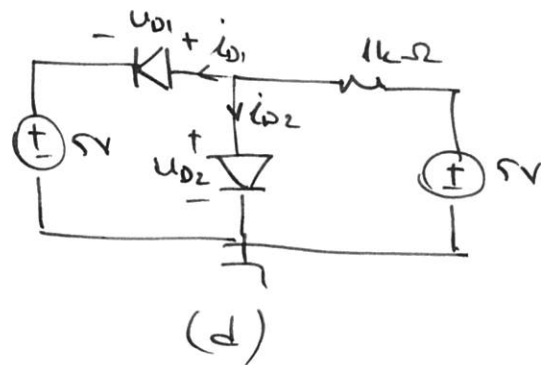
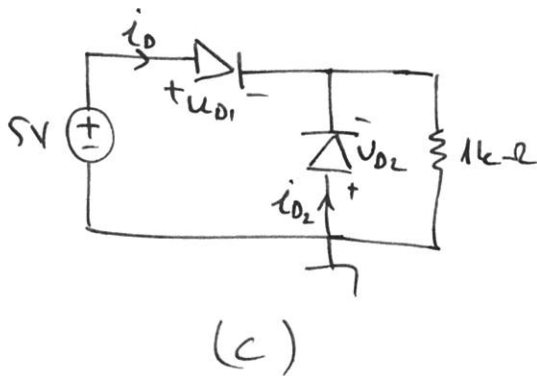
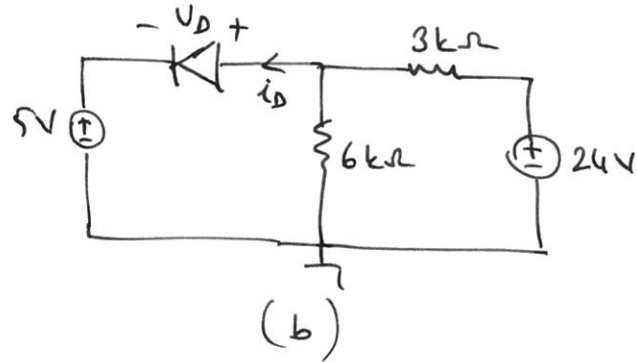
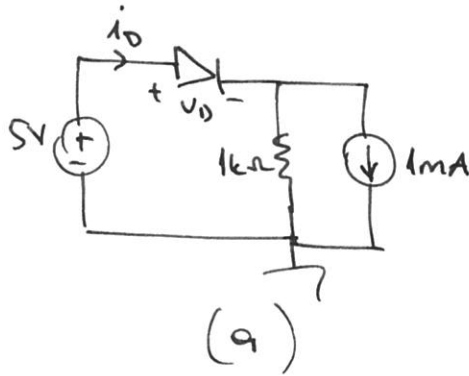


