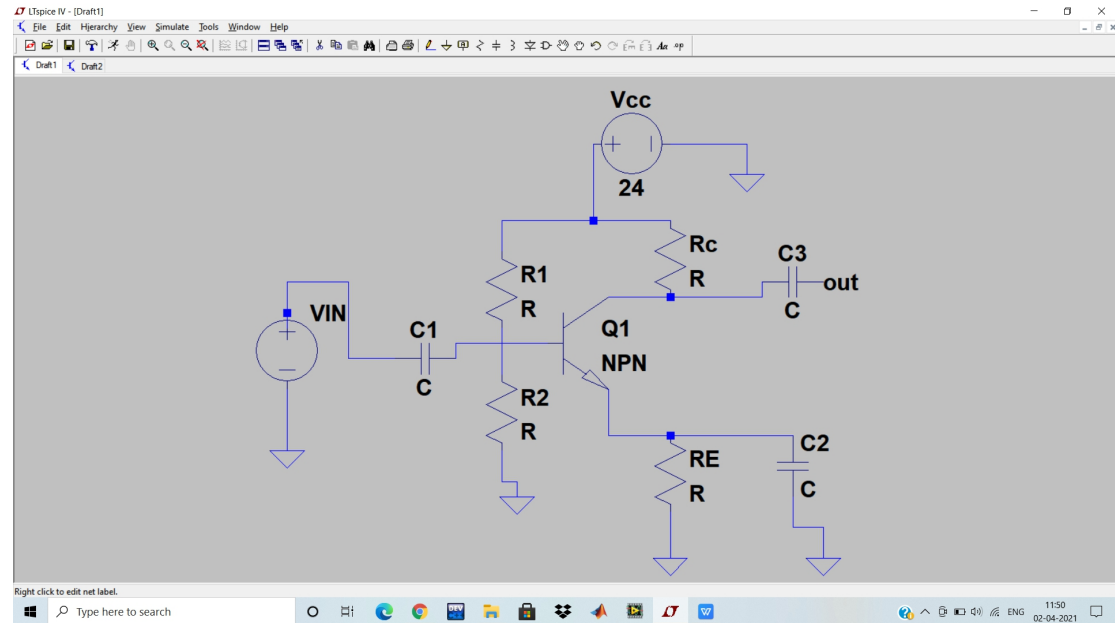


Q4.

(a). $R_c = (V_{CC} - V_{CE})/I_C = 3K \text{ ohms}$

(b).



(d) capacitors block DC voltage.