

# NGSPICE

```
.temp 27
.control
save all
set filetype=ascii

op
write bandgap_simple.raw

dc temp -30 125 1
set appendwrite
write bandgap_simple.raw
plot vref

wrdata bandgap_simple.txt vref
.endc
```

# MODEL

```
.lib cornerMOSlv.lib mos_tt
.lib cornerHBT.lib hbt_typ
.lib cornerRES.lib res_typ
```

→ simulate

→ annotate OP

