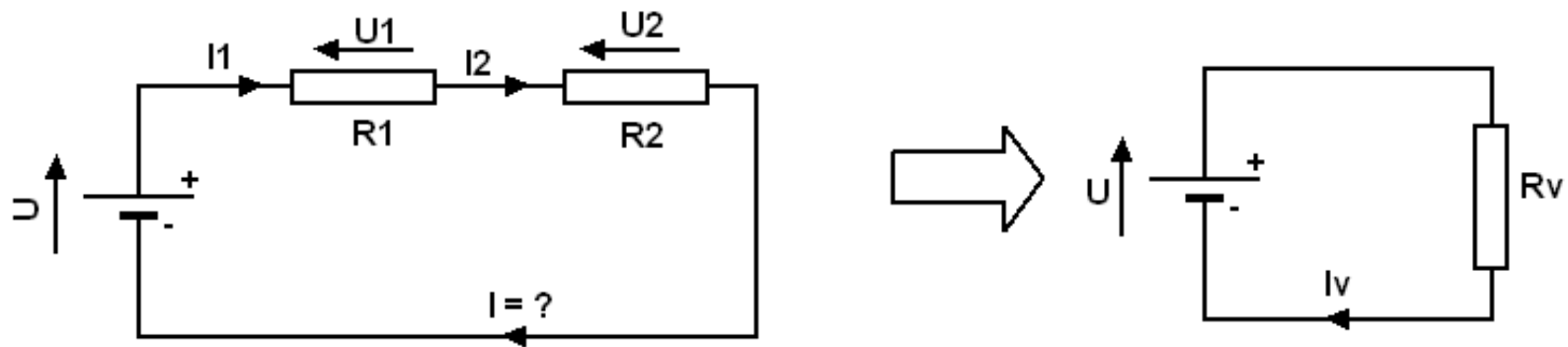


SOFIE DE GRAVE

TECHNOLOGIE – LES7

COMPLEXE SCHEMA'S

SERIE SCHAKELING



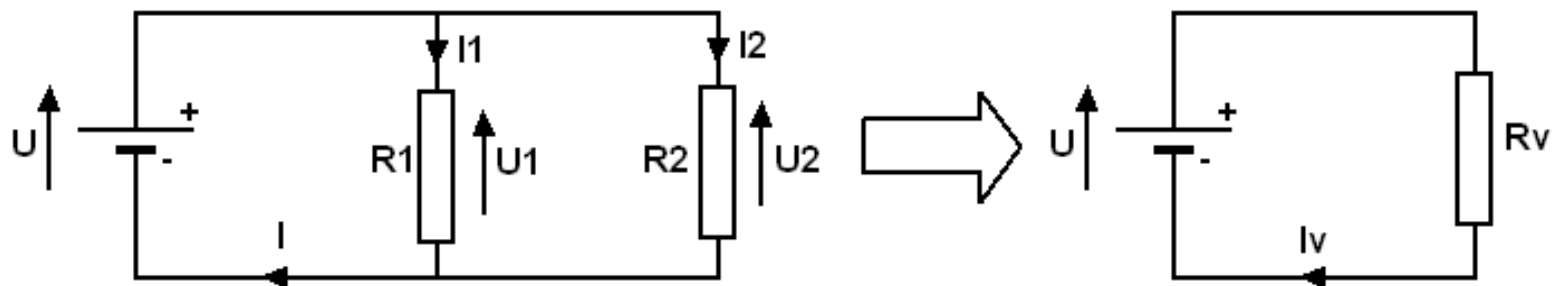
$$R_v = R_1 + R_2 + R_3 + \dots$$

$$I_v = I_1 = I_2$$

- Ook wel de spanningsdeler genoemd

HERHALING

PARALLEL SCHAKELING



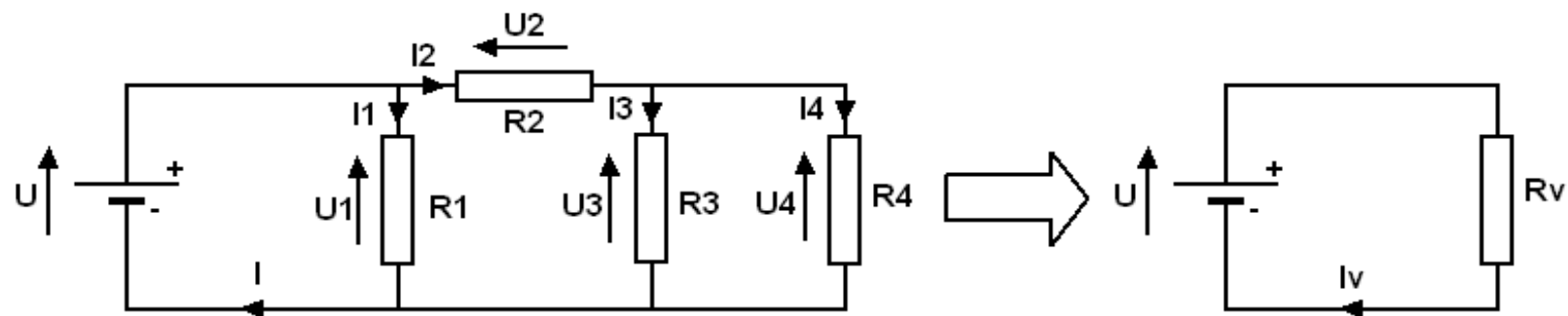
$$\frac{1}{R_v} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots$$

