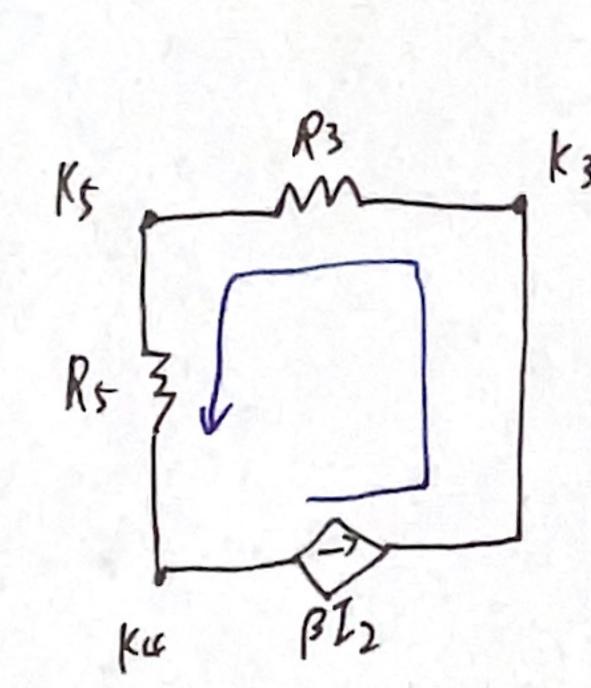
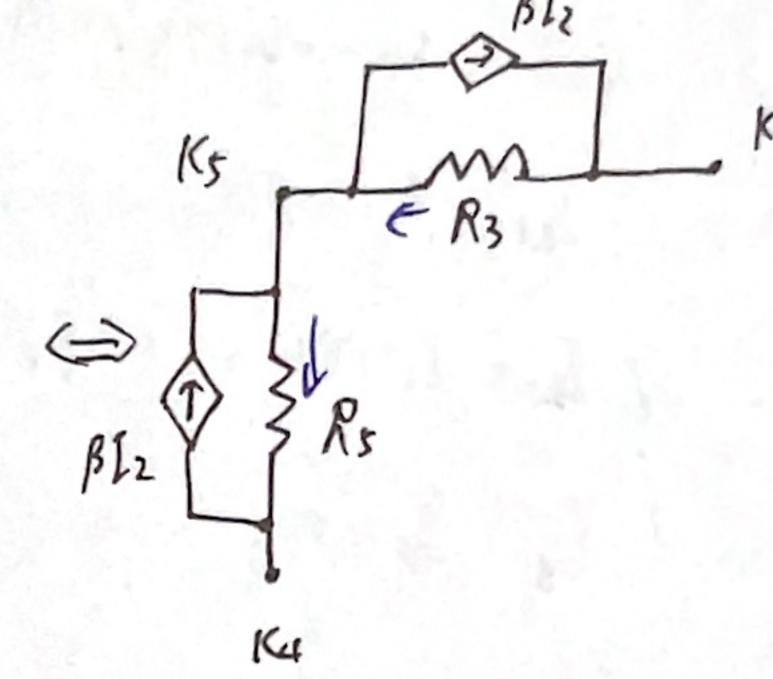
