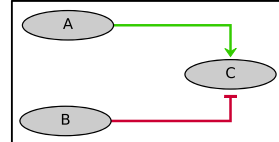


```

<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<sbml xmlns="http://www.sbml.org/sbml/level3/version1/core" qual:required="true" level="3"
      xmlns:qual="http://www.sbml.org/sbml/level3/version1/qual/version1" version="1">
<model id="example">
  <listOfCompartments>
    <compartment id="comp1" constant="true"/>
  </listOfCompartments>
  <qual:listOfQualitativeSpecies xmlns:qual="http://www.sbml.org/sbml/level3/version1/qual/version1">
    <qual:qualitativeSpecies qual:compartment="comp1" qual:maxLevel="1" qual:id="A"/>
    <qual:qualitativeSpecies qual:compartment="comp1" qual:maxLevel="1" qual:id="B"/>
    <qual:qualitativeSpecies qual:compartment="comp1" qual:maxLevel="1" qual:id="C"/>
  </qual:listOfQualitativeSpecies>
  <qual:listOfTransitions xmlns:qual="http://www.sbml.org/sbml/level3/version1/qual/version1">
    <qual:transition qual:id="tr_C">
      <qual:listOfInputs>
        <qual:input qual:transitionEffect="none" qual:sign="positive" qual:qualitativeSpecies="A" qual:id="tr_C_in_0"/>
        <qual:input qual:transitionEffect="none" qual:sign="negative" qual:qualitativeSpecies="B" qual:id="tr_C_in_1"/>
      </qual:listOfInputs>
      <qual:listOfOutputs>
        <qual:output qual:transitionEffect="assignmentLevel" qual:qualitativeSpecies="C" qual:id="tr_C_out"/>
      </qual:listOfOutputs>
      <qual:listOfFunctionTerms>
        <qual:defaultTerm qual:resultLevel="0"/>
        <qual:functionTerm qual:resultLevel="1">
          <math xmlns="http://www.w3.org/1998/Math/MathML">
            <apply>
              <and/>
              <apply>
                <eq/>
                <ci> A </ci>
                <cn type="integer"> 1 </cn>
              </apply>
              <apply>
                <eq/>
                <ci> s_B </ci>
                <cn type="integer"> 0 </cn>
              </apply>
            </apply>
          </math>
        </qual:functionTerm>
      </qual:listOfFunctionTerms>
    </qual:transition>
  </qual:listOfTransitions>
</model>
</sbml>

```



3 qualitative species (A, B, C)

Transition tr_C

with two inputs (A, B)

and one output (C),
which is assigned a
value upon tr_C effect

C is set to 0 by default

C is set to 1 if the following
condition is fulfilled

A=1 AND B=0

The default and function
terms defining the value
assigned to C