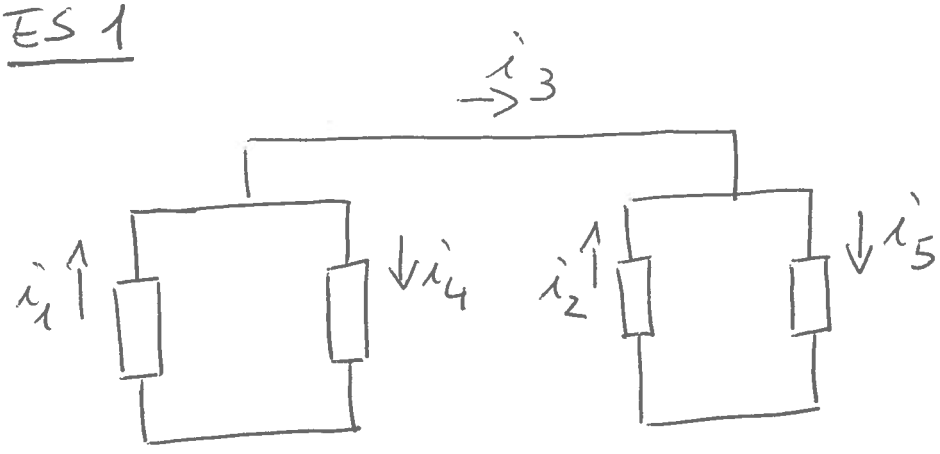
ES 1



$i_4 = 1A$

$i_5 = 3A$

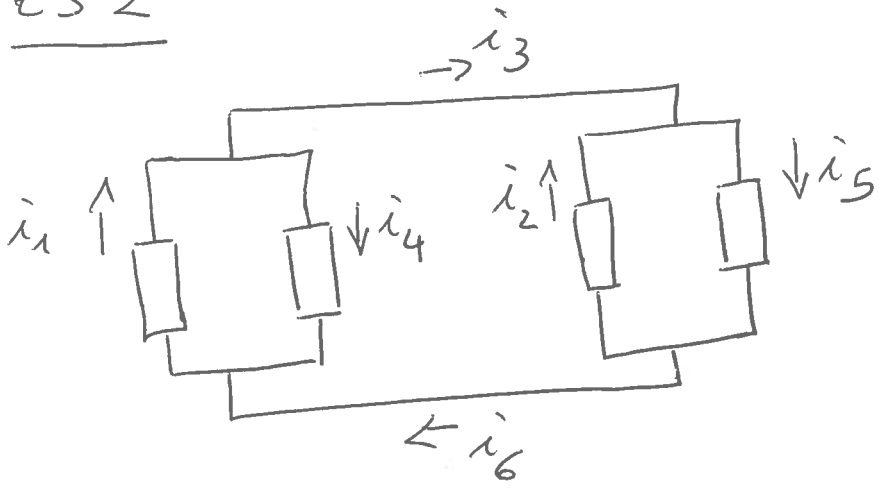
i_1 ? [= 1A]

i_2 ? [= 3A]

i_3 ? [= 0 A]

— o —

ES 2



$i_3 = 3A$

$i_4 = 4A$

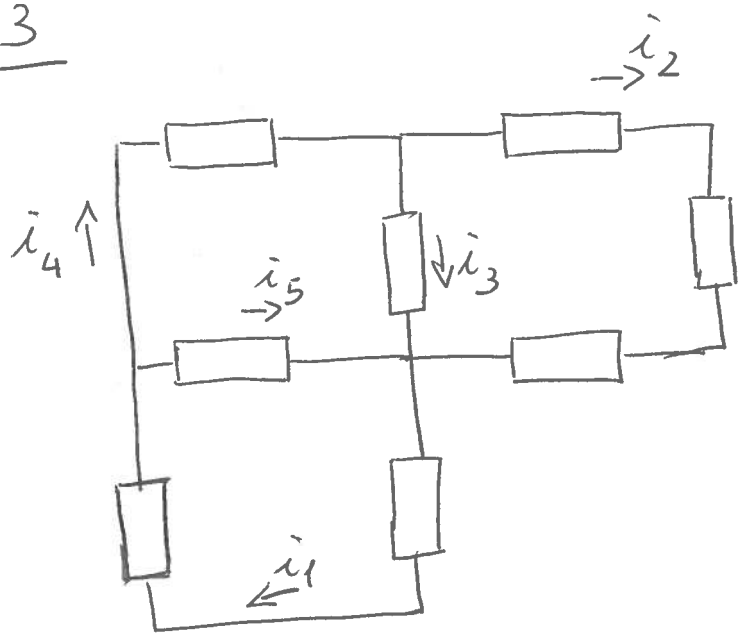
$i_5 = 3A$

i_1 ? [= 7A]

i_2 ? [= 0 A]

i_6 ? [= 3A]

