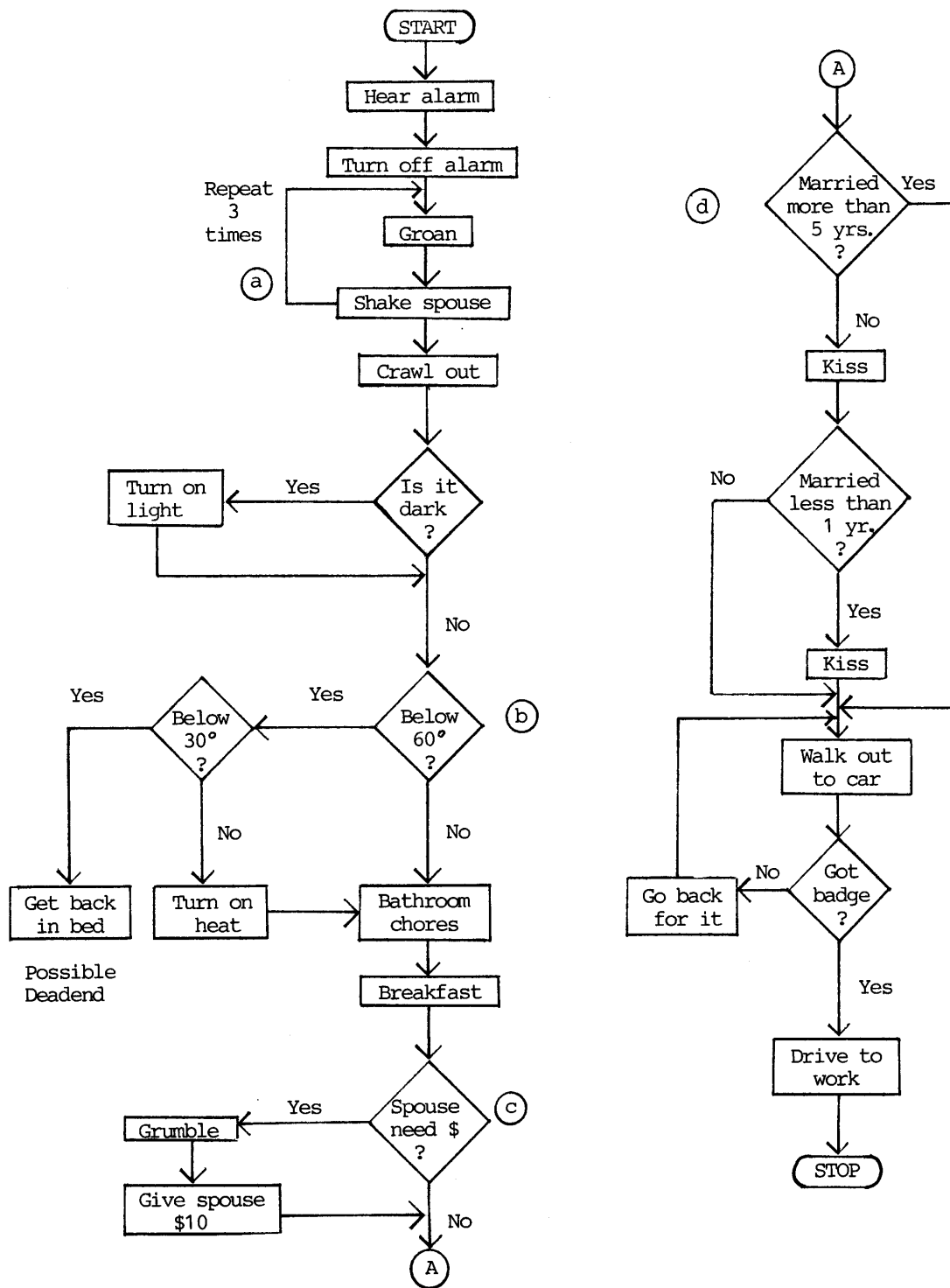


"How to Get to Work in the Morning" © CSEA, used with permission. DO NOT REPRODUCE.



“How to Get to Work in the Morning” © CSEA, used with permission. DO NOT REPRODUCE.

