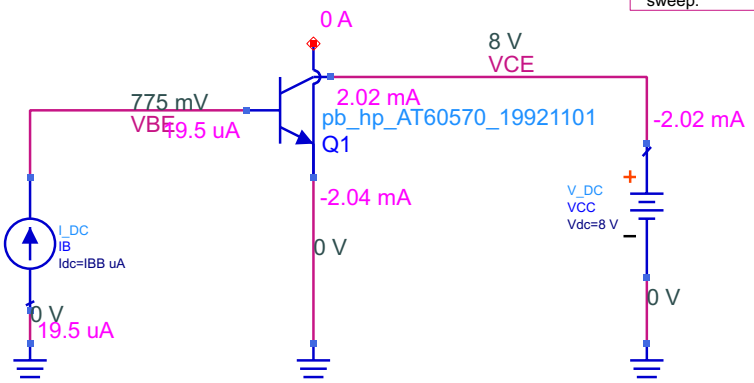
Choosing Bias Conditions:

Data for the S-parameter-based component were measured at VCE=8V and ICE=2mA.
Choosing the bias conditions for the device model consists of determining what base voltage is required to give ICE=2mA when VCE is set to 8V.

Named connections are defined for VBE and VCE.
A "Var eqn" component defines IBB and initializes it to 0.
The DC simulation control is set to sweep IBB.

The results are saved in BiasSetup.dds.

Choosing "Simulate>Annotate DC Solution" after simulation shows first result in sweep.



DC
DC1
SweepVar="IBB"
Start=19.5
Stop=25
Step=0.5

The sweep variable and range are defined in the "DC" controller.

Units are defined as uA in the I_DC source component.

The sweep parameters are displayed by editing the component and going to the "Display" page in the parameter dialog.

VAR
VAR1
IBB=0

The variable IBB is initialized here, but the value is set in the "DC" controlloer.