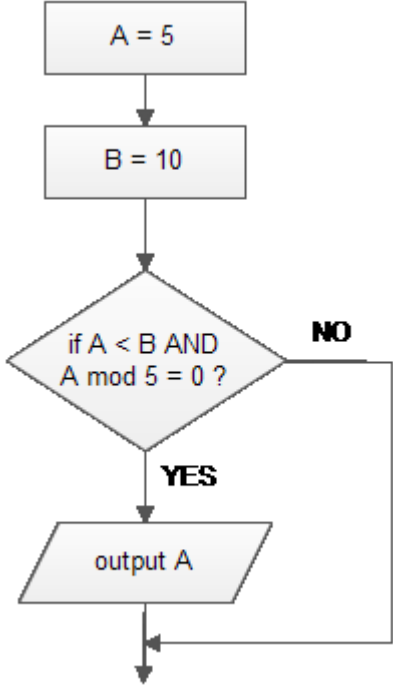
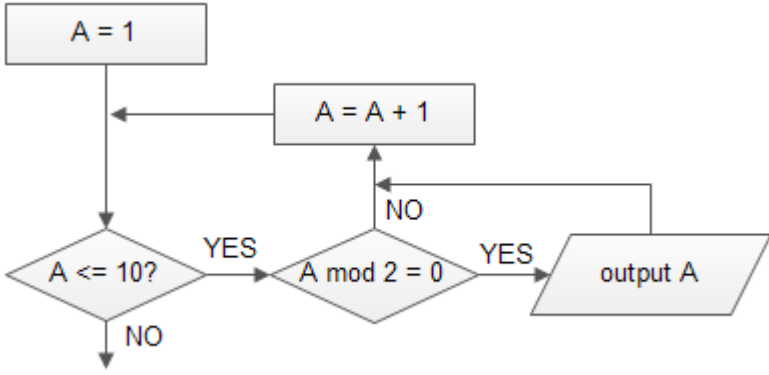


Pseudocode

Part A: Convert the following pseudocode into Java source code.

	pseudocode	Java
1	<pre>A = 5 B = 10 if A < B then output A, " is less than ", B else output A, " is greater than ", B end if</pre>	
2	<pre>COUNT = 0 loop while COUNT < 20 output COUNT COUNT = COUNT + 2 end loop</pre>	
3	<pre>COUNT = 0 SUM = 0 loop until COUNT = 10 SUM = SUM + COUNT COUNT = COUNT + 1 end loop</pre>	

Part B: Convert the following flowcharts into pseudocode.

	flowchart	pseudocode
4	 <pre> graph TD A["A = 5"] --> B["B = 10"] B --> D{"if A < B AND A mod 5 = 0?"} D -- YES --> E[/output A/] D -- NO --> Exit(()) style Exit fill:none,stroke:none Exit --> End(()) style End fill:none,stroke:none </pre>	
5	 <pre> graph TD A["A = 1"] --> D1{"A <= 10?"} D1 -- NO --> Exit1(()) style Exit1 fill:none,stroke:none D1 -- YES --> D2{"A mod 2 = 0?"} D2 -- YES --> E[/output A/] D2 -- NO --> F["A = A + 1"] F --> D1 </pre>	

Part C: Write pseudocode for the following problems.

6. Determine if two numbers are equal. If they are equal print "same" otherwise print "different".

7. A method returns true if a given string contains the letter "a" otherwise it returns false.