1-1. Look at point (a). Does this represent a loop? Why or why not?

1-2. How many loops do you find in the chart? Do all the decision boxes in the chart produce loops? How can you tell?

1-3. What is the first decision?

1-4. If "Yes," what do you do?

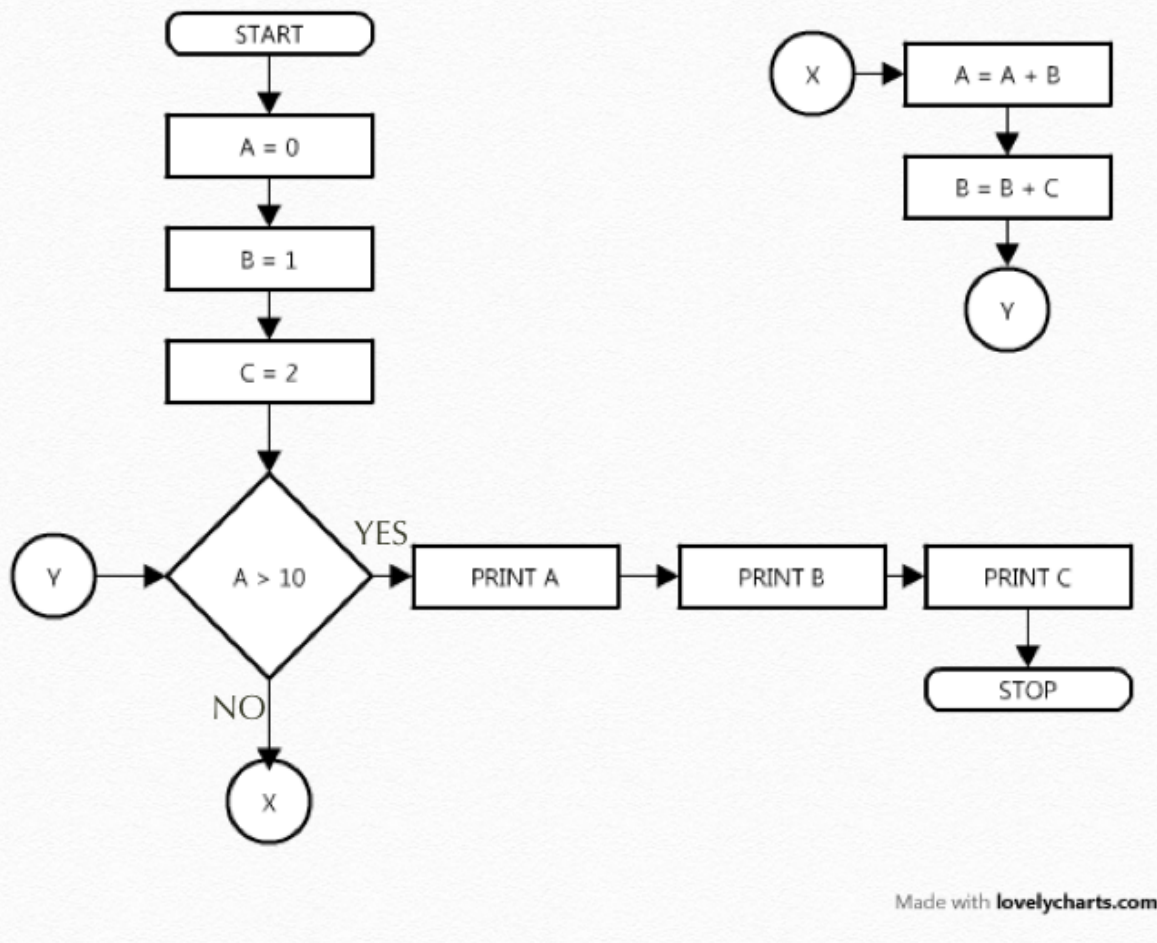
1-5. Look at the box that contains (b). Could that box read "How cold?" Why or why not?

1-6. Which step comes next if the answer at point (c) is "No"?

1-7. If the answer to the step at point (d) is "Yes," what happens?

1-8. How many times does someone who is married more than 5 years get kissed?

1-9. How many times does a newly-wed get kissed?



