BMAC Installation Manual

1) cd to home dir
  a. mkdir bmac
  b. cd bmac
  c. cp -r /usr/nikola/groups/vlsi/analog/data/mscad/BMAC .
  d. cp -r /usr/nikola/groups/vlsi/analog/data/mscad/BMACTEST .
  e. cp -r /usr/nikola/groups/vlsi/analog/data/mscad/spice3f5 .

2) set enviroments
  a. setenv SAVANTROOT homedir/bmac/BMAC
  b. setenv SPICEROOT homedir/..

3) testing(for example res.vhdl in vhdlams directory)
  a. cd homedir/bmac/BMACTEST
  b. runscript vhdlams/res.vhdl runres.vhdl
  c. homedir/bmac/BMAC/bin/bmac runres.vhdl >/dev/null

4) compile spice
  a. cd homedir/bmac/spice3f5/src/lib/dev/wbr
  b. rm *
  c. cp homedir/bmac/BMACTEST/gen/* .
  d. mv inp2n.c ../../inp/
  e. mv terminal_gen* ../../inp/
  f. cd homedir/bmac/spice3f5
  g. rm -f src/bin/*.o
  h. util/build sun4 gcc
  i. cp src/bin/spice3 ../BMAC/bin

5) test new spice(for example res.vhdl)
  a. cd homedir/bmac/BMACTEST/examples/res/
  b. homedir/bmac/BMAC/spice3 -b -o output.res wbr.cir
  c. open output.res and exam the result of simulation

extra utility:

1. bmacextract.pl is located at homedir/bmac/BMAC/bin
   it can extract waveforms for the output of spice simulation
so that matlab can load the waveforms and plot them;