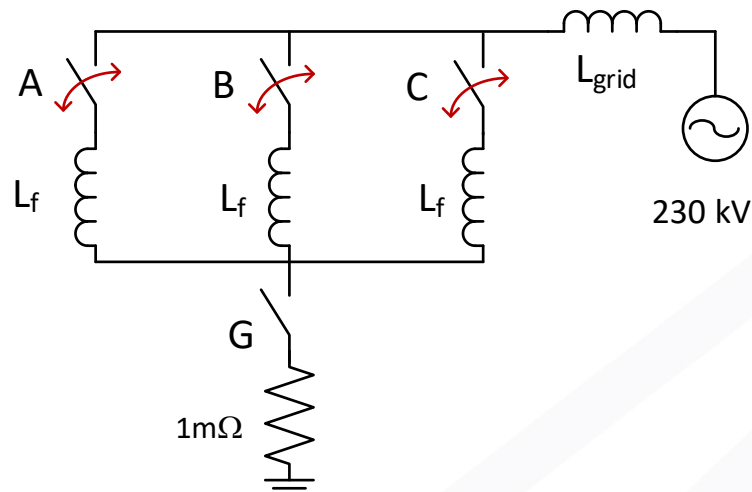


Systematic fault simulations applied to a strong grid.



$$Z_{\text{grid}} = 10 \angle 85^\circ = 0.8716 + j9.9619$$

$$L_{\text{grid}} = 9.9619 / 377 = 0.0264$$

- Initial conditions don't change
- No facilities removed from service after the fault clears
- Fault duration is 0.3s, ride-through is not required for some faults

Phases	Retained Voltage	L_f [H]
ABCG	80%	0.1057
ABCG	50%	0.0264
ABCG	25%	0.0088
ABCG	1%	0.0001
AG	80%	0.1057
AG	50%	0.0264
AG	25%	0.0088
AG	1%	0.0001
BC	80%	0.1057
BC	50%	0.0264
BC	25%	0.0088
BC	1%	0.0001