$$U_v = U_1 = U_2$$

- Ook wel de stroomdeler genoemd

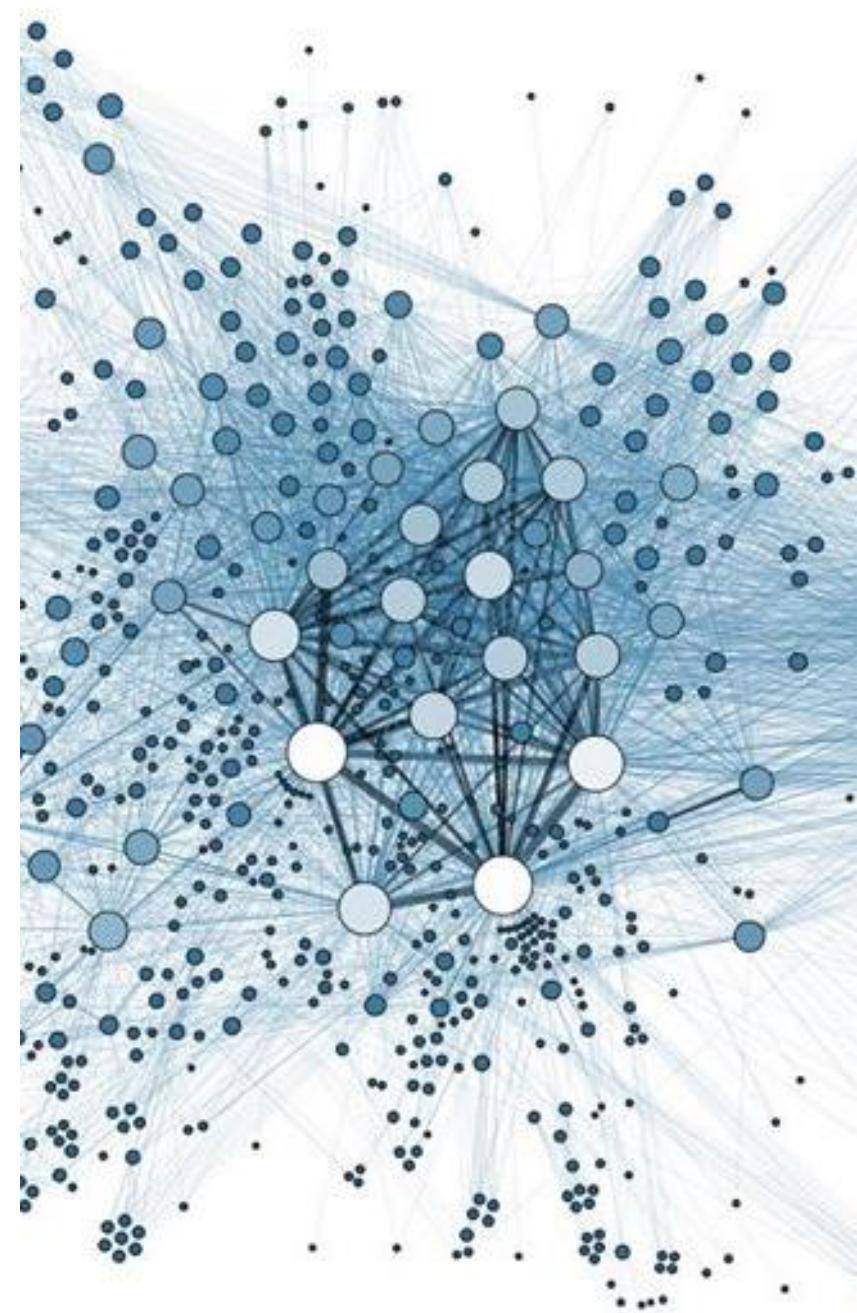
HERHALING

COMPLEXE NETWERKEN

