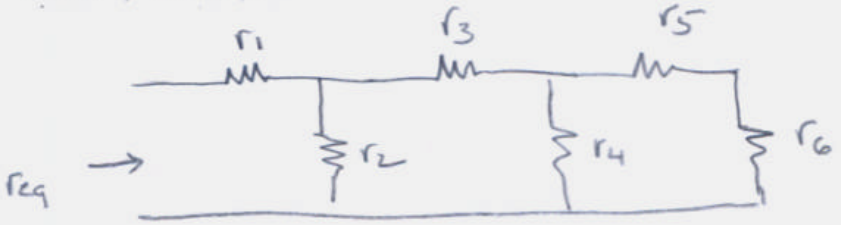
C Language Applications - Assignment #1, Due Mon, Aug 31, '09

#1. Develop a simple program to print the message "" to the terminal the number of times specified by the user. Use printf and scanf.

#2. Develop a program which prompts the user for r1, r2, r3, r4, r5 and r6 (all floats) as shown. The program will then calculate the r_eq. Display the results to the terminal. Fool with the float width descriptors so you a good handle on what they do. (For example "%3.2f", %5.5f).



#3. Prompt the user for a principle (e.g., 1000.00), a periodic interest rate (0.054) and the number of periods (e.g., 11). Calculate the amount of money at the end of the term. Do not use the math function "pow". Rather, use a loop.

#4. Develop a program which prompts the user for a number and then calculates the sum of all even numbers up to and including this number.

#5. The 0th and 1st Fibonocci numbers are 1 and 1. Each subsequent Fib number is the sum of the previous two. For example;

0	1	2	3	4	5	6	7	8	9
1	1	2	3	5	8	13	21	34	55

Develop a program to calculate and display the nth Fib number. For example, the 9th Fib number is 55.

#6. Develop a program that prompts the user for a two-digit number and then prints the English word for the number.

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Enter a two-digit number:  45
You entered the number forty-five.
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Note that 11 through 19 and 20, 30, 40, etc require special treatment.