Exercise 370 *Run the Van-der-Pol oscillator several times with various input values. Observe the change in shape.*

Change the code for the Van-der-Pol oscillator:

- *Add a green marker at the begining of the trajectory*

- *Add a red marker at the end of the trajectory*

- *Plot an approximation of the "limit cycle" in black*

- *(Bonus) find out what the period of the limit cycle is, modify the function so that it returns this value, write an additional function or script that calls* VDPDemo *for many values of* mu *and plots the dependence of the period on* mu

(Hint 1: Read the helpfile for plot *carefully to understand how to change the defaults) (Hint 2: Remember that to plot several plots on the same figure without erasing the previous figure you need to issue a* hold on *command.)*

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Fall 2011