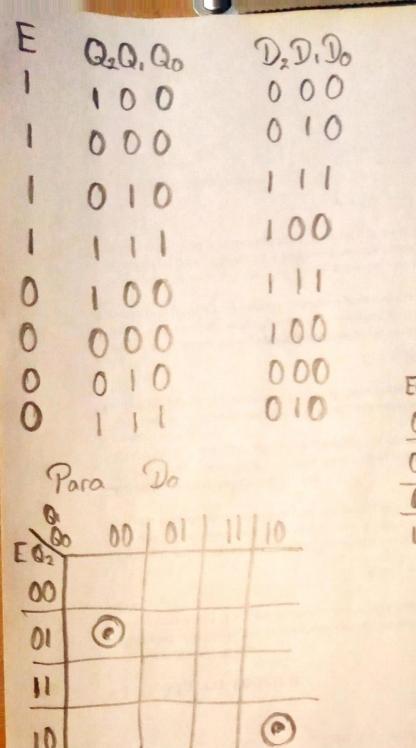
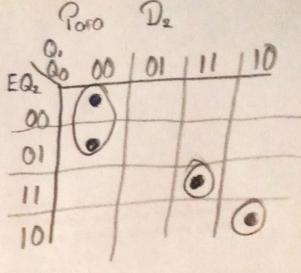
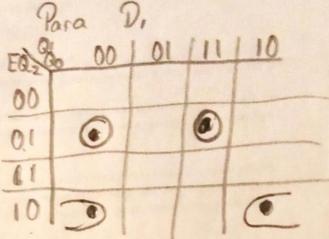


architecture Contador of C3 is begin process (CLK, CLR) begin if CLR = 14' then 5 <= "000"; elsif rising-edge (CLK) then E 'b' then S <= S-1; else 4/2 end is: end process? end architecture:



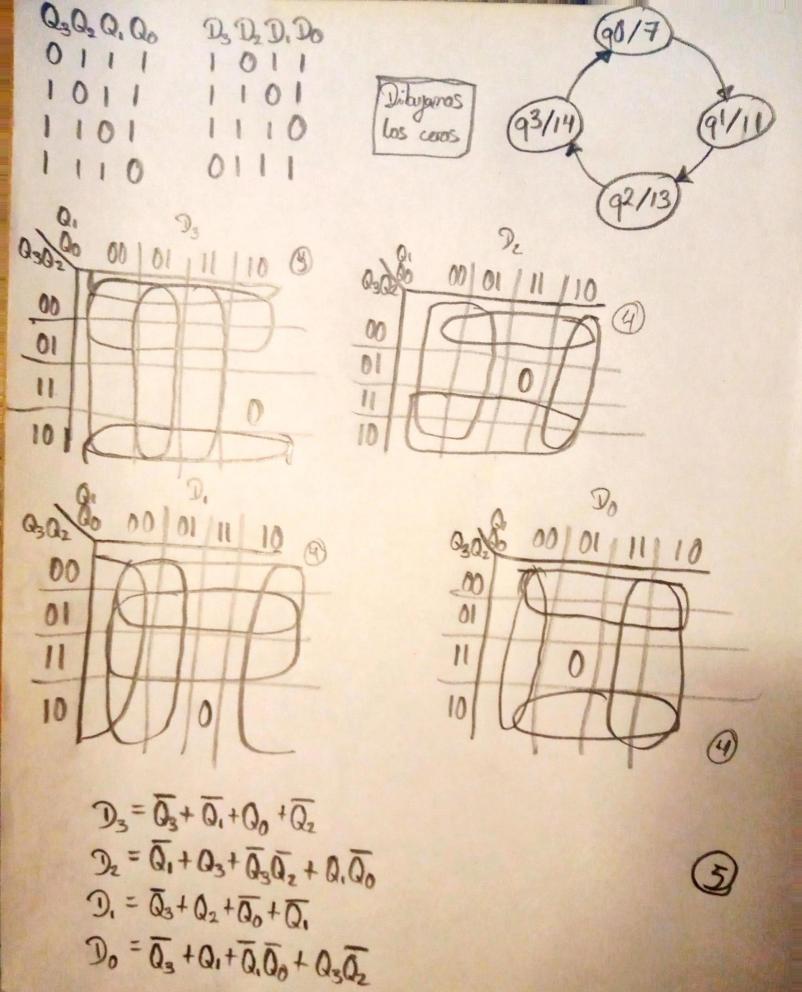




 $D_{2} = \overline{EQ_{1}Q_{0}} + EQ_{2}Q_{1}Q_{0} + E\overline{Q_{2}Q_{1}Q_{0}}$   $D_{1} = \overline{EQ_{2}Q_{1}Q_{0}} + \overline{EQ_{2}Q_{1}Q_{0}} + E\overline{Q_{2}Q_{0}}$   $D_{0} = \overline{EQ_{2}Q_{1}Q_{0}} + E\overline{Q_{2}Q_{1}Q_{0}}$   $D_{0} = \overline{EQ_{2}Q_{1}Q_{0}} + E\overline{Q_{2}Q_{1}Q_{0}}$ 

```
architecture Contador of Cont is
   process (CLK, CLR)
   begun
     if CLR = 41 then
        D <= 1100011;
     elsif rising-edge (CLK) then
          if E = 11 then
            cose D is
              when "100" => T <= "000";
              when "000" => D <= "010";
              when "010" => D <= "111";
              when others => D <= "100";
            end cose;
         else
            case D is when "100" => D <= "111";
             when "111" => D <= "010";
             when "010" => D <= "000";
             when others => D <= "100";
           end cose;
         end if;
      end if
  end process;
end architecture;
```

(4)



Orchitecture Contador of Anillo is begun Process (CLK, CLR) begun CLR = 11 then 5 <= "0000"; elsif rising-edge (CLK) then case 5 is when 10111" => 5 <= "1011"; when "1101" => 5 <= "1101";
when "1101" => 5 <= "1110"; when others => 5 <= "0111"; end cose; end process; end architecture; 0,1 D, D, Do 0,0,00 Q2Q,QA 90 001 000 000 000 91 001 100 92 011 93 010 010 110