ES 3



$i_3 = 3A$

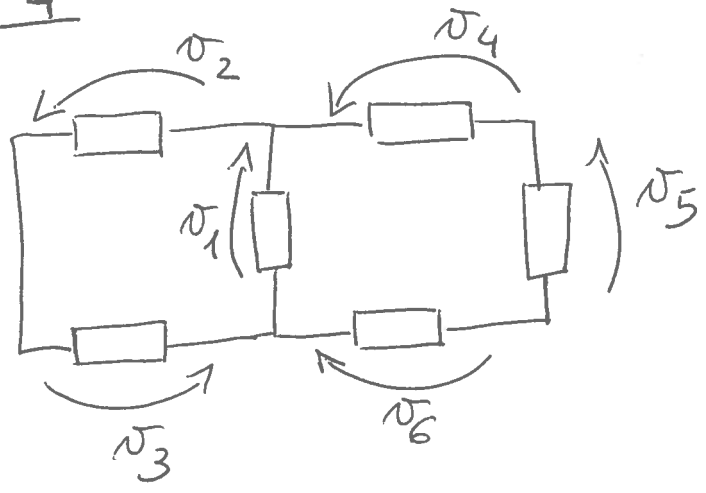
$i_4 = 4A$

$i_5 = 1A$

i_1 =? [= 5A]

i_2 =? [= 1A]

ES 4



$v_3 = 3V$

$v_4 = 6V$

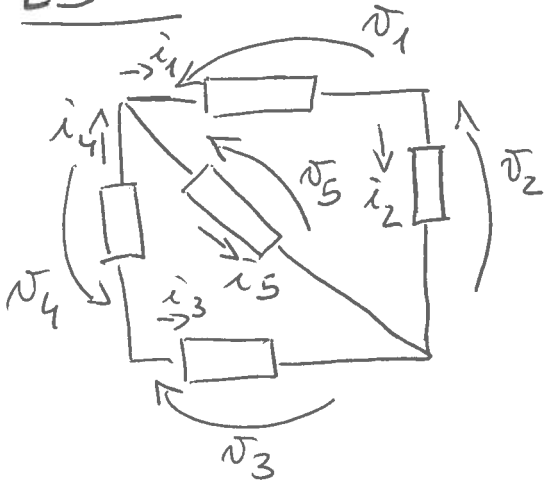
$v_5 = 2V$

$v_6 = 5V$

v_1 ? [= 3V]

v_2 ? [= -6V]

ES 5



$v_1 = 1V$

$v_3 = 4V$

$v_4 = 1V$

$i_3 = -4A$

$P_2 = 4W$

v_2 ? [= 2V]

v_5 [= 3V]

i_1 [= 2 A]

i_2 [= 2A]

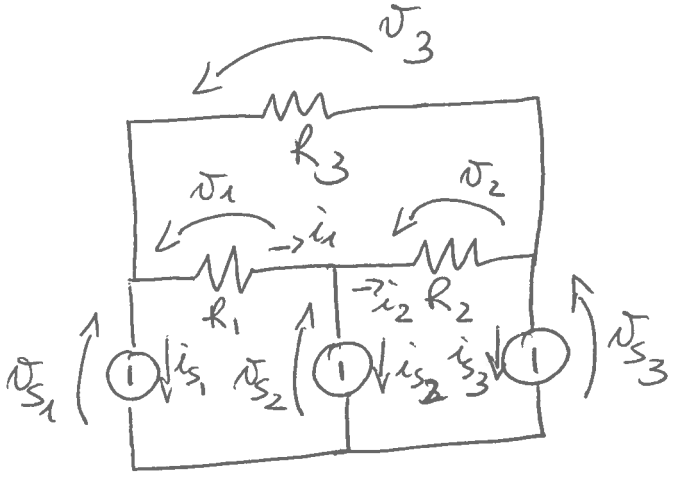
i_4 [= 4A]

i_5 [= 2 A]

Verificate la conservazione della potenza.

Come sarebbe variata se non fosse stata assegnata P_2 ma fosse stata assegnata $i_2 = 3A$?

ES 6



$v_{s1} = 5V$

$v_{s2} = 10V$

$v_{s3} = 5V$

$R_1 = 100\,\Omega$

$R_2 = 100\,\Omega$

$R_3 = 50\,\Omega$

v_1 [$= -5V$]

v_2 [$= 5V$]

v_3 [$= 0V$]

i_1 [$= -\frac{1}{20}A$]

i_2 [$= \frac{1}{20}A$]

i_3 [$= 0A$]

i_{s1} [$= \frac{1}{20}A$]

i_{s2} [$= -\frac{1}{10}A$]

i_{s3} [$= \frac{1}{20}A$]

Verificare la conservazione della potenza