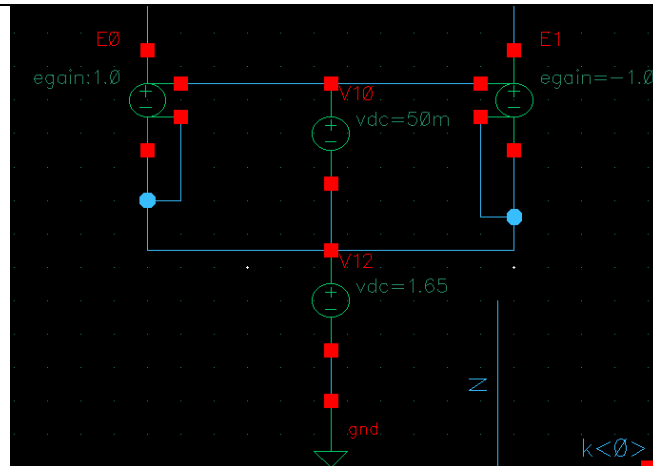
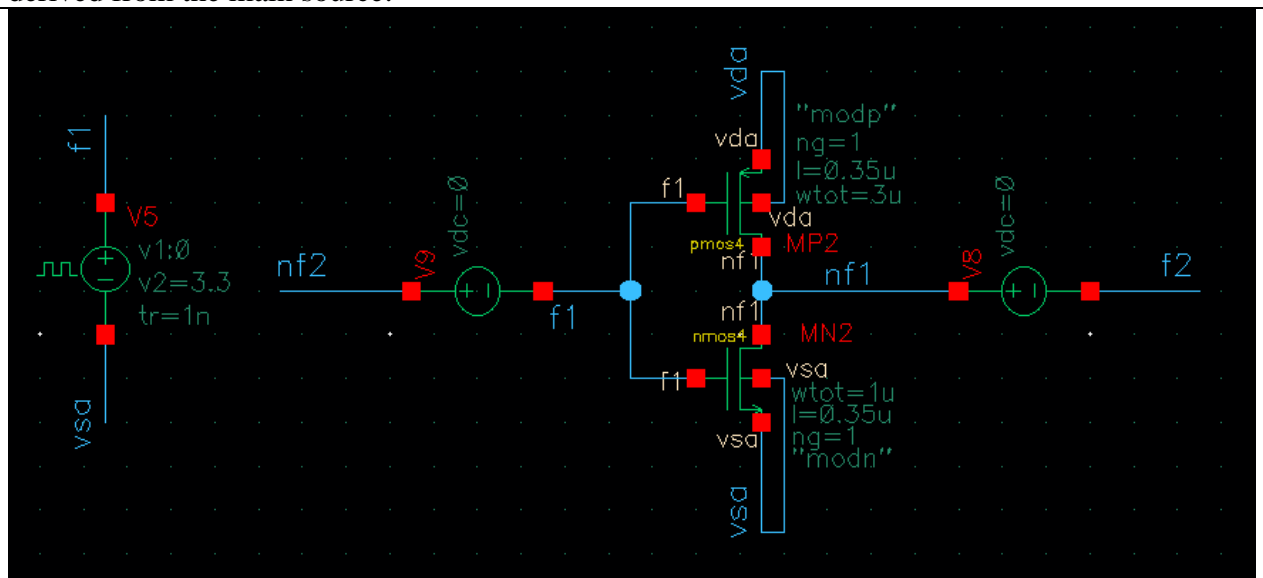


1 Input signal is set to be DC.



2 Ideal clock generator should be only one. If we need more than one clock signal, they should be derived from the main source:



### 3 PSS analysis setup.

Fundamental Tones should have only one frequency.

Beat Frequency should equal to the sampling frequency.

Additional Time for Stabilization – time required for the circuit to achieve normal region of operation.

