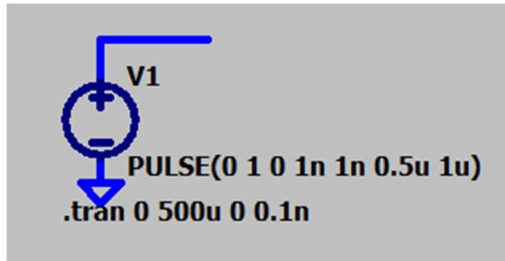# Base Simulation Time


```
Date: Tue Apr 06 16:37:44 2021
Total elapsed time: 12.377 seconds.

tnom = 27
temp = 27
method = modified trap
totiter = 10029668
traniter = 10029668
tranpoints = 5014835
accept = 5012824
rejected = 2011
matrix size = 2
fillins = 0
solver = Normal
Matrix Compiler1: off   [0.0]/0.0/0.0
Matrix Compiler2: 82 bytes object code size   0.0/0.0/[0.0]


V1 IN 0 PULSE(0 1 0 1n 1n 0.5u 1u)
.tran 0 500u 0 0.1n
.backanno
.end
```
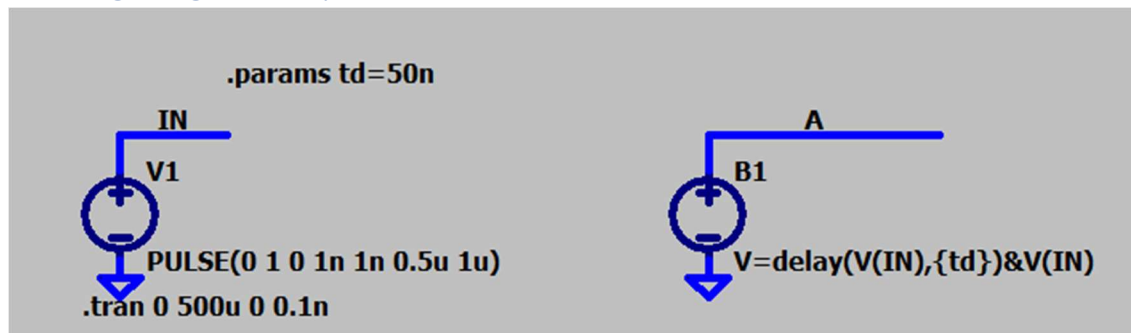
Adding single delay Line


```
.params td=50n

IN                              A

V1                              B1

PULSE(0 1 0 1n 1n 0.5u 1u)      V=delay(V(IN),{td})&V(IN)
.tran 0 500u 0 0.1n
```
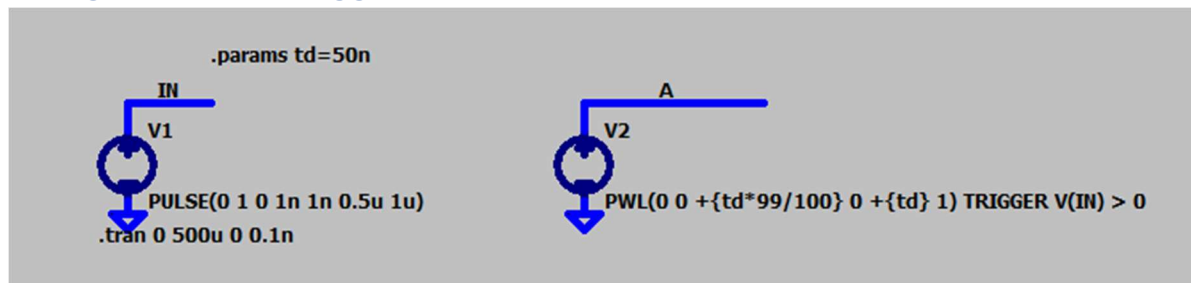
Date: Tue Apr 06 16:40:05 2021
Total elapsed time: 22.298 seconds.

tnom = 27
temp = 27
method = modified trap
totiter = 10030168
traniter = 10030168
tranpoints = 5014835
accept = 5012824
rejected = 2011
matrix size = 4
fillins = 0
solver = Normal
Matrix Compiler1: 64 bytes object code size   0.0/0.0/[0.0]
Matrix Compiler2: 174 bytes object code size   0.0/0.0/[0.0]