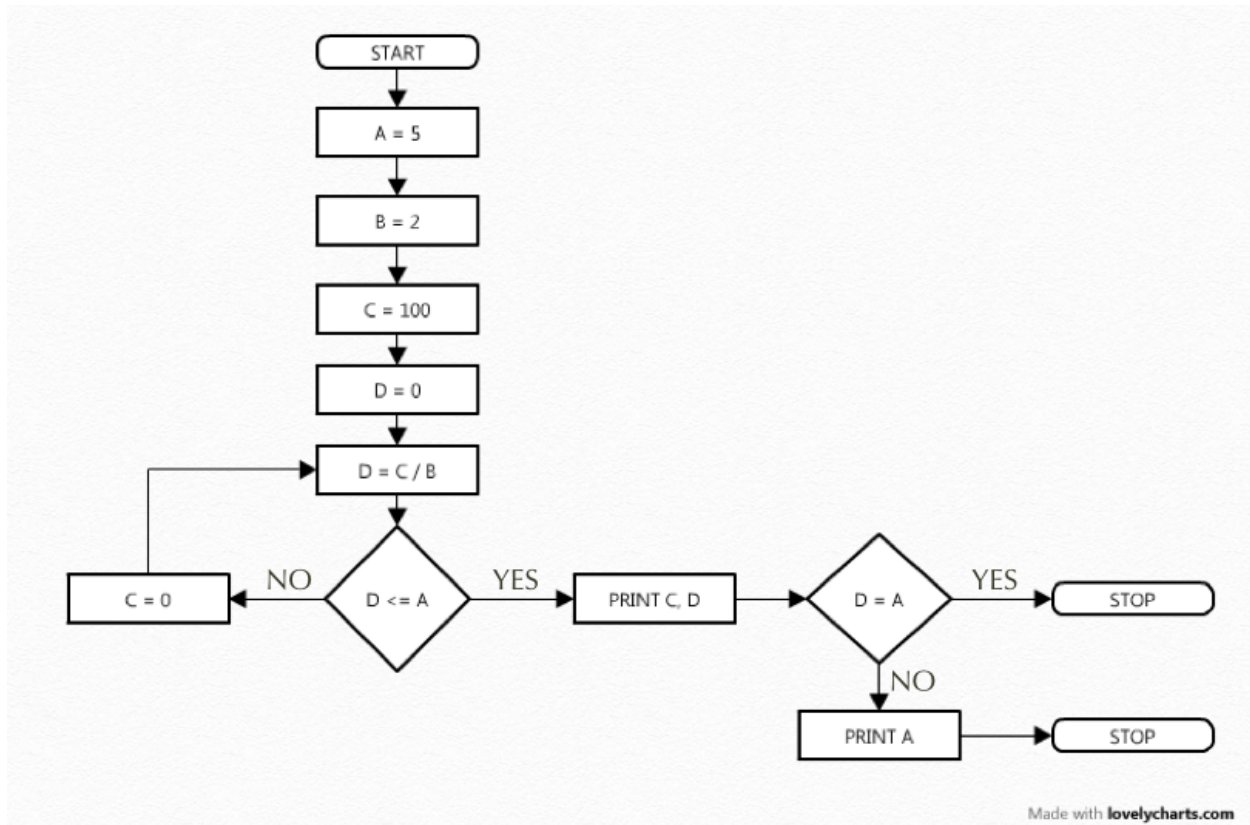
2-1. What are the values of A, B, and C at the start of the flow?

2-2. What are the values of A, B, and C at the end of the flow?

2-3. How many times is the decision point evaluated?

