# s_indmc_1 (subcircuit)

**Attributes**

```
inputs: va vb vc tl
outputs: wrm
e_left_nodes:
e_right_nodes:
e_top_nodes:
e_bottom_nodes:
parameters:
  j: 0.089
  llr: 0.002
  lls: 0.002
  lm: 0.0693
  poles: 4
  rr: 0.816
  rs: 0.435
```

**Description**

s_indmc_1 is an induction machine model. It incorporates the same equations as the subcircuit s_indmc. The difference between these two subcircutis is the implementation. s_indmc uses "primitive" blocks such as summer and integrator whereas s_indmc_1 employs indmc1.xbe.