Example

 Solve the following circuit. Find q1, q2, q3 and v1, v2, and v3.

Collapse and find ger

91= 6.55 ×10-6 C 92 = 6.55 ×10-6 C 93= 6.55 ×10-6 C

$$C = 8 | V$$
 $V = 8 | C$
 $V_1 = 8 | / C_1 = \frac{6.55 \times 10^{-6}}{2 \times 10^{-6}} = 3.27 V$
 $V_2 = \frac{82}{C_2} = \frac{6.55 \times 10^{-6}}{4 \times 10^{-6}} = 1.64 V$
 $V_3 = \frac{83}{C_3} = \frac{6.55 \times 10^{-6}}{6 \times 10^{-6}} = 1.09 V$

UB=3.27+1.64+1.09=6

Example Problem - Parallel Circuits

 Analyze the following circuit and find V1, V2, and V3 and q1, q2, and q3.

