

**Eqn** Z01=test\_FBP\_1\_SP..PortZ(1)[0]

**Eqn** Z02=test\_FBP\_1\_SP..PortZ(2)[0]

**Eqn** Zs=test\_FBP\_1\_SP..Zs[0]

**Eqn** Zload=test\_FBP\_1\_SP..Zload[0]

Zs
50.000 + j50.000

Zload
20.000 + j30.000

test_FBP_1_SP..PortZ[0]	
(1)	(2)
50.000 + j50.000	200.000 - j120.000

Z01
50.000 + j50.000

Z02
200.000 - j120.000

**Eqn** my\_S11=test\_FBP\_1\_SP..S(1,1)

**Eqn** my\_S12=test\_FBP\_1\_SP..S(1,2)

**Eqn** my\_S21=test\_FBP\_1\_SP..S(2,1)

**Eqn** my\_S22=test\_FBP\_1\_SP..S(2,2)

Zin_AC[200]
12.983 + j1.240

**Eqn** Zin\_AC=test\_FBP\_1\_AC..in/(-test\_FBP\_1\_AC..SRC1.i)

**Eqn** Gamma\_P\_AC=(Zin\_AC-conj(Zs))/(Zin\_AC+Zs)

**Eqn** Gamma\_V\_AC=(Zin\_AC-Zs)/(Zin\_AC+Zs)

**Eqn** S\_new=stos(test\_FBP\_1\_SP..S, test\_FBP\_1\_SP..PortZ, {Z01,Zload})

**Eqn** Gamma\_L=(Zload-Z02)/(Zload+conj(Z02))

**Eqn** Gamma\_in=my\_S11+my\_S12\*my\_S21\*Gamma\_L/(1-my\_S22\*Gamma\_L)

