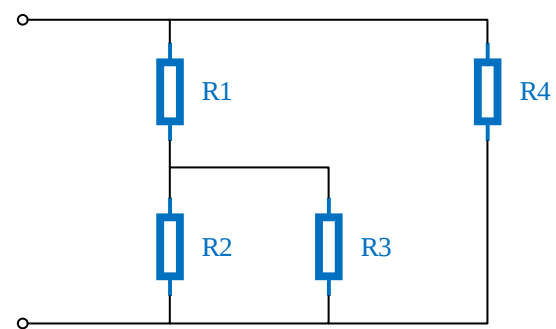
Opgave 1

	U	I	R
1			10Ω
2			20Ω
3			30Ω
4			40Ω
Total	100V		



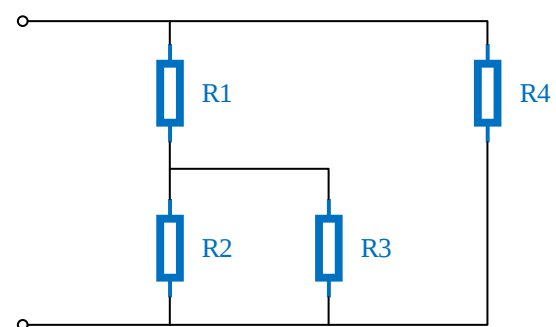
Opgave 2

	U	I	R
1			12Ω
2			3Ω
3			2Ω
4			20Ω
Total	50V		



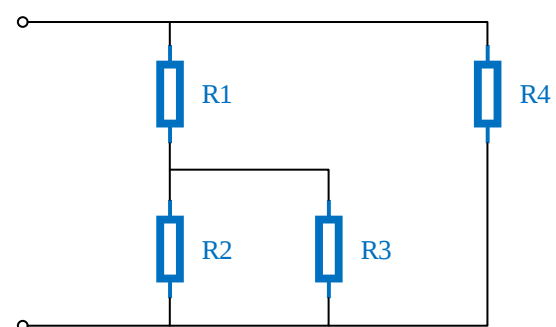
Opgave 3

	U	I	R
1			20Ω
2	30V		4Ω
3			
4		5,5A	
Total	220V		



Opgave 4

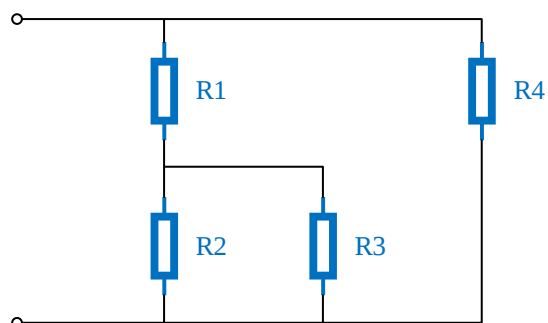
	U	I	R
1	10V		
2		2A	
3		2A	
4	30V		
Total		5A	



Selv Træning – Blandede Forbindelse 5

Opgave 5

	U	I	R
1		4A	
2			12Ω
3		1A	
4	70V		20Ω
Total			



Løsning til blandet forbindelse 5

Opgave 1		U	I	R
	1	45,45V	4,55A	10Ω
	2	54,55V	2,73A	20Ω
	3	54,55V	1,82A	30Ω
	4	100V	2,5A	40Ω
	Total	100V	7,05A	14,19Ω

Opgave 3		U	I	R
	1	190V	9,5A	20Ω
	2	30V	7,5A	4Ω
	3	30V	2A	15Ω
	4	220V	5,5A	40Ω
	Total	220V	15A	14,67Ω

Opgave 2		U	I	R
	1	45,45V	3,79A	12Ω
	2	4,55V	1,52A	3Ω
	3	4,55V	2,27A	2Ω
	4	50V	2,5A	20Ω
	Total	50V	6,29A	7,95Ω

Opgave 4		U	I	R
	1	10V	4A	2,5Ω
	2	20V	2A	10Ω
	3	20V	2A	10Ω
	4	30V	1A	30Ω
	Total	30V	5A	6Ω

Opgave 5		U	I	R
	1	34V	4A	8,5Ω
	2	36V	3A	12Ω
	3	36V	1A	36Ω
	4	70V	3,5A	20Ω
	Total	70V	7,5A	9,33Ω