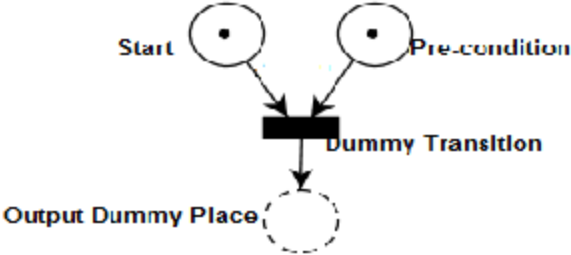
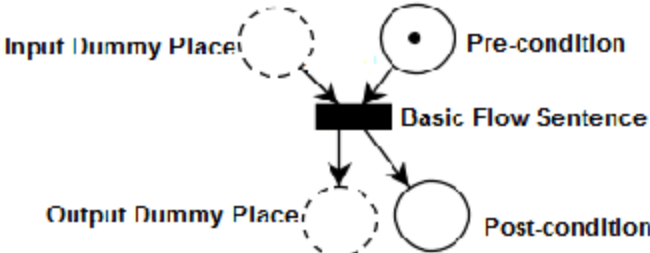
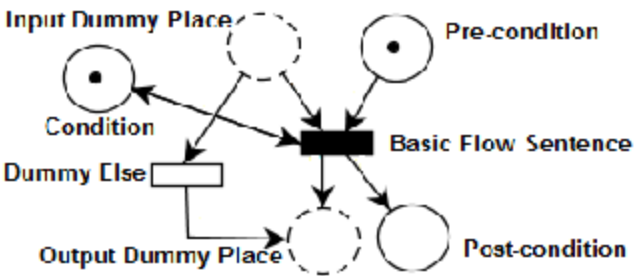
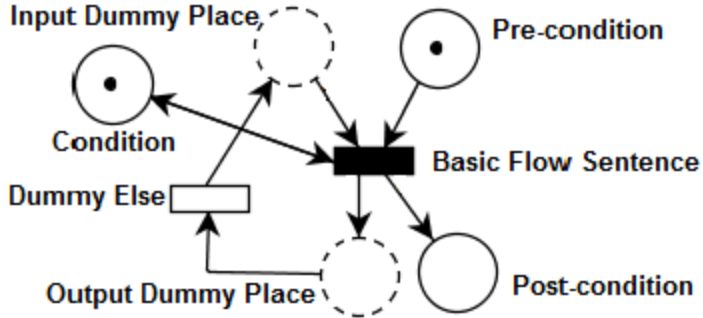
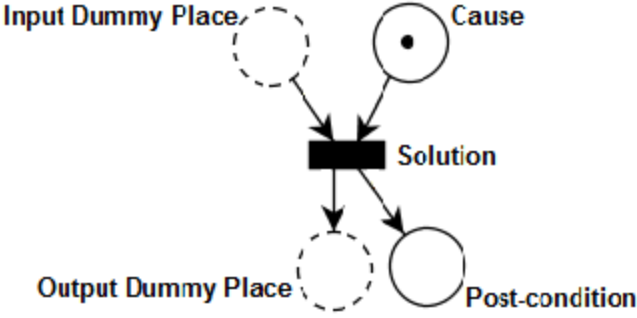
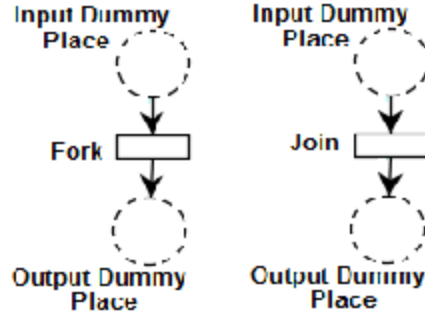