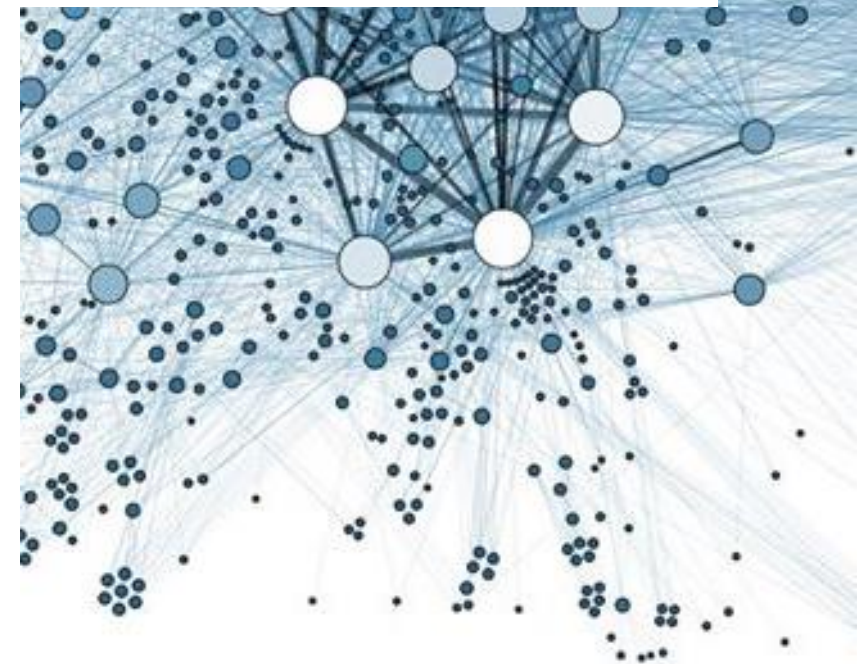
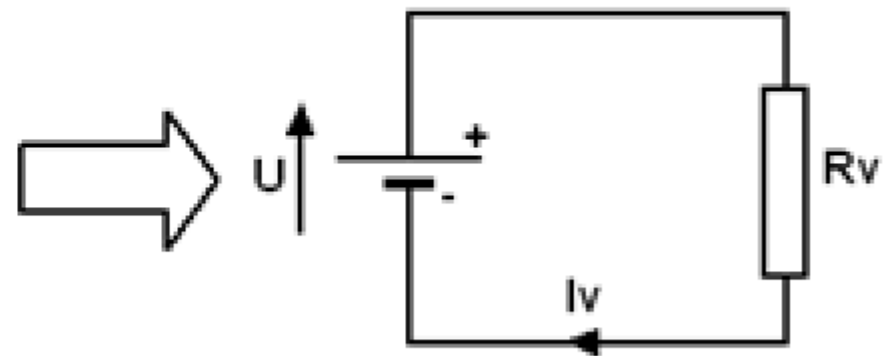
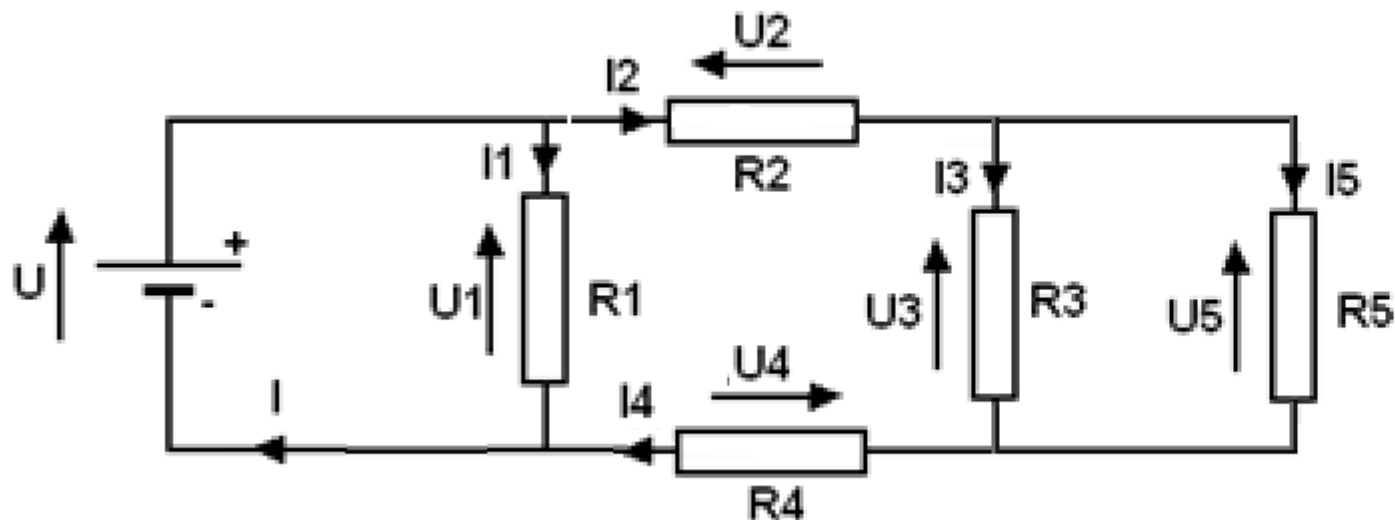


