Kirchhoff's Rule and the Two Capacitor Paradox H.L. NEAL, CT-SPS and Dept. of Physics, Clark Atlanta U., Atlanta, GA 30314 — We demonstrate that Kirchhoff's rules are not applicable when considering the two capacitor paradox, where initially one capacitor is charged and the other is uncharged before the combination is discharged through a resistor. We also consider the general problem of analyzing RC circuits where the capacitors are initially in different states of arbitrary charge.

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