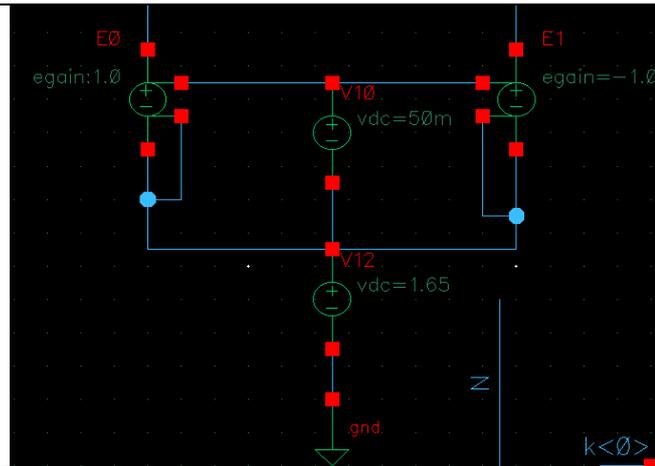
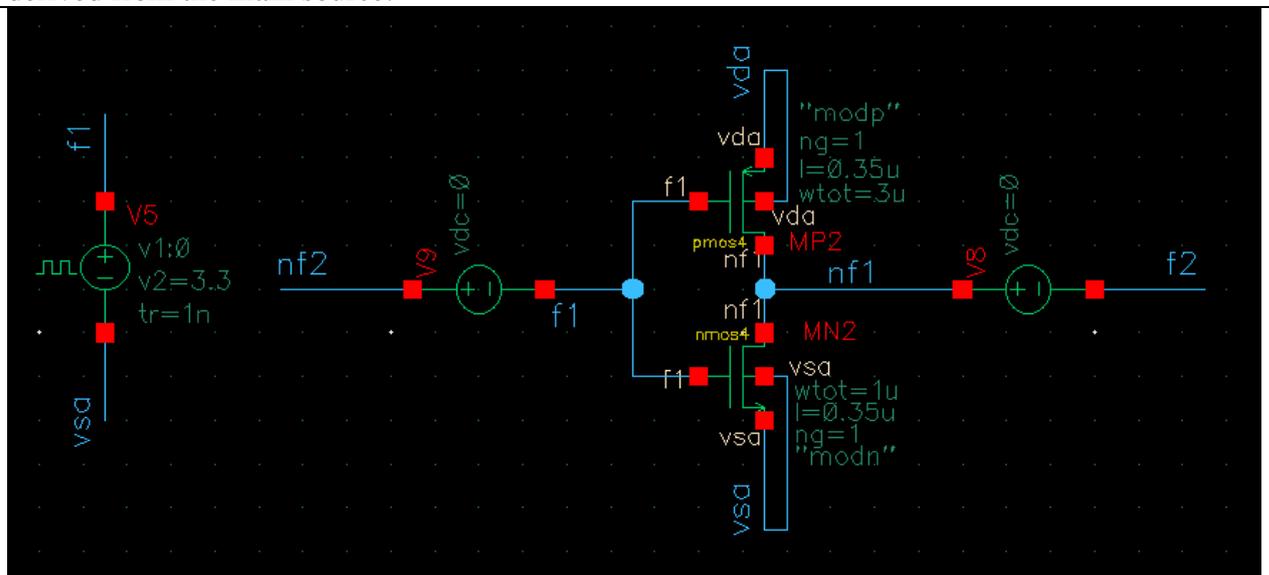


1 Input signal is set to be DC.



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  qpasp  hb  hbac  
 hbnoise  hbasp

Periodic Steady State Analysis

Engine  Shooting  Harmonic Balance

Fundamental Tones

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

Clear/Add Delete Update From Hierarchy

Beat Frequency  Beat Period 500K Auto Calculate

Output harmonics  
Number of harmonics |

Accuracy Defaults (errpreset)  
 conservative  moderate  liberal  
Additional Time for Stabilization (tstab) 4u  
Save Initial Transient Results (saveinit)  no  yes

Oscillator

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

Loadpull

Enabled  Options...

OK Cancel Defaults Apply Help

#### 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) 500K

Sweep type default Sweep is currently absolute

Input Frequency Sweep Range (Hz)

Start-Stop Start 0.01 Stop 1G

Sweep Type

Logarithmic  Points Per Decade 10

Number of Steps

Add Specific Points

Sidebands

Maximum sideband 0

When using shooting engine, default value is 7.

Specialized Analyses

None

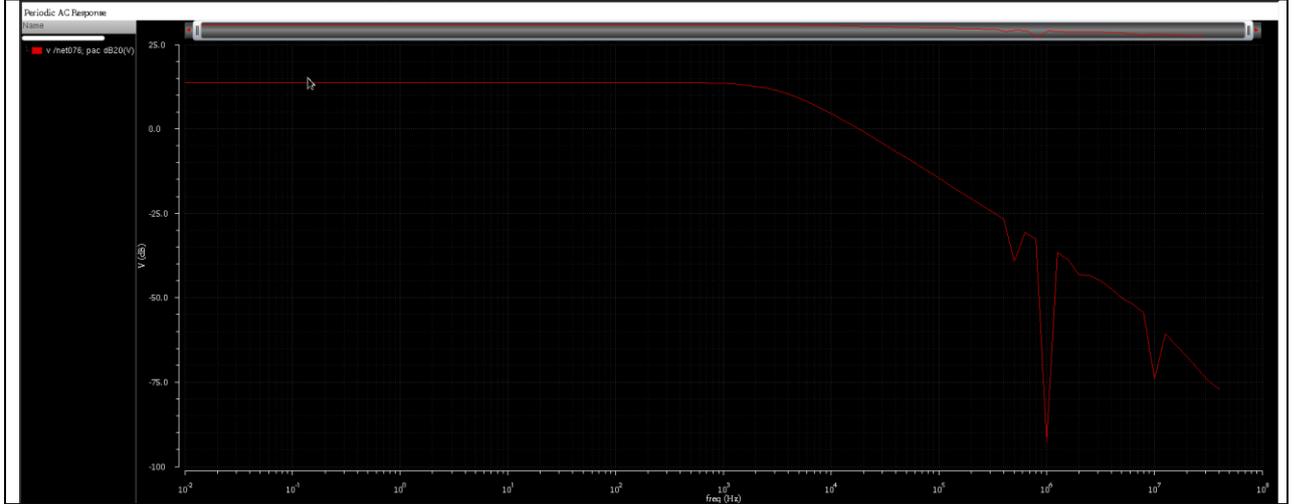
Enabled  Options...

OK Cancel Defaults Apply Help

#### 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.