Verschillende weerstanden

- Sommigen staan in serie met elkaar
- Anderen staan in parallel met elkaar
- Samen vormen ze complexe netwerken

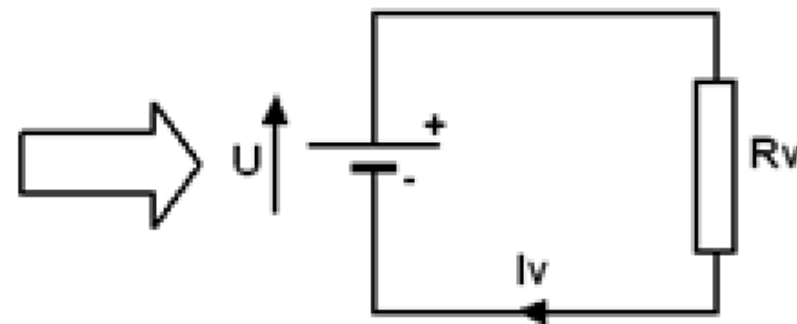
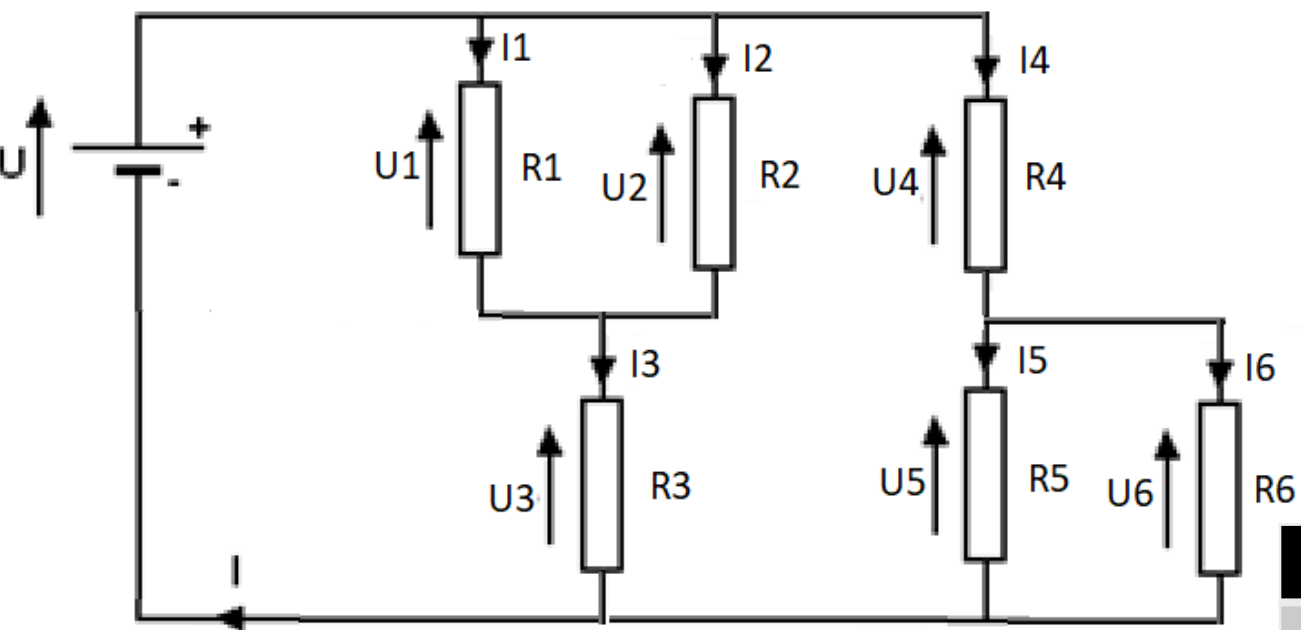