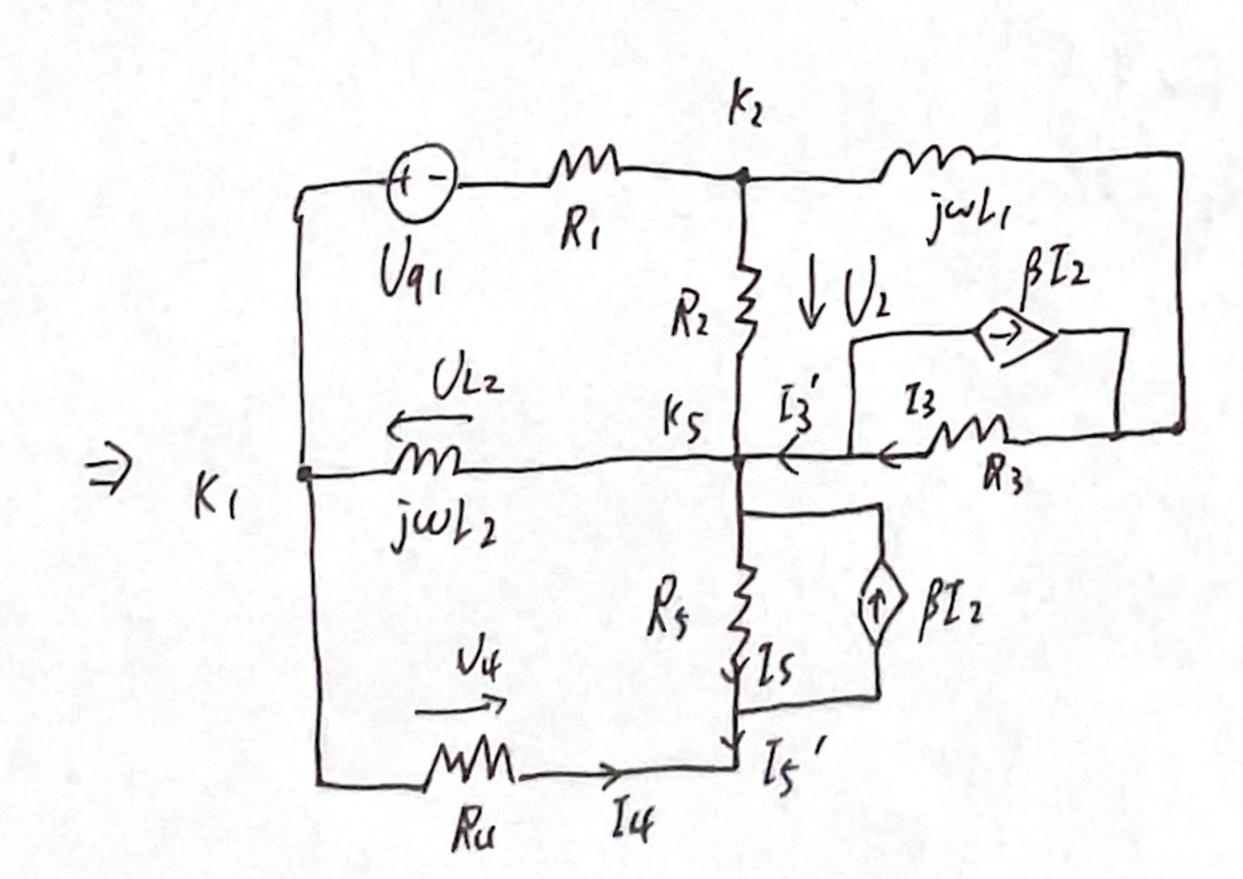


