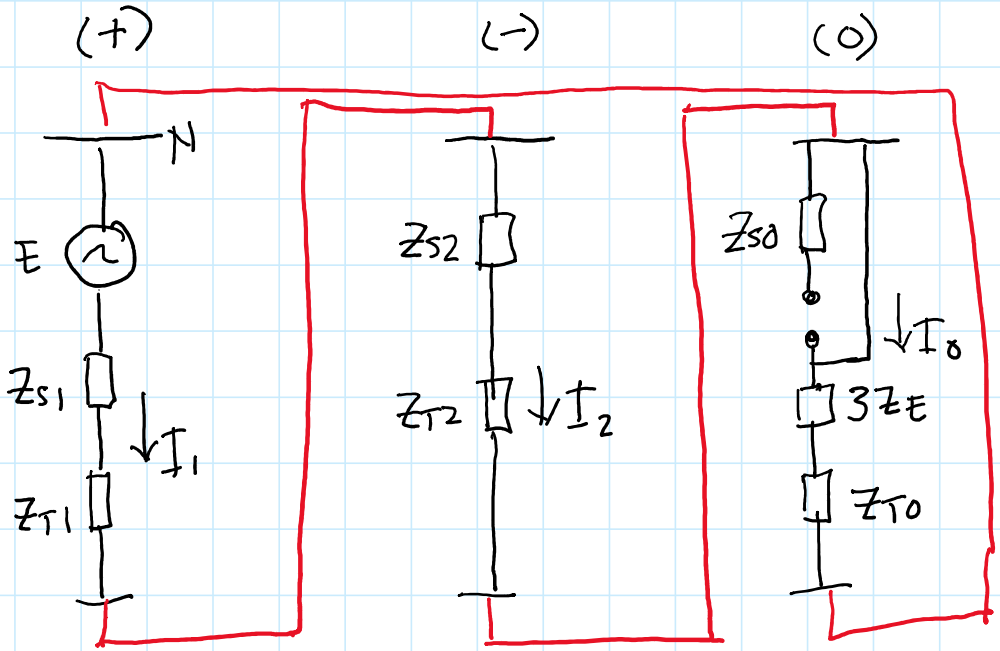


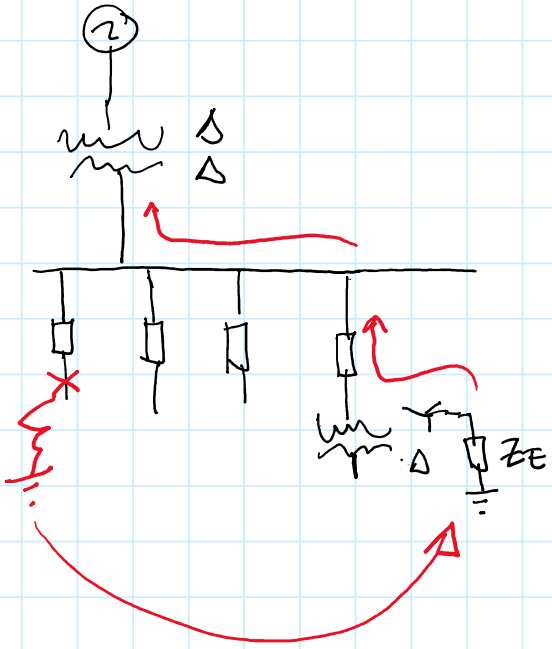
$$I_{FAULT} = 3E/(Z_{S1} + Z_{S2} + Z_{T1} + Z_{T2} + Z_{T0} + 3Z_E)$$

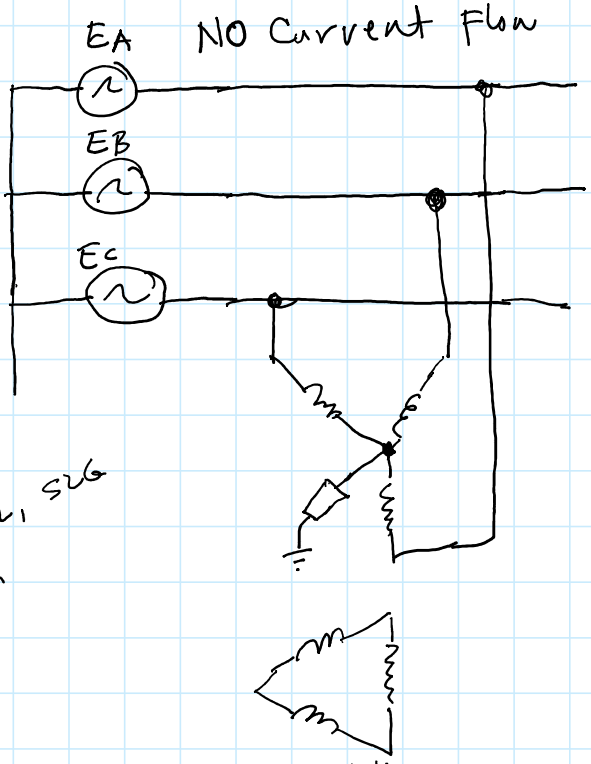
$Z_E \gg Z_S$

$Z_E \ggg Z_T$

Therefore: $I_{FAULT} \approx E/Z_E$

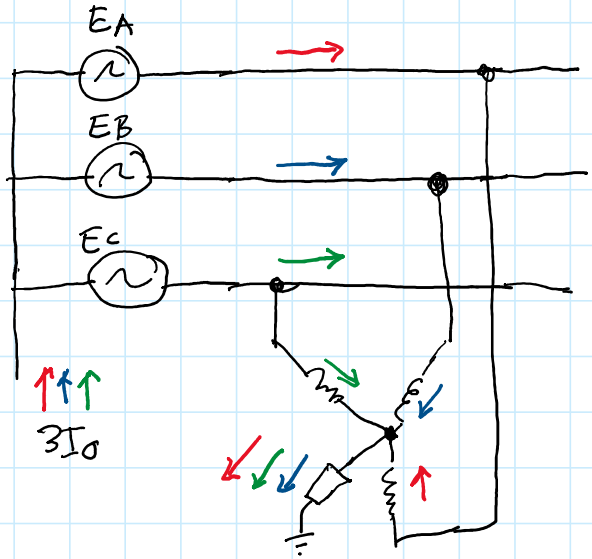
Using Grounding Transformer





3Ø, LL, LLG

Response for positive and Negative Sequence Currents



Response for Zero Sequence