

```

model SubCircuit
  parameter Real R1, R2, L, C;
  Real i, u;
  protected
  Real u1,i1, u2,i2, uC,iC, uL,iL;
  equation
  u1 = R1 * i1;      u2 = R2 * i2;
  u2 = uL;           uL=L*der(iL);
  iC=C*der(uC);      u=u1+uL;
  uC=u1+u2;          i=i1+iC;
  i1=i2+iL;
end SubCircuit;

```

