Spice deck for device variation

```
*** MODEL Descriptions ***
*** NETLIST Description ***
***Nominal transistors***
M1 out in vdd vdd pmos W=0.375u L=0.25u
M2 out in 0 0 nmos W=0.375u L=0.25u
cload out 0 10f
.control
  let nmoswidth = 0.375u
  alter M2 W = nmoswidth
  let pmoswidth = 1.875u
  alter M1 W = pmoswidth
  let widthVariation = 0
  dowhile width Variation < 5
   echo "nmos width is $&nmoswidth"
echo "pmos width is $&pmoswidth"
   dc Vin 0 2.5 0.01
   let nmoswidth = nmoswidth + 0.375u
   let pmoswidth = pmoswidth - 0.375u
   alter @M2[W] = nmoswidth
   alter @M1[W] = pmoswidth
   let widthVariation = widthVariation + 1
  end
  plot dc1.out vs in dc2.out vs in dc3.out vs in dc4.out vs in dc5.out vs in xlabel "input voltage
[V]" ylabel "output voltage [V]" title "Inverter dc characteristics as a function of NMOS-PMOS
width"
* quit
.endc
Vdd vdd 0 2.5
Vin in 0 2.5
*** SIMULATION Commands ***
do.***
***.dc Vin 0 2.5 0.05
*** .include tsmc 025um model.mod ***
.LIB "tsmc_025um_model.mod" CMOS_MODELS
.end
```