

## MODELLING OF 3 PH VOLTAGE SOURCE INVERTER

### Requirements

#### HLR

1. Pole Voltages from the switching functions .
2. Phase voltage from Pole voltages using required functions.
3. Three phase voltages and line voltages from the phase voltage.
4. Three phase current by feeding RL lode with an input frequency of 50 HZ.

#### LLR

1. Switching functions for the inputs of different frequency and Aplitudes.
2. Dc link current from the Switching functions.
3. comparing the pole and phase voltages.

Inputs - 3(va,vb,vc)

Outputs

1. Switching Functions
2. Pole voltage
3. Line Voltage
4. Phase Current
5. DC current.

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