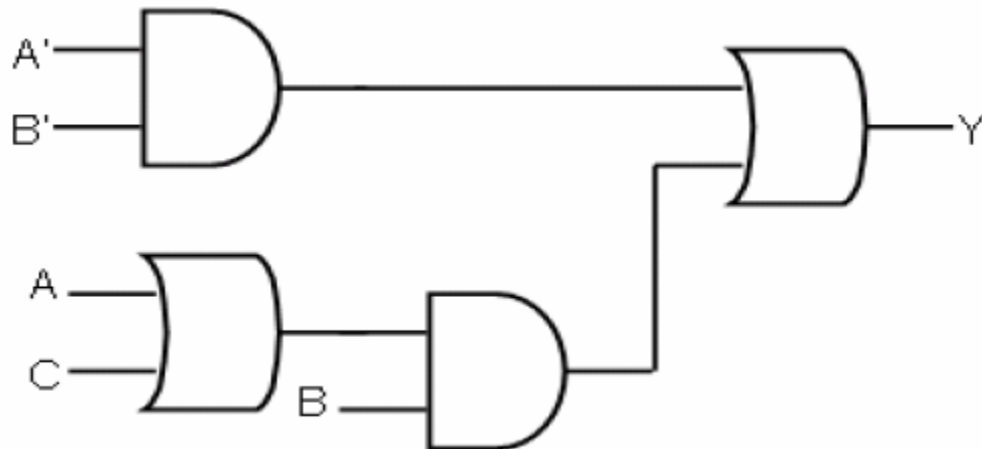


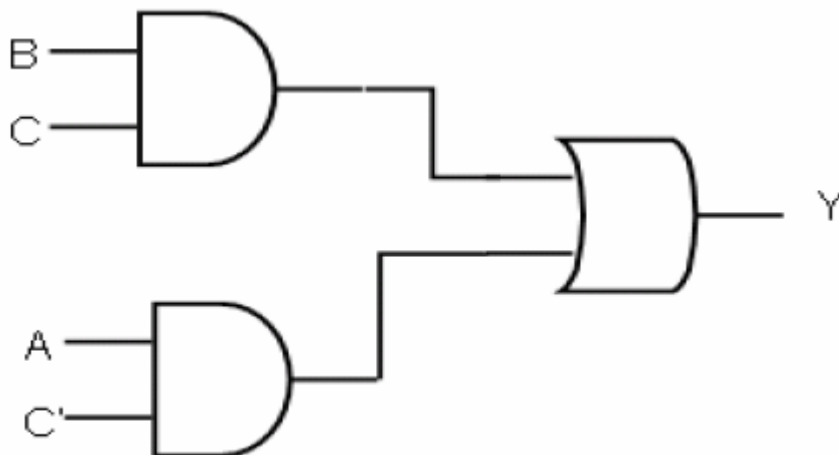
Homework 3 sol

Draw the logical diagrams for the following Boolean expressions:

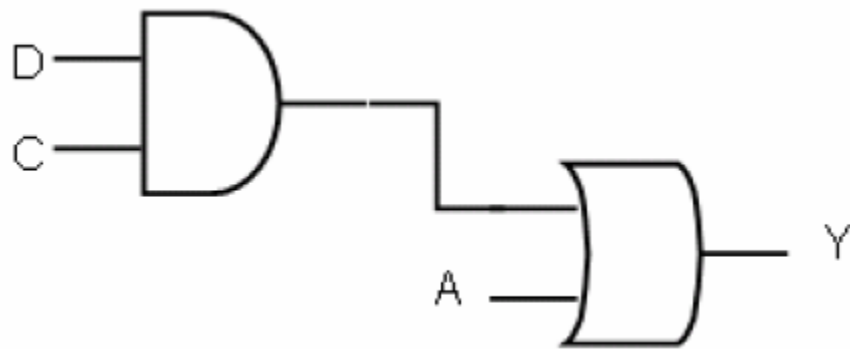
(a) $Y = A'B' + B(A+C)$.



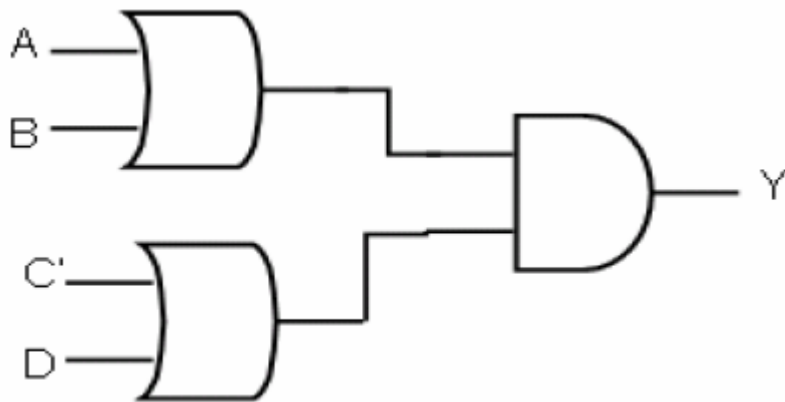
(b) $Y = BC + AC'$.



(c) $Y = A + CD$.



(d) $Y = (A + B)(C' + D)$.



Problem: 1-34

Assume a 3-input AND gate with output F and a 3-input OR gate with G output. Show the signals of the outputs F and G as functions of the three inputs ABC. Use all 8 possible combinations of ABC.

