

The code is tested under Cygwin64.

Runparse.exe is an executable file. If you need to compile on yourself, type in command line:

```
$ make parse
```

```
$ make runparse
```

To run the executable file:

```
$ ./runparse netlist_t1.sp
```

```
hliang@ZU-LAB-002 /cygdrive/c/Users/hliang/Desktop/ucr-ee213/project/hlian010/matlab_spice_parser/ee213
$
hliang@ZU-LAB-002 /cygdrive/c/Users/hliang/Desktop/ucr-ee213/project/hlian010/matlab_spice_parser/ee213
$ make parse
flex -oparse.yy.c parse.tex
bison -d parse.y
hliang@ZU-LAB-002 /cygdrive/c/Users/hliang/Desktop/ucr-ee213/project/hlian010/matlab_spice_parser/ee213
$ make runparse
gcc -g -o runparse main.o parse_func.o Symbol_Table.o MNA_Matrix.o
hliang@ZU-LAB-002 /cygdrive/c/Users/hliang/Desktop/ucr-ee213/project/hlian010/matlab_spice_parser/ee213
$ ./runparse.exe netlist_t1.sp

File name: netlist_t1.sp
[Resistor parsed ...]
  name=R1, node=1, node=0, R=5.000000e+00
[VCCS parsed ...]
  name=G2, N+=1, Ne=0, Nc+=1, Nc-=2, G=2.000000e+00
[Resistor parsed ...]
  name=R3, node=1, node=2, R=6.000000e+00
[Resistor parsed ...]
  name=R4, node=2, node=0, R=8.000000e+00
[Current source parsed ...]
  name=Is, node=0, node=2, I=1.000000e+01
[Finished parsing netlist1]
  #res=3, #cap=0, #ind=0, #vccs=1, #vsrc=0, #isrc=1
Node:1 Index: 0
Node:0 Index: 1
Node:1 Index: 0
Node:0 Index: 1
Node:1 Index: 0
Node:2 Index: 2
Node:1 Index: 0
Node:2 Index: 2
Node:2 Index: 2
Node:0 Index: 1
Node:0 Index: 1
Node:2 Index: 2
NodeSize = 3
MatrixSize = 4

[0 ] 2.366667e+00 0.000000 -0.200000e+00 0.000000 -2.166667e+00 0.000000 0.000000e+00 0.000000 0.000000
[1 ] -2.200000e+00 0.000000 0.325000e+00 0.000000 1.875000e+00 0.000000 0.000000e+00 0.000000 -10.000000
[2 ] -0.166667e+00 0.000000 -0.125000e+00 0.000000 0.231667e+00 0.000000 0.000000e+00 0.000000 10.000000
[3 ] 0.000000e+00 0.000000 0.000000e+00 0.000000 0.000000e+00 0.000000 0.000000e+00 0.000000 0.000000
hliang@ZU-LAB-002 /cygdrive/c/Users/hliang/Desktop/ucr-ee213/project/hlian010/matlab_spice_parser/ee213
$
```