a. Verschieben BI2, I45 I11 T. \$ GM Ti5/R [4. III
BI,



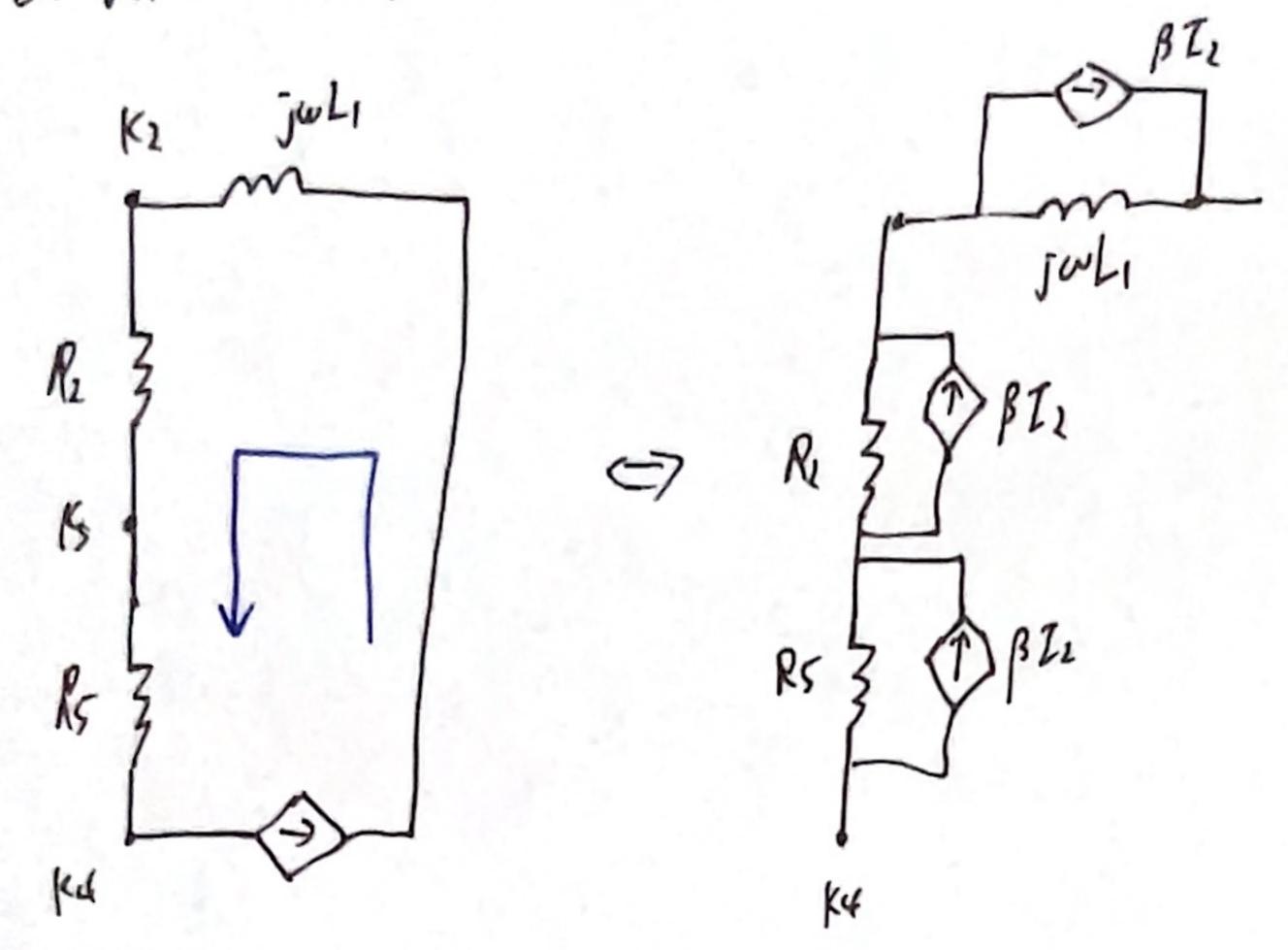


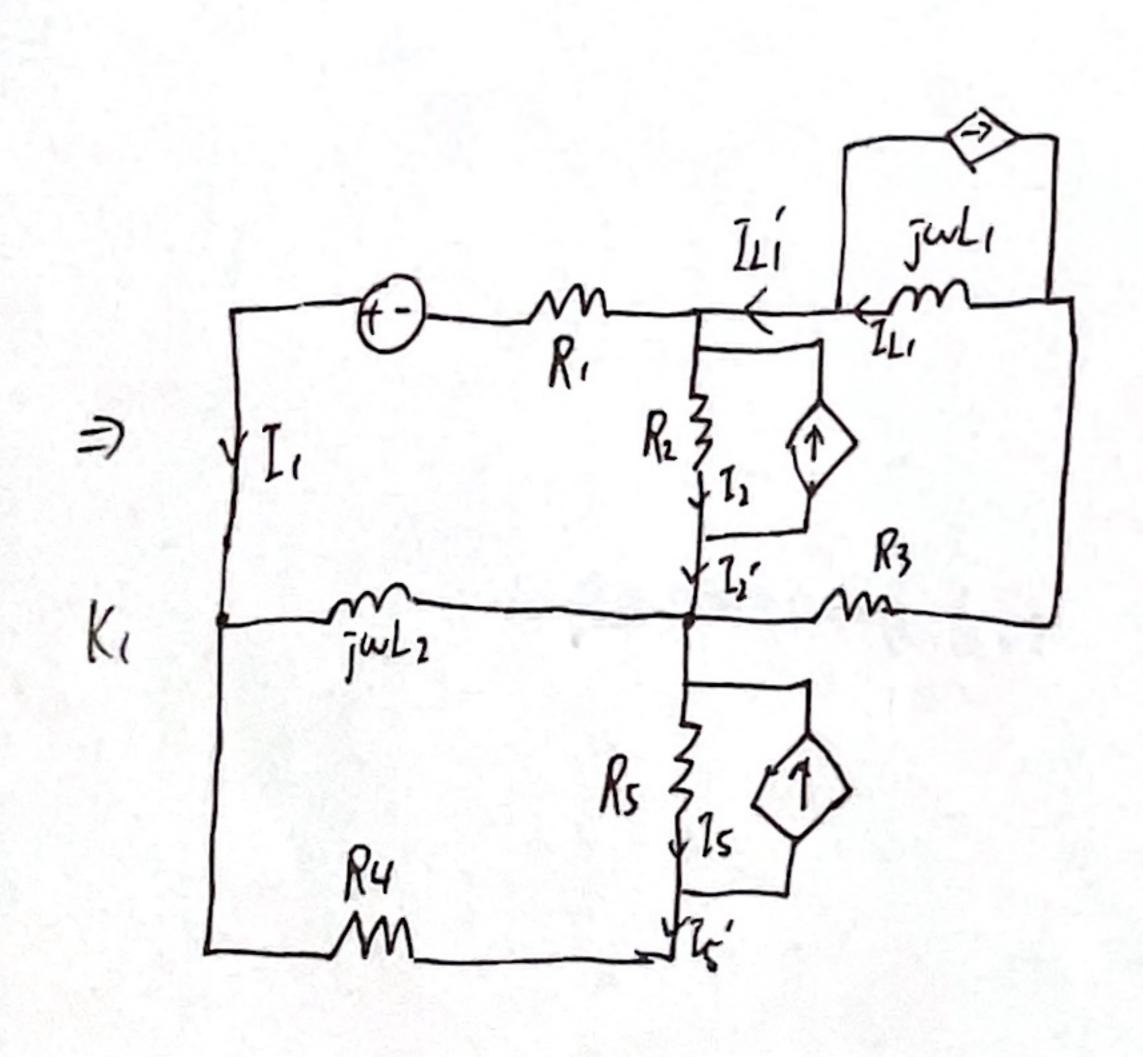
电流为合作统制图



KVL: 
$$U_0 = -U_3 - U_5$$
 $I_3' = I_3 + \beta I_2$ 
 $I_3' = I_5 + \beta I_2$ 
 $I_5' = I_5 + \beta I_2$ 
 $I_5' = I_5 + \beta I_2$ 
 $I_5 = I_5' - \beta I_5$ 
 $I_5 = I_5' - \beta I_5$ 

b. Verschieben BII. I3. 247 \$ M2 RIFA I3. 14





$$KVL : U_0 = -U_{L1} - U_2 - U_5$$

$$I_{L1}' = I_{L1} + \beta I_2$$

$$I_{L2}' = I_1 + \beta I_2 = (I + \beta) I_2$$

$$I_{L2}' = I_5 + \beta I_5$$

$$I_{L1} = I_{L1}' - \beta I_2$$

$$I_{L2} = \frac{1}{1+\beta} I_{L2}'$$

$$I_{S} = I_{S}' - \beta I_{S}$$

安村的任何已的是多为 Desertigny

量知到等 
$$I_1' = I_2 + \beta I_2$$

$$\Rightarrow I_3' = \frac{1}{R_2} U_2 + \frac{\beta}{1+\beta} I_2'$$

