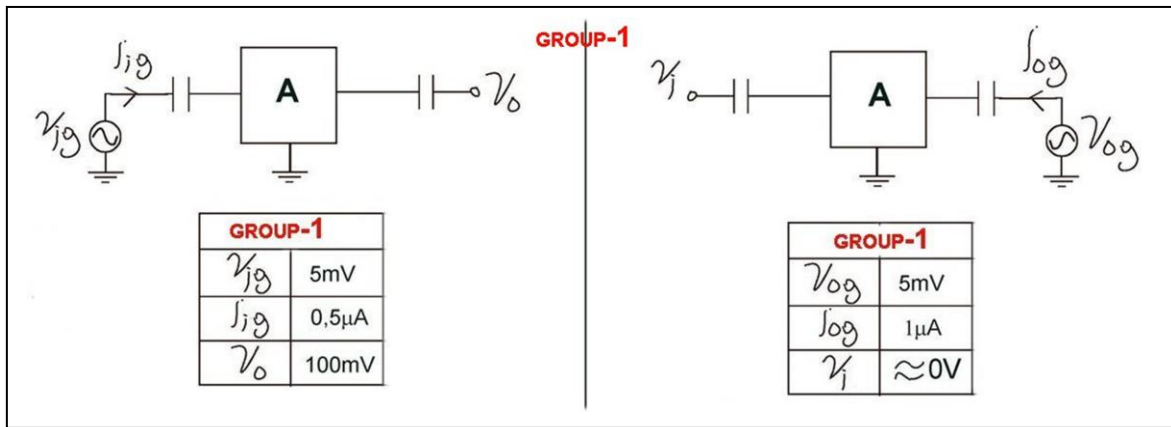


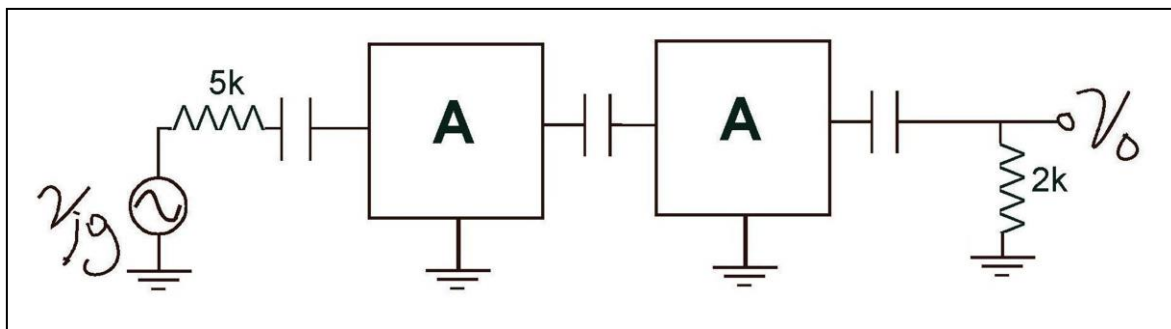
Group 1 (Student last number: 0,1,2,3)

(G2 and G3 problems are in the next pages)



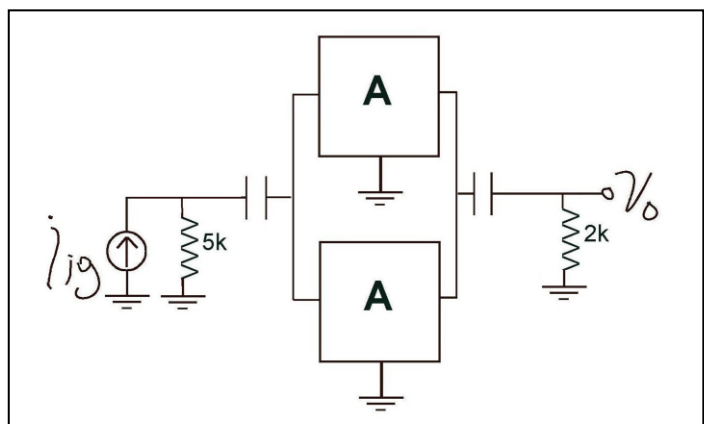
For an amplifier circuit (A), some ac values are given above.

a) Calculate necessary values and sketch ac model of the circuit.