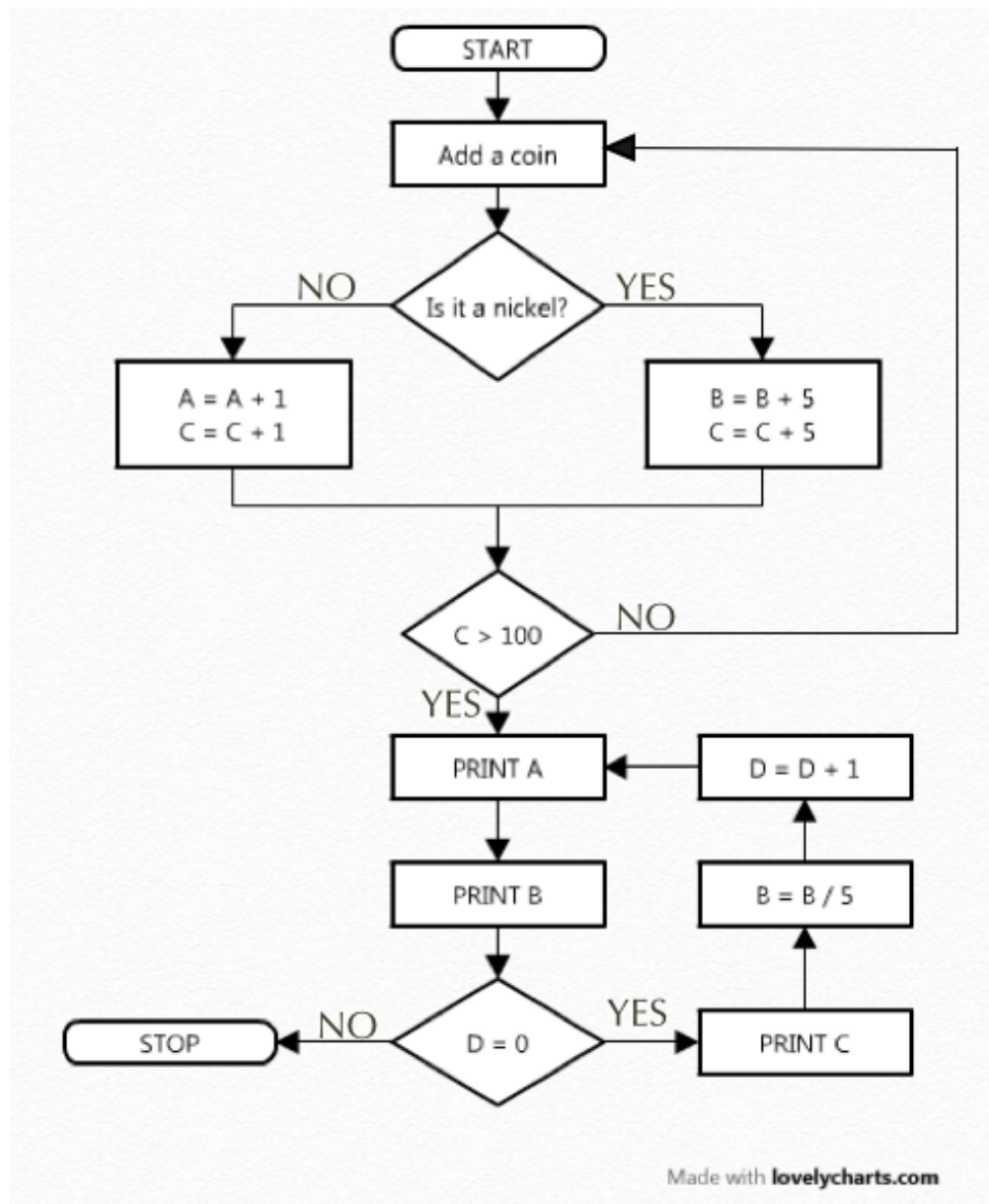
2-4. What, if any, is the output of this flow?

Instructions: When dividing, any remainders should be discarded. No rounding is permitted.



- 3-1. How many times does C get divided by B?
- 3-2. What is the value of D at the end of the flow?
- 3-3. Do we print the value of A at any point?
- 3-4. What is the value of C at the end of the flow?

Instructions: The “Add a coin” procedure assumes that the coin being added is either a nickel or a penny. All other coins are invalid input for this procedure and should be discarded.



