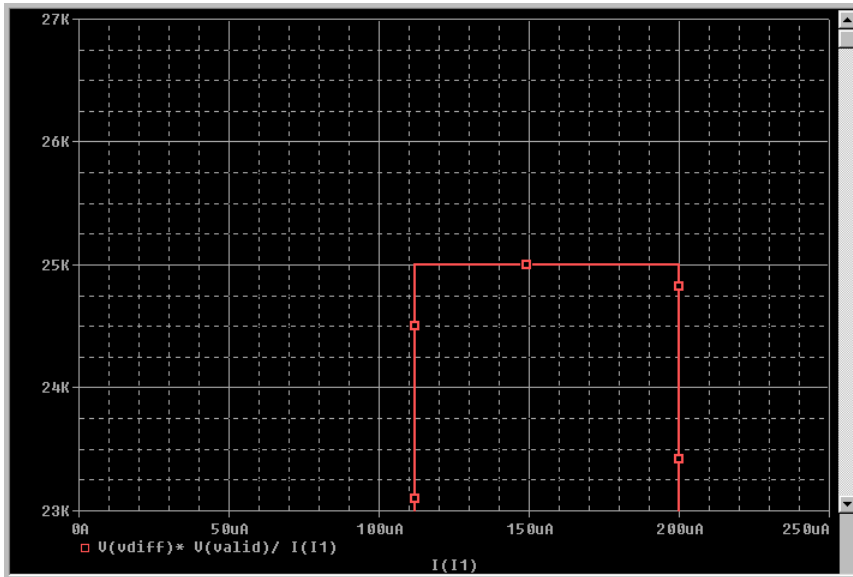
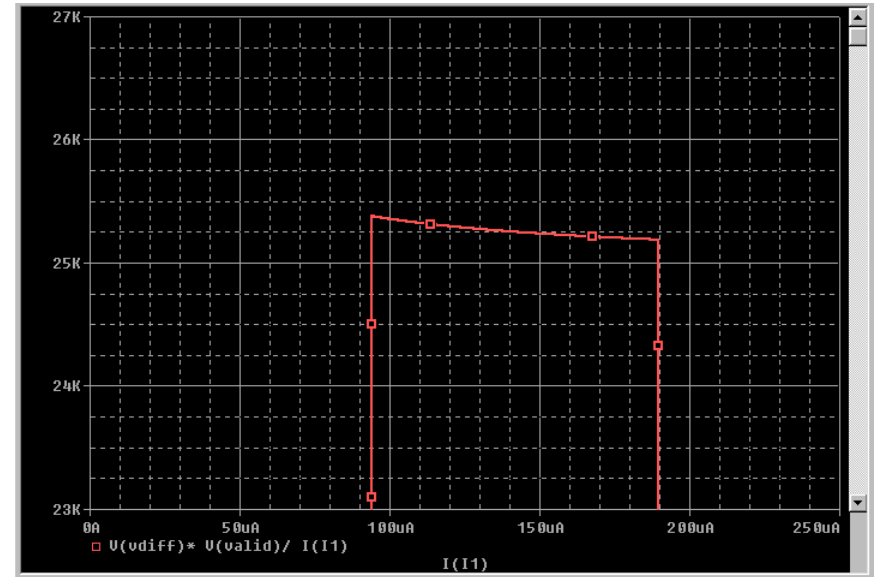


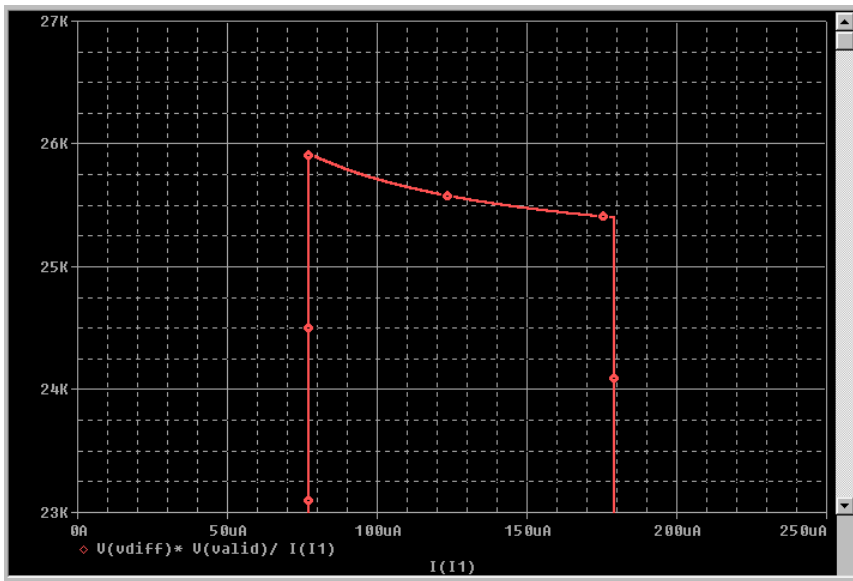
In this case, there are a total of 4 series 1N4003 diodes
 The ratio of vdiff to I1 is the resistive slope (V/I)
 The circuits at the right compute the valid range:
 $2.8V < vprobe < 10V$, and $(vprobe2 - vprobe1) > 2V$



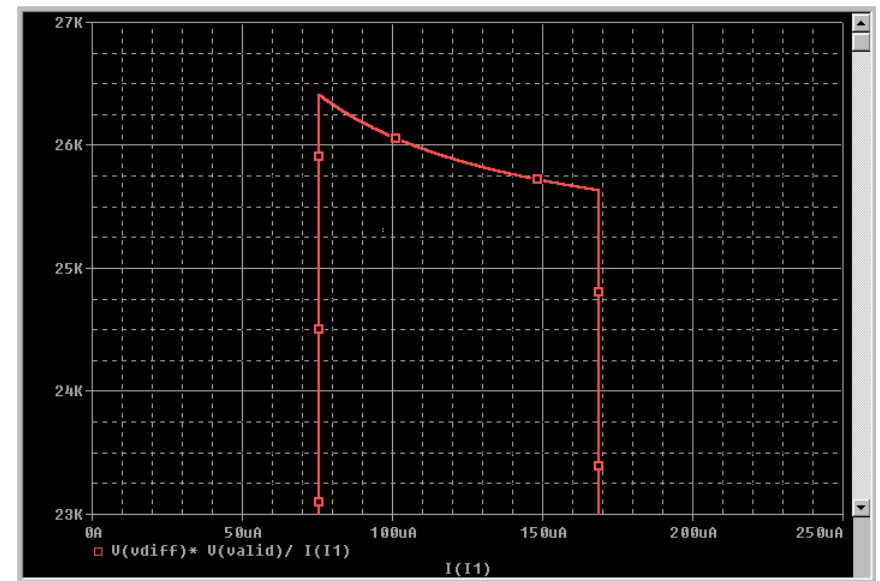
No series 1N4003 diodes



One series 1N4003 diodes



Two series 1N4003 diodes



Three series 1N4003 diodes

Note how the resistance becomes more non-linear with more series diodes