```java
package csp.constraints;

import java.util.Arrays;
import java.util.List;

import TGGLanguage.csp.Variable;
import TGGLanguage.csp.impl.ConstraintImpl;

public class IndexToLevel extends ConstraintImpl
{

   private List<String> levels = Arrays.asList(new String[] { "beginner", "advanced",
"master" });

   @Override
   public void solve()
   {

      Variable var_index = getVariables().get(0);
      Variable var_level = getVariables().get(1);

      String bindingStates = getBindingStates();

      if (bindingStates.equals("BB"))
      {
         int index = convertIndex();
         String level = var_level.stringValue();
         setValid(levels.get(index).equals(level));
      } else if (bindingStates.equals("FB"))
      {
         String level = var_level.stringValue();
         int index = levels.indexOf(level);
         if (index == -1)
         {
            setValid(false);
         } else
         {
            var_index.setValue(index);
            var_index.setBound(true);
            setValid(true);
         }
      } else if (bindingStates.equals("BF"))
      {
         int index = convertIndex();
         if (index < 0 || index > 2)
         {
            setValid(false);
         } else
         {
            var_level.setValue(levels.get(index));
            var_level.setBound(true);
            setValid(true);
         }
      }
   }

   private int convertIndex()
   {
      return new Double(getVariables().get(0).stringValue()).intValue();
   }
}
```