V1 IN 0 PULSE(0 1 0 1n 1n 0.5u 1u)
B1 A 0 V=delay(V(IN),{td})&V(IN)
.tran 0 500u 0 0.1n
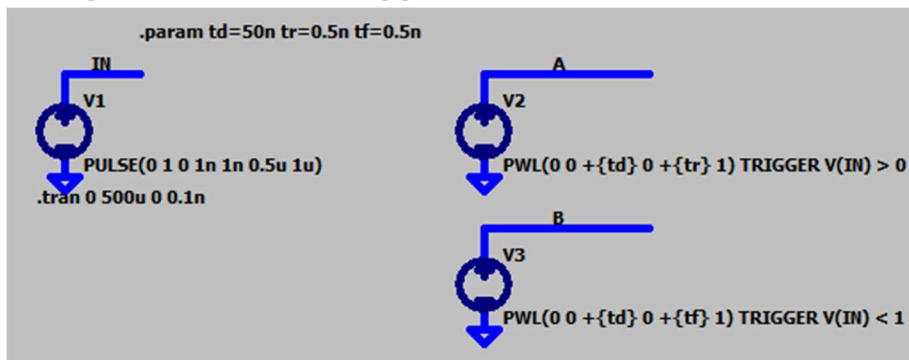.param td=50n
.backanno
.end

Using PWL with Trigger


```
Date: Tue Apr 06 16:52:44 2021
Total elapsed time: 18.744 seconds.

tnom = 27
temp = 27
method = modified trap
totiter = 10030168
traniter = 10030168
tranpoints = 5014835
accept = 5012824
rejected = 2011
matrix size = 4
fillins = 0
solver = Normal
Matrix Compiler1: off  [0.0]/0.0/0.0
Matrix Compiler2: off  [0.0]/0.0/0.0


V1 IN 0 PULSE(0 1 0 1n 1n 0.5u 1u)
V2 A 0 PWL(0 0 +{td*99/100} 0 +{td} 1) TRIGGER V(IN) > 0
.tran 0 500u 0 0.1n
.param td=50n
.backanno
.end
```
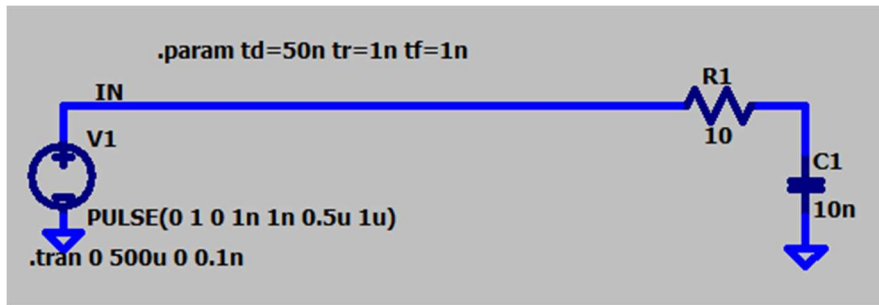
Using 2 PWLs with Trigger


```
Date: Tue Apr 06 17:16:25 2021
Total elapsed time: 25.594 seconds.

tnom = 27
temp = 27
method = modified trap
totiter = 10030667
traniter = 10030667
tranpoints = 5014835
accept = 5012824
rejected = 2011
matrix size = 6
fillins = 0
solver = Normal
Matrix Compiler1: 74 bytes object code size   0.0/0.0/[0.0]
Matrix Compiler2: 238 bytes object code size   0.0/0.1/[0.0]


V1 IN 0 PULSE(0 1 0 1n 1n 0.5u 1u)
V2 A 0 PWL(0 0 +{td} 0 +{tr} 1) TRIGGER V(IN) > 0
V3 B 0 PWL(0 0 +{td} 0 +{tf} 1) TRIGGER V(IN) < 1
.tran 0 500u 0 0.1n
.param td=50n tr=0.5n tf=0.5n
.backanno
.end
```

Simple RC Simulation


```
Date: Tue Apr 06 17:38:39 2021
Total elapsed time: 26.049 seconds.

tnom = 27
temp = 27
method = modified trap
totiter = 10029668
traniter = 10029668
tranpoints = 5014835
accept = 5012824
rejected = 2011
matrix size = 3
fillins = 0
solver = Normal
Matrix Compiler1: 50 bytes object code size   0.0/0.0/[0.0]
Matrix Compiler2: 175 bytes object code size   0.0/0.0/[0.0]



V1 IN 0 PULSE(0 1 0 1n 1n 0.5u 1u)
R1 N001 IN 10
C1 N001 0 10n
.tran 0 500u 0 0.1n
.param td=50n tr=1n tf=1n
.backanno
.end
```