

isrc_pwl20.ece



Attributes

```
mainnodes: p n
outvar: i1=cur(n)_of_i0
main_var:
iparms: n1=2
rparms:
+   t1=1 is1=1 t2=2 is2=2
+   t3=3 is3=3 t4=4 is4=4
+   t5=5 is5=5 t6=6 is6=6
+   t7=7 is7=7 t8=8 is8=8
+   t9=9 is9=9 t10=10 is10=10
+   t11=11 is11=11 t12=12 is12=12
+   t13=13 is13=13 t14=14 is14=14
+   t15=15 is15=15 t16=16 is16=16
+   t17=17 is17=17 t18=18 is18=18
+   t19=19 is19=19 t20=20 is20=20
```

Description

isrc_pwl20.ece is a current source with a piecewise linear current waveform with up to 20 “break points”. The parameters have the following meaning:

n: Number of break points.

t1,t2, etc.: Time of break point 1, 2, etc.

is1,is2, etc.: Current value of at the corresponding break point. For example, **is2=3.5** means that the current at the 2nd break point is 3.5. The source current is made constant (equal to **is1**) before **t1**. Also, it is made constant after the nth break point.

The source current is made available as the output variable **i1**.

AC behaviour is not implemented.