Problem 1

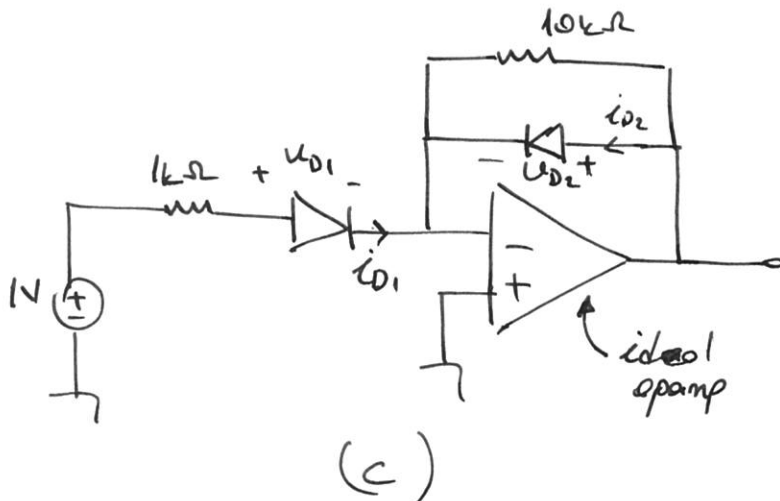
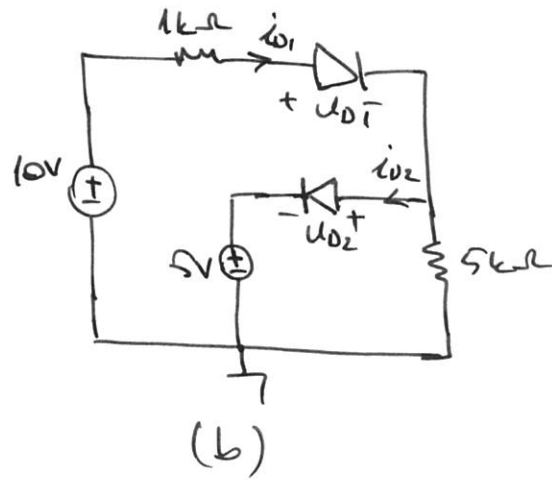
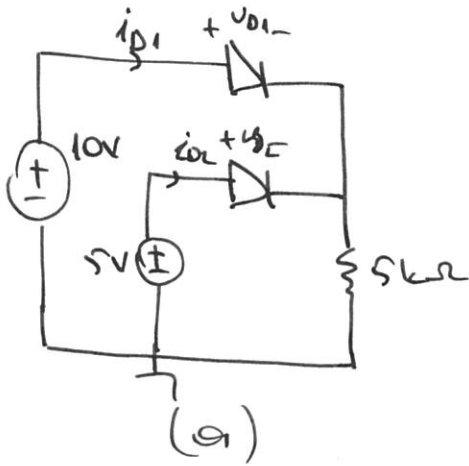
Determine V_D and i_D for the following circuits using the ideal diode model. For parts (c,d) find i_{D1} , i_{D2} , V_{D1} , V_{D2} .



Problem 2

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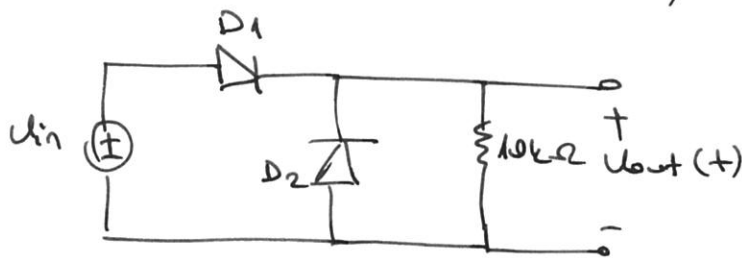
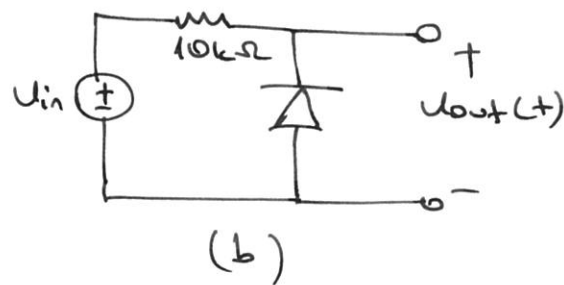
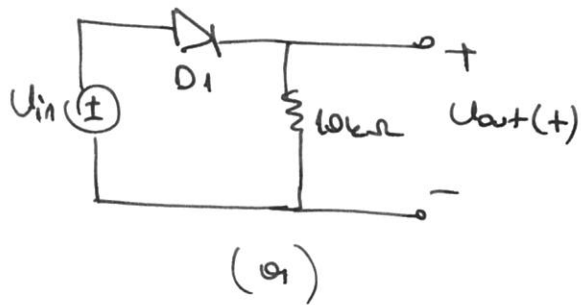
Determine i_{D1} , i_{D2} , v_{D1} , v_{D2} for the following circuits using the 0.7 V constant voltage drop model for the diodes.



Problem 3

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Determine and sketch $U_{out}(t)$ if $U_{in}(t) = 10 \sin(2\pi t)$ V. Assume the diodes are ideal.



Problem 4

Plot i_x versus U_x using the 0.7 V constant voltage drop model for the diodes.