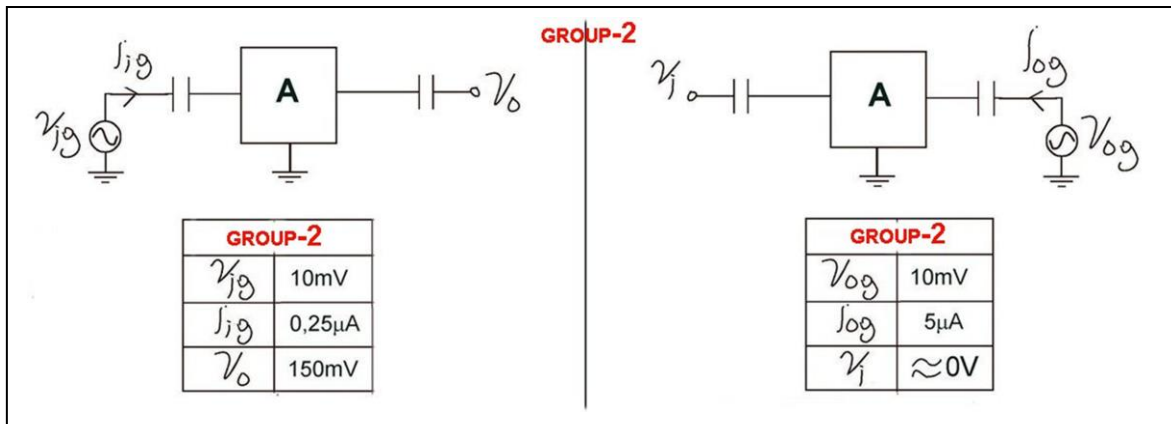
b) Calculate V_o/V_{ig} of the two-stage amplifier.

c) Calculate V_o/i_{ig} of the amplifier.



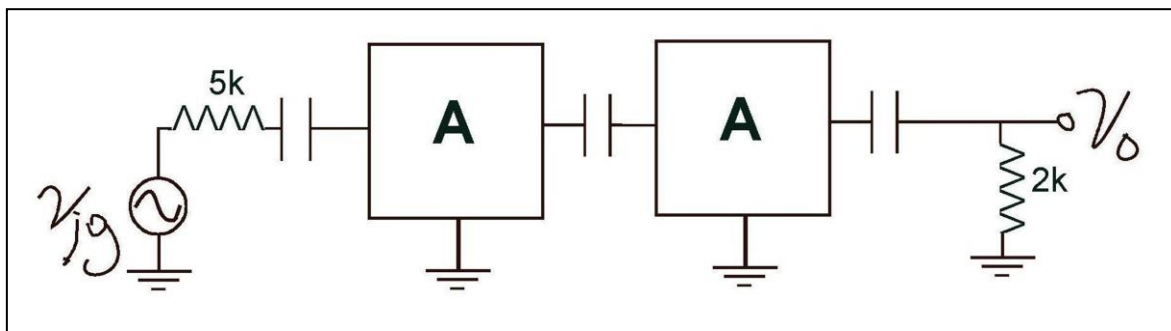
Group 2 (Student last number: 4,5,6)

(G3 problem is in the next page)



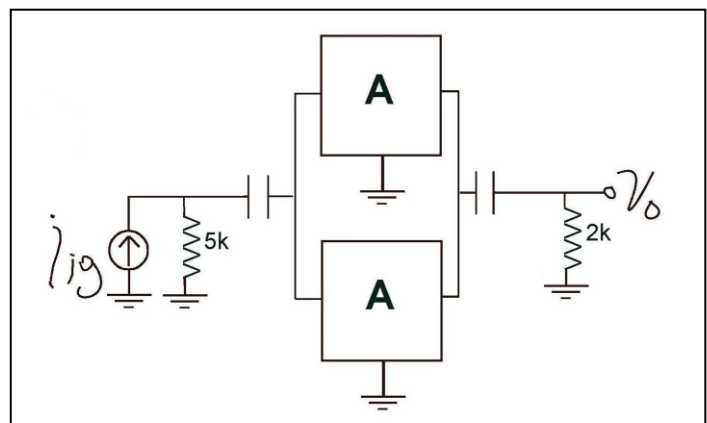
For an amplifier circuit (A), some ac values are given above.