**Choosing Analyses -- ADE L (1)**

Analysis ☐ tran ☐ dc ☐ ac ☐ noise  
☐ xf ☐ sens ☐ dcmatch ☐ stb  
☐ pz ☐ sp ☐ envlp ☒ pss  
☐ pac ☐ pstb ☐ pnoise ☐ pxf  
☐ psp ☐ qpss ☐ qpac ☐ qpnoise  
☐ qpxf ☐ qpss ☐ hb ☐ hbac  
☐ hbnoise ☐ hbss

Periodic Steady State Analysis

Engine ☒ Shooting ☐ Harmonic Balance

Fundamental Tones

#	Name	Expr	Value	Signal	SrcId
3		1/(1/Sampl	500K	Large	v5

Large

☒ Beat Frequency ☐ Beat Period  ☒ Auto Calculate

Output harmonics  
Number of harmonics

Accuracy Defaults (errpreset)  
☐ conservative ☒ moderate ☐ liberal

Additional Time for Stabilization (tstab)

Save Initial Transient Results (saveinit) ☐ no ☐ yes

Oscillator ☐

Sweep ☐

New Initial Value For Each Point (restart) ☐ no ☐ yes

Loadpull ☐

Enabled ☒

#### 4 PAC analysis setup.

Fill in frequency range and the required frequency step.

Sidebands should be 0.

**Choosing Analyses -- ADE L (1)**

Analysis

☐ tran ☐ dc ☐ ac ☐ noise

☐ xf ☐ sens ☐ dcmatch ☐ stb

☐ pz ☐ sp ☐ envlp ☐ pss

☒ pac ☐ pstb ☐ pnoise ☐ pxf

☐ psp ☐ qpss ☐ qpac ☐ qpnoise

☐ qpxf ☐ qpssp ☐ hb ☐ hbac

☐ hbnoise ☐ hbssp

Periodic AC Analysis

PSS Beat Frequency (Hz)

Sweeptype  Sweep is currently absolute

Input Frequency Sweep Range (Hz)

Start  Stop

Sweep Type

☒ Points Per Decade

☐ Number of Steps

Add Specific Points ☐

Sidebands

When using shooting engine, default value is 7.

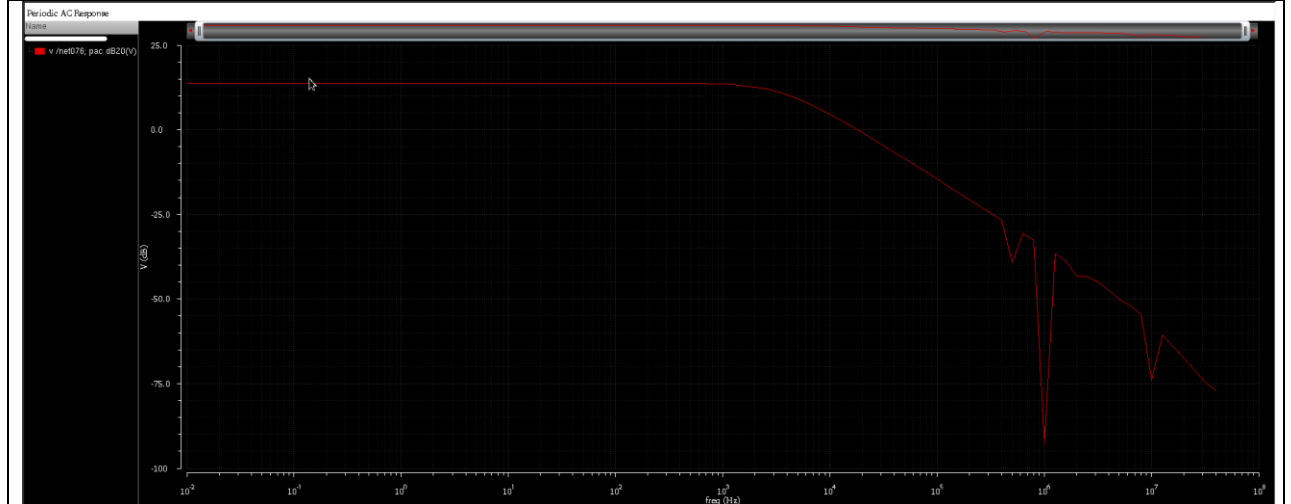
Specialized Analyses

Enabled ☐

#### 5 Printing out the results.

Select Results->Direct Plot->Main Form. Then select PAC tab and select required parameters.

6 Click on a desired node to plot.



P.S. We will see some artefacts near the sampling frequency, which is normal and makes complete sense.