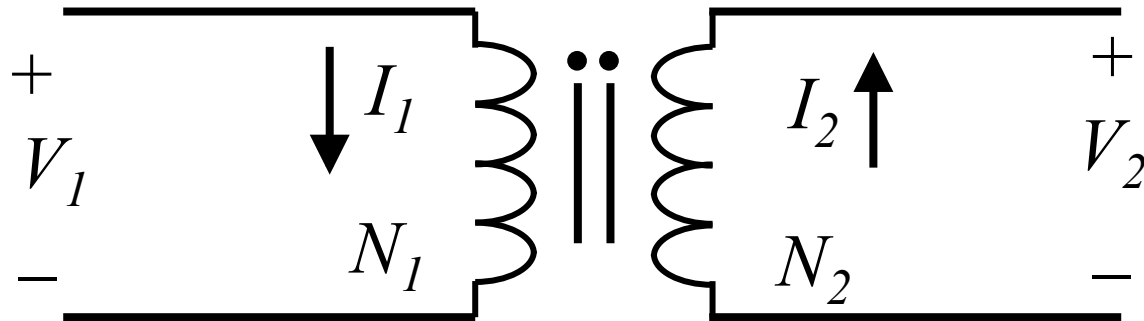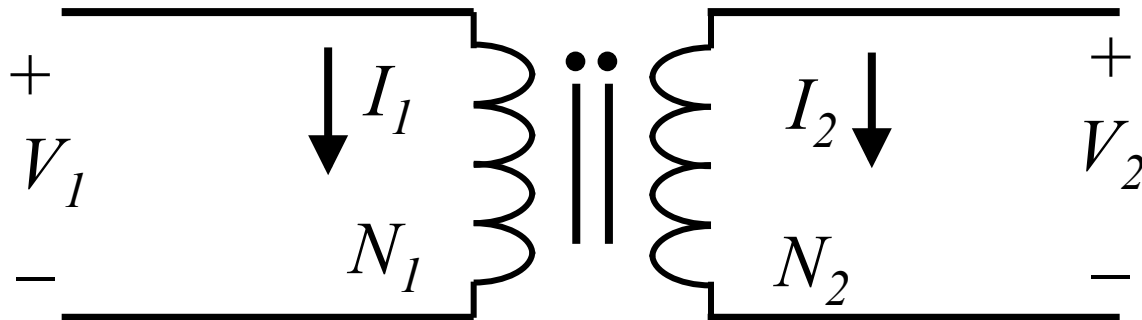1. Specify the V_2/V_1 and I_2/I_1 in terms of the turns ratio N_1 and N_2.

2. Specify the V_2/V_1 and I_2/I_1 in terms of the turns ratio N_1 and N_2.
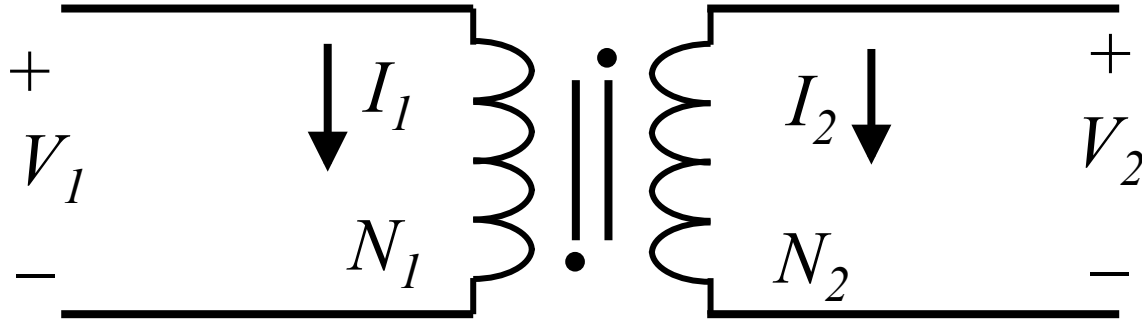
3. Specify the V_2/V_1 and I_2/I_1 in terms of the turns ratio N_1 and N_2.

$+$

V_1

$\downarrow I_1$

N_1

$I_2 \downarrow$

N_2

$+$

V_2

$-$

$-$

4. Specify the V_2/V_1 and I_2/I_1 in terms of the turns ratio N_1 and N_2.

$+$

V_1

$\downarrow I_1$

N_1

$I_2 \uparrow$

N_2

$+$

V_2

$-$

$-$