Basic of Electrical Circuits
Homework#1

1- a) Find all the possible trees of the graph in Fig. 1.
b) One of the possible trees is given by: {1, 2, 3, 4}. Find the fundemantal loop and cut-set equations related with this tree. c) Show the validity of the following equation: $B_1 = -Q_1^T$.
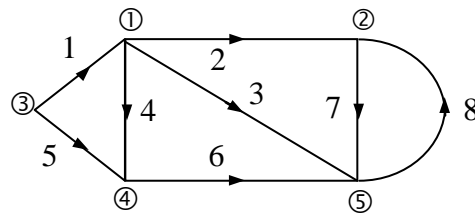

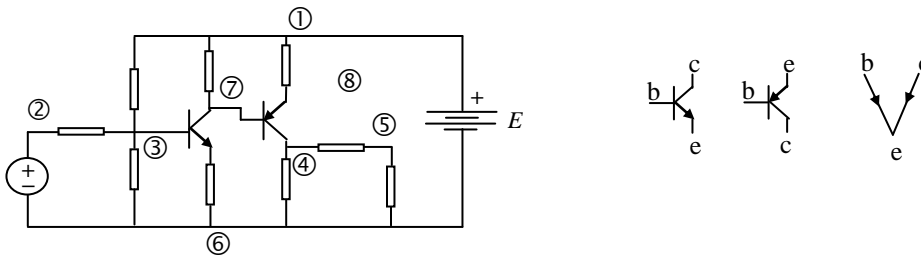
Fig. 1

2. Sketch the circuit graph of the circuit below.

Fig. 2