RUCM Element	Petri-Net Element
<p><b>Initial state</b></p> <p>Title, Resource, Initial Context: -{Pre-condition}</p>	 <p>The diagram shows two solid circles at the top, each containing a single black dot. The left circle is labeled 'Start' and the right circle is labeled 'Pre-condition'. Arrows from both circles point to a solid black rectangle in the center labeled 'Dummy Transition'. An arrow from the 'Dummy Transition' points down to a dashed circle labeled 'Output Dummy Place'.</p>
<p><b>Simple Basic Flow</b></p> <p>&lt;Id&gt;&lt;Basic Flow Sentence&gt;</p> <p>-{Pre-condition}</p> <p>-{Post-condition}</p>	 <p>The diagram shows a dashed circle on the left labeled 'Input Dummy Place' and a solid circle on the top right labeled 'Pre-condition'. Arrows from both circles point to a solid black rectangle in the center labeled 'Basic Flow Sentence'. From the 'Basic Flow Sentence', two arrows point down to two circles: a dashed circle on the left labeled 'Output Dummy Place' and a solid circle on the right labeled 'Post-condition'.</p>

RUCM Element	Petri-Net Element
<p><b>Conditional Basic Flow</b>  &lt;Id&gt; <b>IF</b>  {&lt;Condition&gt;  <b>THEN</b>  &lt;Basic Flow Sentence&gt;  - {Pre-condition}  - {Post-condition}</p>	 <p>The diagram illustrates the Petri-Net structure for a conditional basic flow. It features a central black rectangle labeled 'Basic Flow Sentence'. To its top-left is a solid circle with a dot labeled 'Condition'. To its top-right is a solid circle with a dot labeled 'Pre-condition'. To its bottom-left is a solid rectangle labeled 'Dummy Else'. To its bottom-right is a solid circle labeled 'Post-condition'. There are also two dashed circles: 'Input Dummy Place' at the top-left and 'Output Dummy Place' at the bottom-left. Arrows show the flow: from 'Pre-condition' to 'Basic Flow Sentence'; from 'Condition' to 'Basic Flow Sentence' and from 'Basic Flow Sentence' to 'Condition'; from 'Basic Flow Sentence' to 'Post-condition'; from 'Basic Flow Sentence' to 'Output Dummy Place'; from 'Output Dummy Place' to 'Dummy Else'; and from 'Dummy Else' to 'Input Dummy Place'.</p>
<p><b>Loop Basic Flow</b>  &lt;Id&gt; <b>DO</b>  {&lt;Condition&gt;  <b>WHILE</b>  &lt;Basic Flow Sentence&gt;  - {Pre-condition}  - {Post-condition}</p>	 <p>The diagram illustrates the Petri-Net structure for a loop basic flow. It features a central black rectangle labeled 'Basic Flow Sentence'. To its top-left is a solid circle with a dot labeled 'Condition'. To its top-right is a solid circle with a dot labeled 'Pre-condition'. To its bottom-left is a solid rectangle labeled 'Dummy Else'. To its bottom-right is a solid circle labeled 'Post-condition'. There are also two dashed circles: 'Input Dummy Place' at the top-left and 'Output Dummy Place' at the bottom-left. Arrows show the flow: from 'Pre-condition' to 'Basic Flow Sentence'; from 'Condition' to 'Basic Flow Sentence' and from 'Basic Flow Sentence' to 'Condition'; from 'Basic Flow Sentence' to 'Post-condition'; from 'Basic Flow Sentence' to 'Output Dummy Place'; from 'Output Dummy Place' to 'Dummy Else'; and from 'Dummy Else' to 'Input Dummy Place'. Additionally, an arrow points from 'Input Dummy Place' to 'Basic Flow Sentence', completing the loop.</p>

RUCM Element	Petri-Net Element
<p><b>Specific Alternative Flow</b>  &lt;Id&gt;IF  {&lt;Cause&gt;  <b>THEN</b>  &lt;Solution&gt;  -{Post-condition}</p>	
<p><b>Concurrency Construct</b>  #{Basic Flow Series}#</p>	
<p><b>Final State</b>  Context:  -{Post-condition}</p>	