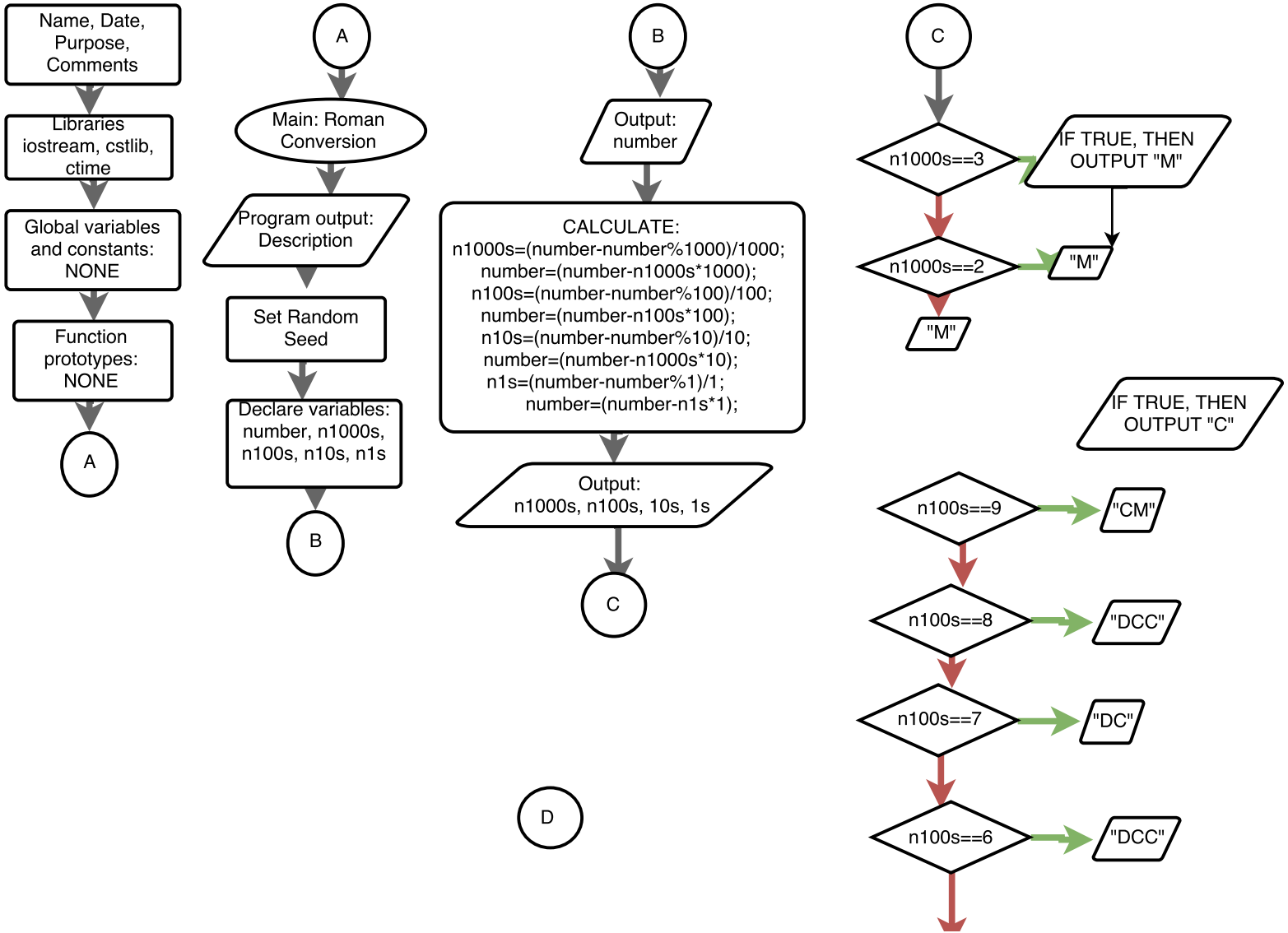
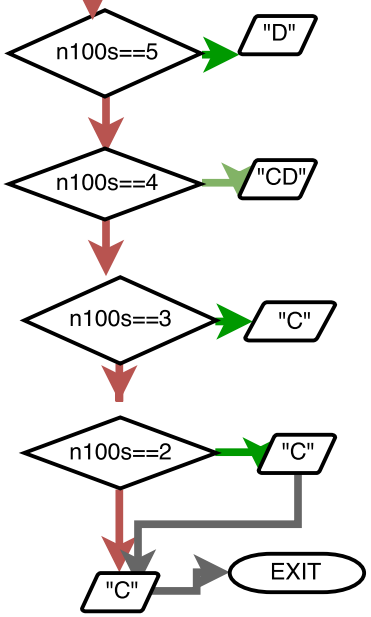
Savitch 9thEd Chap 3, Prob 3: Roman Numerals

Input a number between 1000 - 3000, to indicate a year in four digits, but output in roman numerals
so example 1956 = MCMLVI, and 2447 = MMCDXLVII, and 2999 = MMCMXCIX
So how would we proceed to program this. We would need to break things up into thousand, hundreds, tens, and ones.

so what is x%1000? , for example 2999%1000 = 999. Wouldn't (2999 - 2999%1000)/1000 = 2? That's how many thousands there are. We'd call this variable nThous
How do we get hundreds? Same deal. (999 - 999%/100)/100 = 9. That's how many hundreds there are.
And tens: (99 - 99%10)/10 = 9. That's how many tens there are.
And ones: (9 - 9%1)/1= 9. That's how many ones there are. There!

So first we're going to have a program that'll strip off the digits. Then we'll have a program that counts the thousands, the hundreds, the tens, and the ones... so four switch statements.




n100s==5
"D"
n100s==4
"CD"
n100s==3
"C"
n100s==2
"C"
"C"
EXIT