

#1. Given the currents as follows: A leg 10 amps, B leg, 20 amps, C leg 10 amps, what is the maximum unbalanced current flowing in the secondary?

<i>GIVEN</i>	<i>FORMULA</i>	<i>SUBSTITUTION</i>	<i>SOLUTION</i>

#2. Given the currents as follows: A leg 20 amps, B leg, 30 amps, C leg 20 amps, what is the maximum unbalanced current flowing in the secondary?

<i>GIVEN</i>	<i>FORMULA</i>	<i>SUBSTITUTION</i>	<i>SOLUTION</i>

#3. Given the currents as follows: A leg 30 amps, B leg, 40 amps, C leg 50 amps, what is the maximum unbalanced current flowing in the secondary?

<i>GIVEN</i>	<i>FORMULA</i>	<i>SUBSTITUTION</i>	<i>SOLUTION</i>

#4. Given the currents as follows: A leg 40 amps, B leg, 40 amps, C leg 40 amps, what is the maximum unbalanced current flowing in the secondary?

<i>GIVEN</i>	<i>FORMULA</i>	<i>SUBSTITUTION</i>	<i>SOLUTION</i>

Note: amps maximum unbalanced amps in neutral =  $\sqrt{(a^2 + b^2 + c^2 - ab - bc - ca)}$