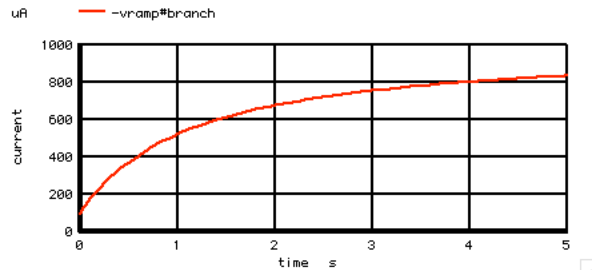
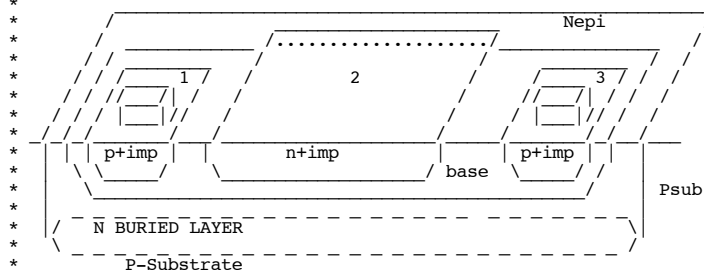
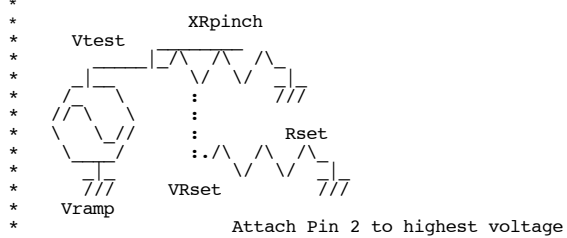


# PINCH\_RESISTOR

SOMETIMES MODELING PINCH RESISTORS IS IMPORTANT.



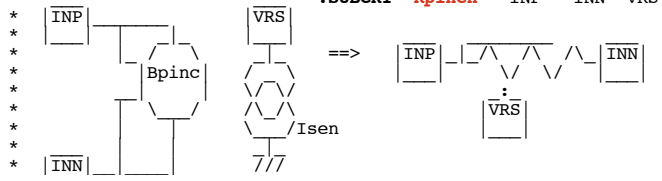
## PINCH\_RESISTOR



```

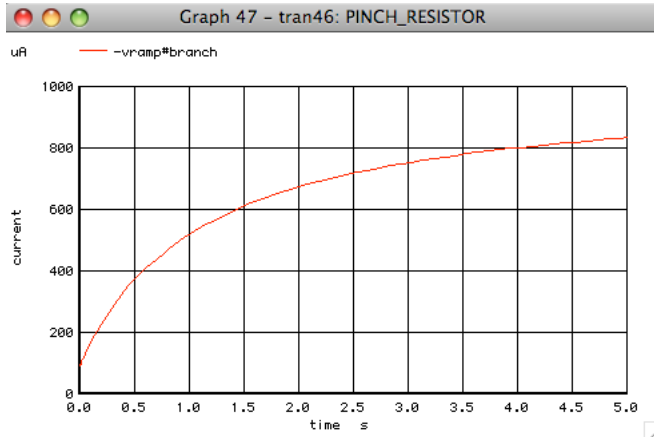
Vramp      Vtest 0      PWL( 0 0.1 5 5.0)
XRpinch    Vtest 0      VRset Rpinch
Rset       VRset 0      1k
.tran      100m 5      0      100m
.control
run
plot      -vramp#branch
dump
.endc
.SUBCKT   Rpinch  INP  INN  VRS
Isen     VRS    0      -1u
Bpinch  INP    INN    I = .000001*(v(INP) - v(INN))/(v(VRS)*(1+1*(v(INP) - v(INN))))
.ENDS    Rpinch

```



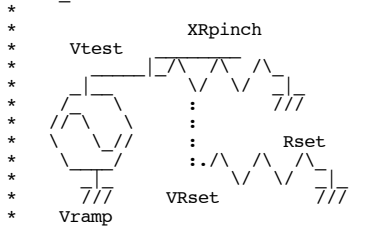
\* |\_\_|

.end



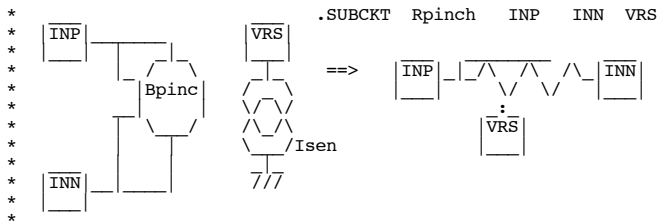
\*#1=====WinSpiceVersion=====

PINCH\_RESISTOR



```
Vramp      Vtest  0      PWL( 0      0.1  5  5.0)
XRpinch Vtest  0      VRset  Rpinch
Rset      VRset  0      1k
.tran     100m  5      0      100m
```

```
.control
run
plot -vramp#branch
dump
.endc
```

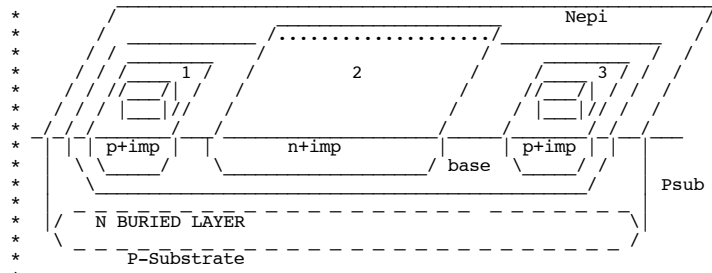


```

.SUBCKT Rpinch INP INN VRS
Isen VRS 0 -1u
Bpinc INP INN I = .000001*(v(INP) - v(INN))/(v(VRS)*(1+1*(v(INP) - v(INN))))
.ENDS Rpinch

```

\*  
 \* Attach Pin 2 to highest voltage  
 \*



.end