EEN REKENVOORBEELD A



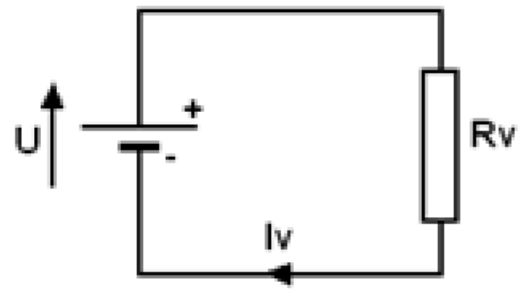
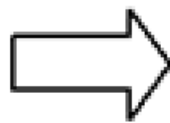
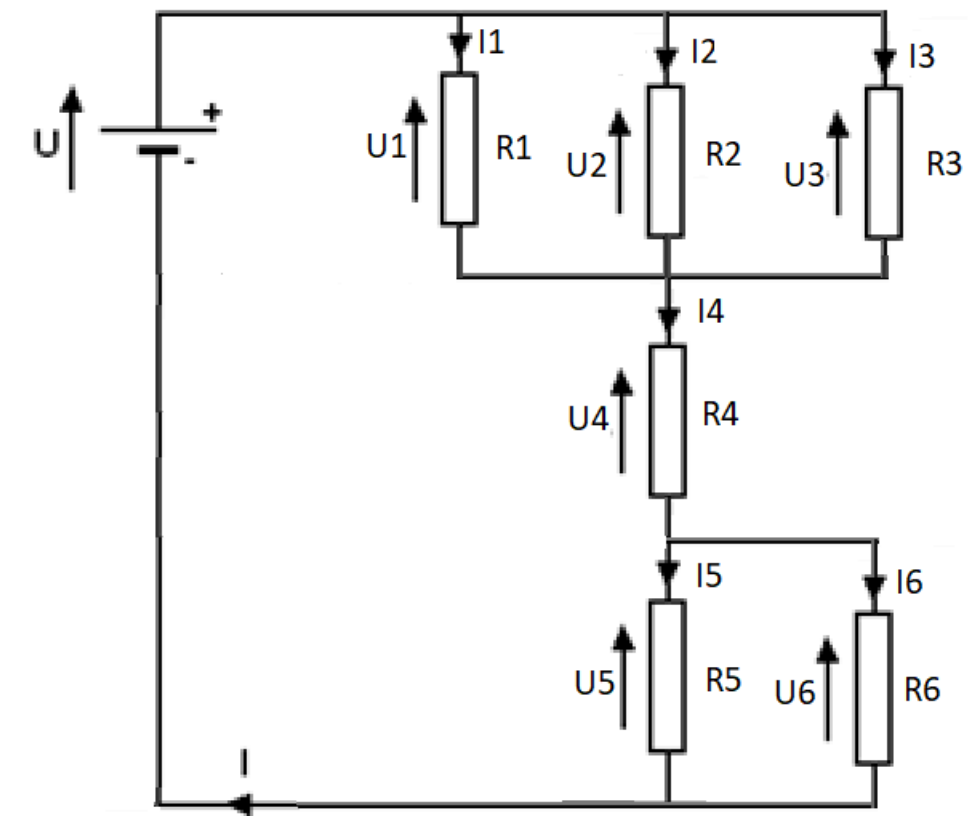
Weerstand	Spanning	Stroom
$R_1 = 3000\Omega$		
$R_2 = 600\Omega$		
$R_3 = 600\Omega$		
$R_4 = 600\Omega$		
$R_5 = 600\Omega$		
	$U = 30V$	

EEN REKENVOORBEELD B



Weerstand	Spanning	Stroom
$R_1 = 2000\Omega$		
$R_2 = 2000\Omega$		
$R_3 = 800\Omega$		
$R_4 = 400\Omega$		
$R_5 = 1000\Omega$		
$R_6 = 1000\Omega$		
	$U = 6V$	

EEN REKENVOORBEELD C



Weerstand	Spanning	Stroom
$R_1 = 30\Omega$		
$R_2 = 60\Omega$		
$R_3 = 60\Omega$		
$R_4 = 5\Omega$		
$R_5 = 20\Omega$		
$R_6 = 20\Omega$		
	$U = 120V$	

UOVT

- UOVT 6.1 en 6.2
TEGEN MORGEN

Zie leho-filmpje – Complexe schema's VB1

TEST!

- Test 2 – 27 november
 - Basis elektriciteit en complexe schema's
 - Geen spiekbrief!
 - Enkel oefeningen



KEEP
CALM
AND
DO YOUR
HOMEWORK