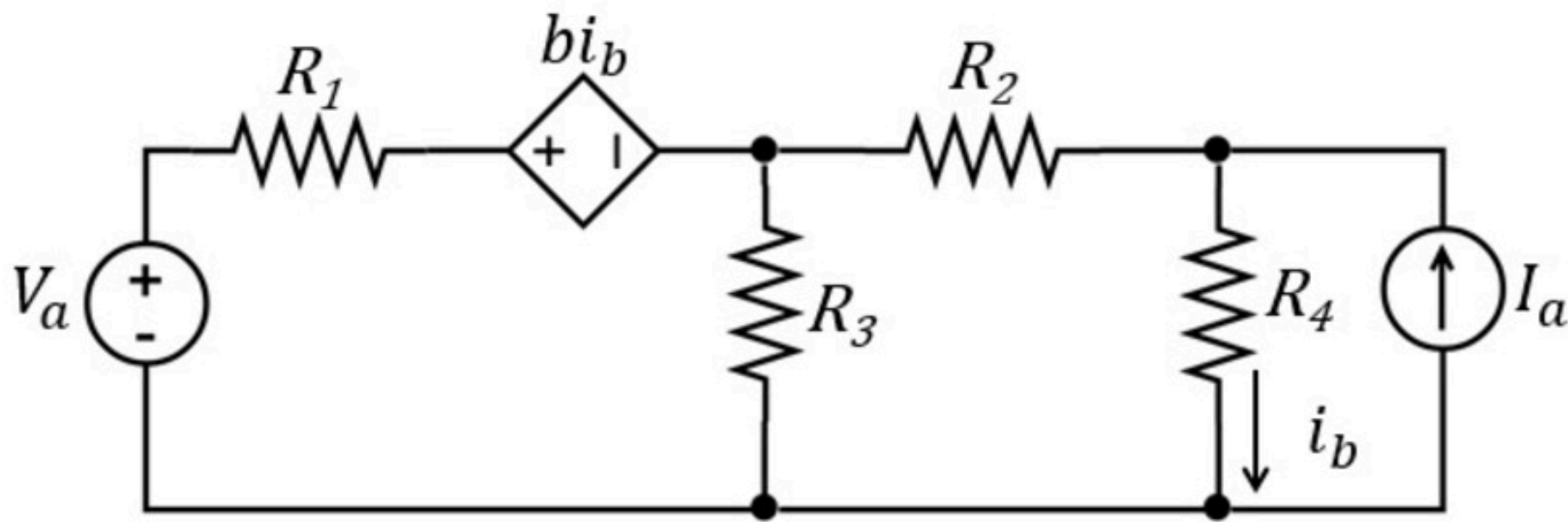


Nodal Mesh 011

Problem has been graded.

Find the value of the current i_b .
Use mesh analysis.



Given Variables:

V_a : 16 V

R_1 : 2 ohm

R_2 : 6 ohm

R_3 : 8 ohm

R_4 : 1 ohm

b : 2 V/A

I_a : 1 A

Calculate the following:

i_b (A) :

Hint: Do we need to use a supermesh?