aufgabe_4.5.4

Student Group

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Exercise 4.5.4 - Variation: open circuit voltage via superposition (exam task, approx. 12% of a 60-minute exam, WS2020)
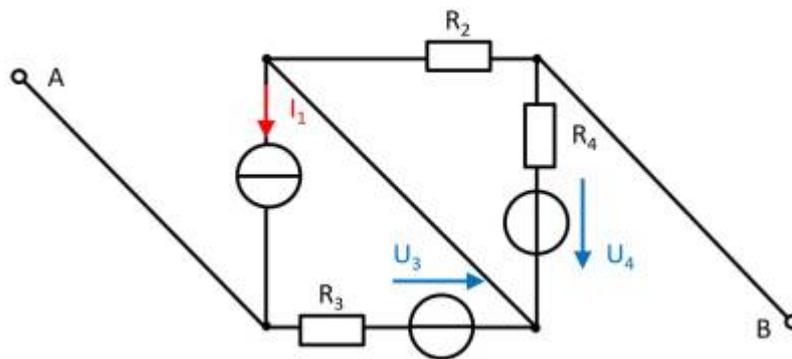
A circuit is given with the following parameters
$I_1 = 2 ~A$
$R_2 = 5 ~\Omega$
$R_3 = 20 ~\Omega$
$U_3 = 1 ~V$
$R_4 = 10 ~\Omega$
$U_4 = 3 ~V$

Determine the open circuit voltage between A and B using the principle of superposition.