INVERTER CODE IN SLIVACO

```
go atlas

mesh outf= ntfet.str master.out

x.mesh loc=0.0 spac=0.1
x.mesh loc=3.0 spac=0.1

y.mesh loc=-0.02 spac=0.01
y.mesh loc=0.0  spac=0.01
y.mesh loc=0.7 spac=0.06
y.mesh loc=2.0 spac=0.2

region num=1 y.min=0 silicon
region num=2 y.max=0 oxide



ele num=4 x.min=1 length=1.0 name=ngate
ele num=5 left length =1.0 y.min=0 y.max=0 name=nsource
ele num=6 right length=1.0 y.min=0 y.max=0 name=ndrain


go atlas

.begin

vin 1 0 0
an 2=drain 1=gate 0=source infile=ntfet.str width=15
vcc 3 0 5
```

```
r1 2 3 20k
c1 2 0 0.1f

.numeric vchange=1
.options print m2ln noshift

.save outfile=inverter
.end



go atlas

.begin

vin 1 0 0. PULSE 0 5 0 50ps 50ps 1000ps 10
an 2=drain 1=gate 0=source infile=ntfet.str width=15
vcc 3 0 5
r1 2 3 20k
c1 2 0 0.1f



.numeric lte=0.05 dtmin=1e-15
.options print  noshift

.load infile =inverter
.log outfile =inv

.tran 0.001ps 3ns
.end
quit
```