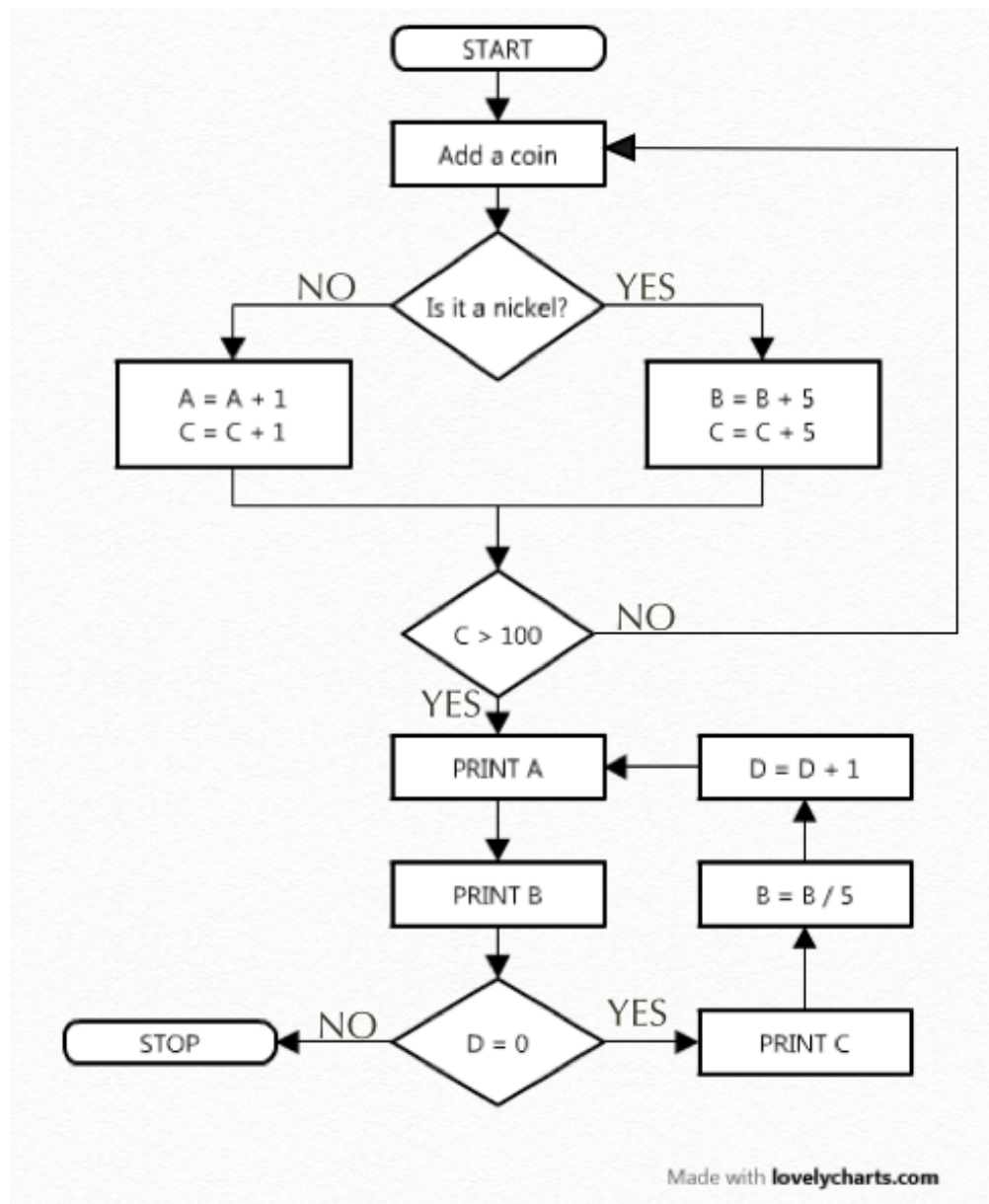
4-1. When PRINT A is first executed, what does it tell us? What does “A” mean?

number (count) of pennies collected
 amount of money collected in pennies
 total amount of money collected

number (count) of nickels collected
 amount of money collected in nickels

4-2. When PRINT B is executed for the last time, what does it tell us? What does “B” mean?

Instructions: The “Add a coin” procedure assumes that the coin being added is either a nickel or a penny. All other coins are invalid input for this procedure and should be discarded.



- 4-3. There are 27 total coins processed.
The last 3 coins are a nickel, a penny, and a nickel.
What does C equal at the end of the flow?