E1   Integrating voltage amplifier
{1/(s*tau_i)}

L1
value={L_s}
iinit=0

R3
value={R_i}
noiseflow=0
dcvar=0 dcvarlot=0
noisetemp={T}

in

out

R1
value={R_s}
noisetemp={T}
noiseflow=0
dcvar=0 dcvarlot=0

V1
value=0
dc=0
dcvar=0
noise=0

R2 Termination resistor
value={R_t}
noisetemp={T}
noiseflow=0
dcvar=0 dcvarlot=0
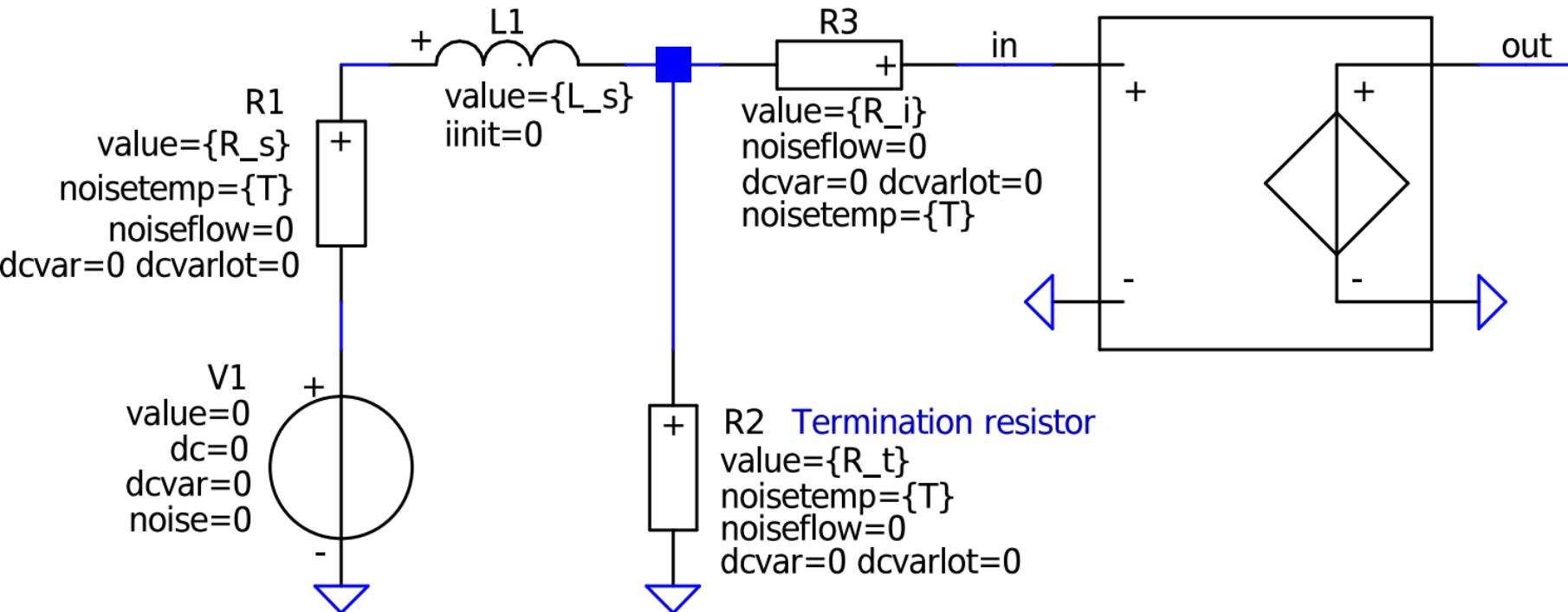
Receive coil (resonance not modeled > 150 kHz)
.param L_s = 120m R_s=875 tau_i=15.9u
.param R_t=10k