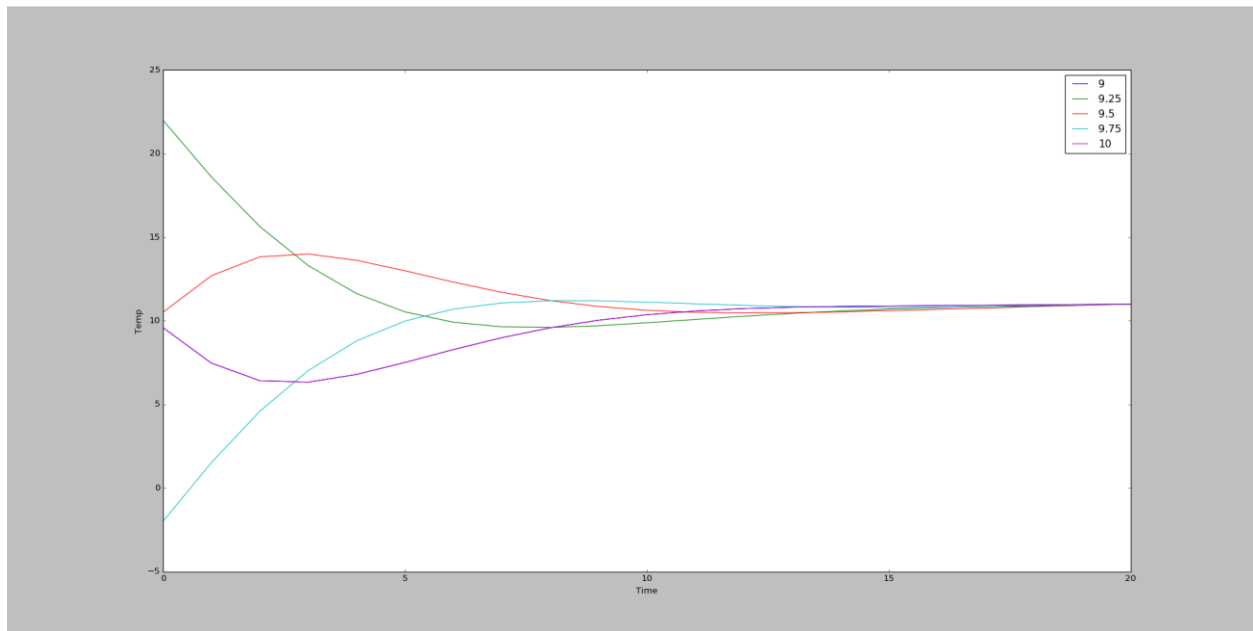Problem 2:

The legend shows the different times of years, the 9 through 10 in quarter intervals indicates the temperatures during the different seasons of the 9th year, while the 10 year is the average.