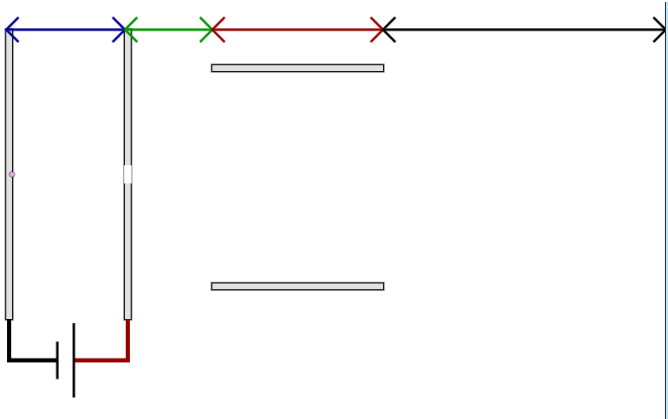


Electron Deflected by Capacitor

Step 1: On the picture below, fill in all the values given to you by the program



Step 2: Start by doing all the calculations necessary to find the speed of the electron as it emerges from the hole in the capacitor

Step 3: Show the calculations needed to find the time it takes the electron to pass through each of the four regions of the CRT

Step 4: Show all the calculations needed to find the deflection of the electron in the deflecting capacitor

Step 5: Calculate the total speed and deflection when the electron hits the screen on the far right of the CRT. Enter your answers into the program to make sure you have done everything correctly