

- LTSpice BJT
- BF740
- BFU730F
- NEVJ2557SA3
- SMV2026

→ netlist simulate wait load

```

s1
- .param cf = 20p
- .param rrr = 4k
- .param rrr = 30k
- .param ee = 4k

- .param temp = 27
- .option rabuhk = 10p
- .option crrulew = 1e
- .option cabunt = 10f
- .option method=gear
- .option dbplot=11 wlist=0.01 ttotal=1

- .control
save all
* save all
write
set appendwrite
load in 20u
write
db vout1 -2 2 .01 vout1 -2 2
write
db vout1 -2 2 .01 vout1 1 3 .2
write
alter %vsig[db] = 0
alter %vout[db] = 2
SP
* sig load 50p
alter %vsig[amag] = 1
alter %vout[amag] = 0
alter c4 = 50p
* rrr
ac dec 101 1k3 1e9
write
* sig load 12p
alter c4 = 12p
* rrr
ac dec 101 1k3 1e9
write
* ee
alter c4 = 50p
alter %vsig[amag] = 0
alter %vout[amag] = 1
* rrr
ac dec 101 1k3 1e9
write
quit
- .endc

```

→ netlist simulate wait load

→ netlist load

s2

```

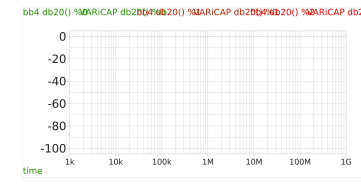
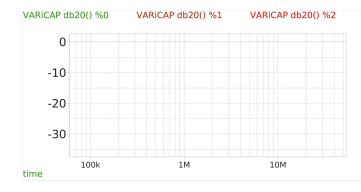
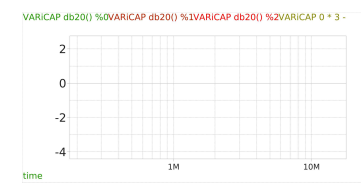
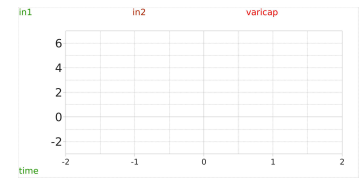
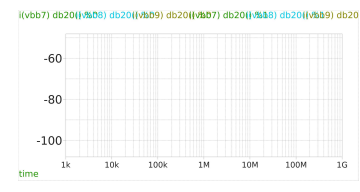
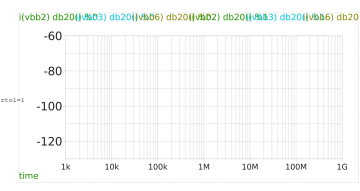
* (s123) solve (11 = (k * 51^2 + 2 * (1-k) * 51))
* (s23) (s=0.00014407623042)

- .param cf = 20p
- .param rrr = 4k
- .param rrr = 30k
- .param ee = 4k

- .param temp = 27
- .option rabuhk = 10p
- .option crrulew = 1e
- .option cabunt = 10f
- .option method=gear
- .option dbplot=11 wlist=0.01 ttotal=1

- .control
save all
* save all
write
set appendwrite
load in 20u
write
db vout1 -2 2 .01 vout1 -2 2
write
db vout1 -2 2 .01 vout1 1 3 .2
write
alter %vsig[db] = 0
alter %vout[db] = 2
SP
* sig load 50p
alter %vsig[amag] = 1
alter %vout[amag] = 0
alter c4 = 50p
* rrr
ac dec 101 1k3 1e9
write
* sig load 12p
alter c4 = 12p
* rrr
ac dec 101 1k3 1e9
write
* ee
alter c4 = 50p
alter %vsig[amag] = 0
alter %vout[amag] = 1
* rrr
ac dec 101 1k3 1e9
write
quit
- .endc

```



s3

```

* (s123) solve (11 = (k * 51^2 + 2 * (1-k) * 51))
* (s23) (s=0.00014407623042)

- .param cf = 20p
- .param rrr = 4k
- .param rrr = 30k
- .param ee = 4k

- .param temp = 27
- .option rabuhk = 10p
- .option crrulew = 1e
- .option cabunt = 10f
- .option method=gear
- .option dbplot=11 wlist=0.01 ttotal=1

- .control
save all
* save all
write
set appendwrite
load in 20u
write
db vout1 -2 2 .01 vout1 -2 2
write
db vout1 -2 2 .01 vout1 1 3 .2
write
alter %vsig[db] = 0
alter %vout[db] = 2
SP
* sig load 50p
alter %vsig[amag] = 1
alter %vout[amag] = 0
alter c4 = 50p
* rrr
ac dec 101 1k3 1e9
write
* sig load 12p
alter c4 = 12p
* rrr
ac dec 101 1k3 1e9
write
* ee
alter c4 = 50p
alter %vsig[amag] = 0
alter %vout[amag] = 1
* rrr
ac dec 101 1k3 1e9
write
quit
- .endc

```

