1. For the TG on page 142, 1ii, use the algorithm I described in class to build an equivalent FA and draw the FA.

2. For the TG on page 142, 1iv, use the algorithm I described in class to build an equivalent FA and draw the FA.

3. For the NDFA on page 146, 16iii, use the algorithm I described in class to build an equivalent FA and draw the FA. (Remember that an NDFA is a TG.)

4. Use the algorithm I gave in class to construct a regular expression defining the language accepted by FA₁ on page 143. Show each of the sets L_{i,j,k}(M).

5. Use the algorithm I gave in class to construct a regular expression defining the language accepted by FA₂ on page 143. Show each of the sets L_{i,j,k}(M).