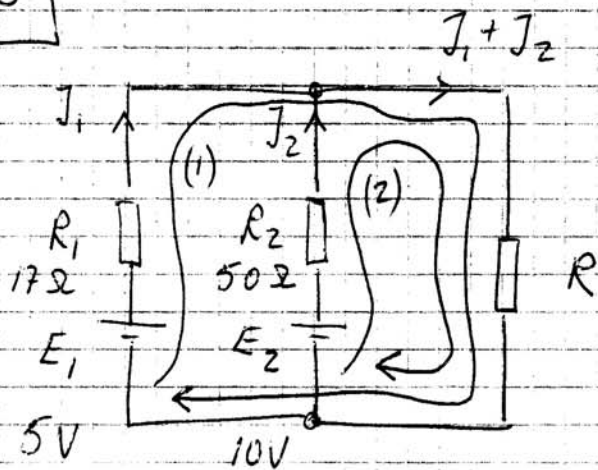


A1.3



$$\begin{cases} +E_1 - R_1 J_1 - R(J_1 + J_2) = 0 \dots (1) \\ +E_2 - R_2 J_2 - R(J_1 + J_2) = 0 \dots (2) \end{cases}$$

DEN ENA STRÖMMEN KAN VARA  
DUBBELT SÅ STOR SOM DEN ANDRA  
PÅ 4 SÄTT:

$$J_1 = 2J_2, \quad J_2 = 2J_1, \quad J_1 = -2J_2$$

$$\text{ELLER } J_2 = -2J_1$$

$$J_1 = 2J_2 \Rightarrow R = -6\Omega \quad \text{ORIMLIGT}$$

$$J_2 = 2J_1 \Rightarrow \underline{R = 22\Omega} \quad \text{BINGO!}$$

$$J_1 = -2J_2 \Rightarrow R = -118\Omega \quad \text{ORIMLIGT}$$

$$J_2 = -2J_1 \Rightarrow \underline{R = 134\Omega} \quad \text{BINGO!}$$