a) Calculate necessary values and sketch ac model of the circuit.

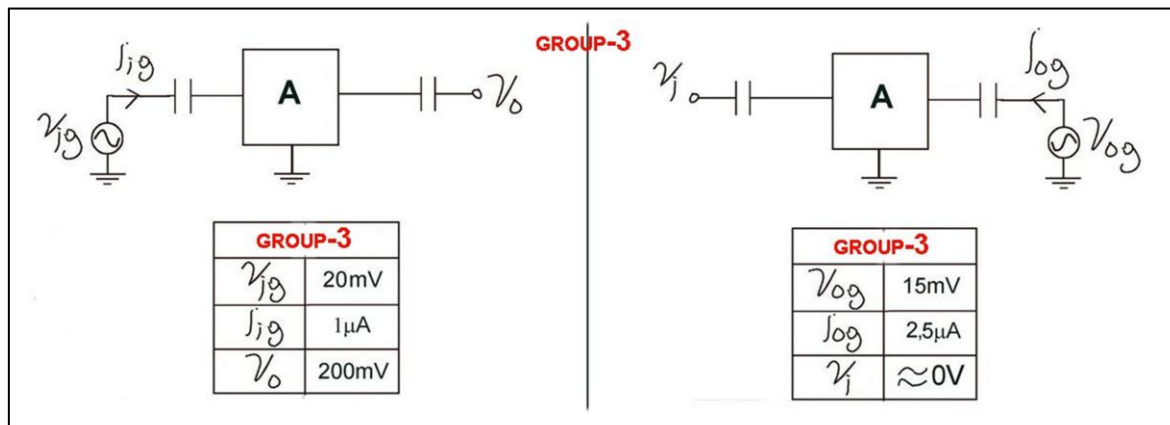


b) Calculate V_o/V_{ig} of the two-stage amplifier.

c) Calculate V_o/i_{ig} of the amplifier.

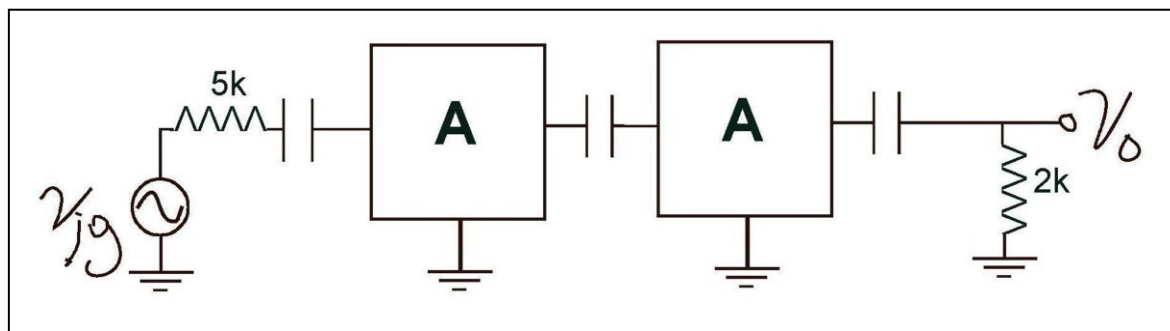


Group 3 (Student last number: 7,8,9)



For an amplifier circuit (A), some ac values are given above.

a) Calculate necessary values and sketch ac model of the circuit.



b) Calculate V_o/V_{ig} of the two-stage amplifier.

c) Calculate V_o/i_{ig} of the amplifier.

