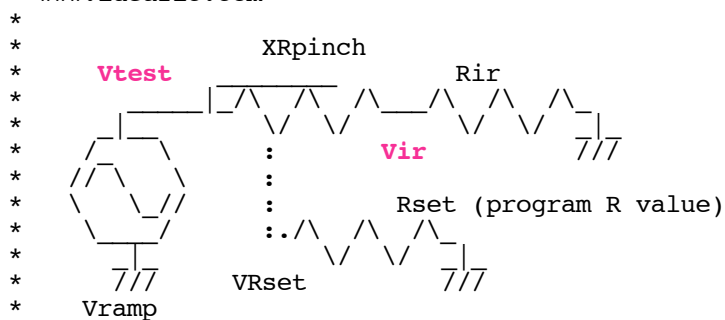


PINCH_RESISTOR2

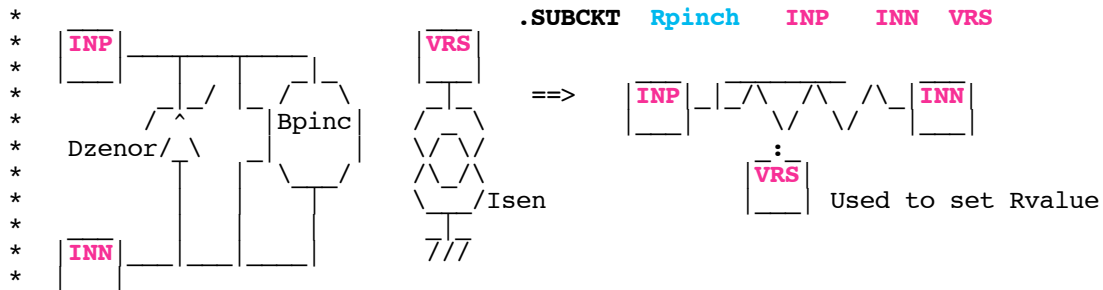
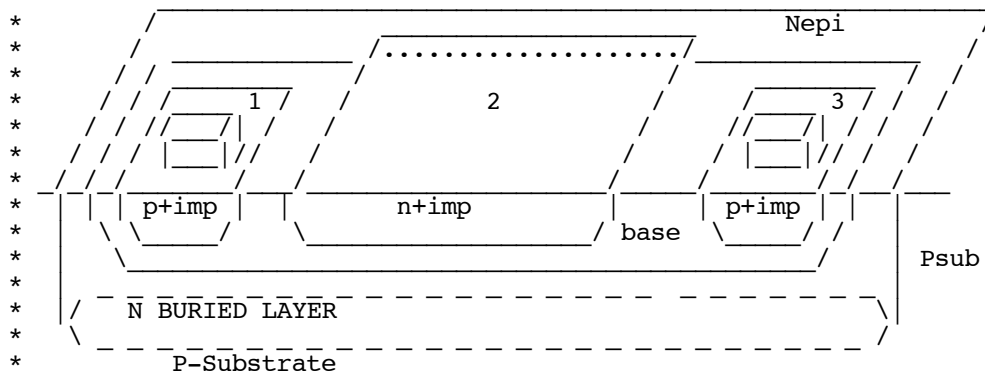
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 * www.idea2ic.com



```
Vramp      Vtest  0    PWL(  0    0.1  8    8.0)
XRpinch   Vtest  Vir   VRset  Rpinch
Rir       Vir    0    1
Rset      VRset  0    10k
.tran     100m  8    0      100m
```

```
.control
run
plot      vir    ylimit 0 .2m
dump
.endc
```

* **Rpinch layout**
 * Attach Pin 2 to highest voltage (will zenor at 7volts)



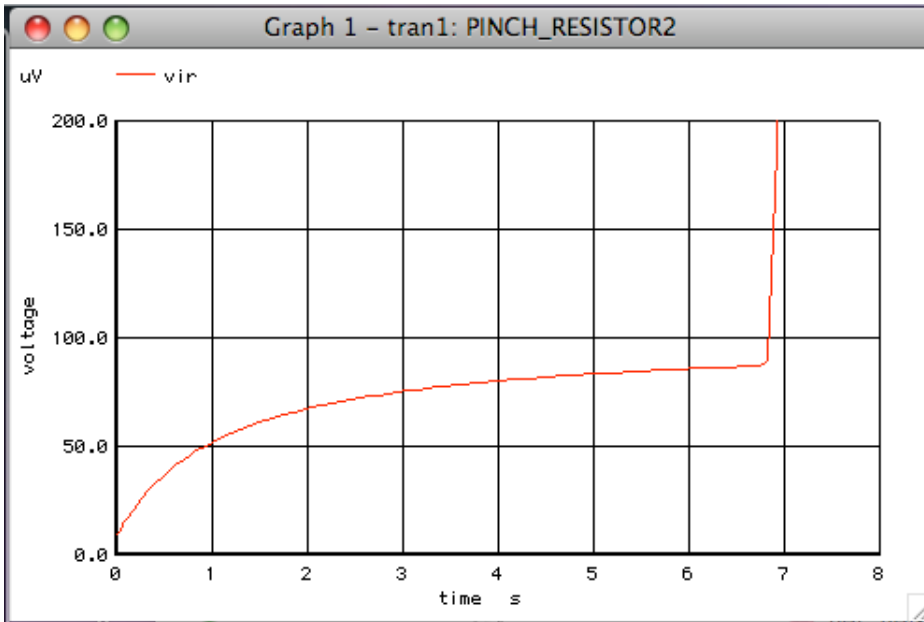
```
.SUBCKT  Rpinch  INP  INN  VRS
Isen     VRS    0    -1u
Bpinc    INP    INN  I = .000001*(v(INP) - v(INN))/(v(VRS)*(1+1*(v(INP) - v(INN))))
Dzenor   INN    INP  Dzen
.ENDS    Rpinch

.MODEL   Dzen    D( RS=10 BV=7 )
```

.end

=====**Rpinch_Curver_Tracer_Plot**=====

The pinch resistors model may sometimes need to be extended to include the zenor behaviour.



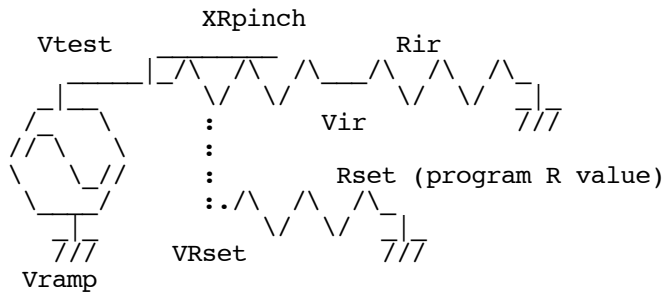
*#1=====**WinSpiceVersion**=====

PINCH_RESISTOR2

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```

Vramp  Vtest  0    PWL(  0    0.1  8    8.0)
XRpinch Vtest  Vir  VRset  Rpinch
Rir     Vir   0    1
Rset    VRset 0    10k
.tran   100m 8    0    100m

```

```

.control
run
plot   vir   ylimit 0 .2m
dump
.endc

```

```

*   Rpinch layout
*   Attach Pin 2 to highest voltage (will zenor at 7volts)

```

