The circuit on the right was created by applying source transformations on the left circuit.

V1 = 17 V

Find the values of  $V_a$  and  $R_a$ .

11 = 2 A

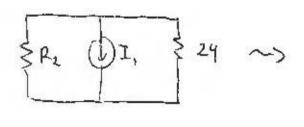
R1 = 22 ohm

R2 = 8 ohm

R3 = 12 ohm

R4 = 12 ohm

$$R_2/124 = \left(\frac{1}{8} + \frac{1}{24}\right)^{-1} = \left(\frac{3}{24} + \frac{1}{24}\right)^{-1} = 6 - \alpha$$



$$V_{\alpha} = -12V$$

$$R_{\alpha} = 6-\alpha$$