



tATN - MIML

```
<definition start="userInstruction">... </definition>

<extern apiCommand="apiRotateObjByHand-On"/>

<wordtype function="defArticle">
  <word>the, that, this </word>
</wordtype>

<gesturetype function="rotating" type="prBHistory">
  <history name="hist-rotating"/>
  <field name="axis"/>
  <field name="degree"/>
</gesturetype>
```



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```
<requirement name="rotateObject" function="userInstruction">
  <frame>
    <slot name="object" type="singleslot"/>
    <slot name="degree" type="singleslot" default="30"/>
    <slot name="axis" type="singleslot" default="0 0 1"/>
    <slot name="rotcenter" type="singleslot" default="@object" />
  </frame>
  <description>
    <temporalrelation type="sequential">
      <speech>
        <function name="rotateAction"/>
      </speech>
      <requires>
        <function name="objectDescription"/>
        <fill-slot source="identifier" target="object"/>
      </requires>
    </temporalrelation>
  </description>
</requirement>
```



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```
<select>
  <choice>
    ...
  </choice>
  <choice>
    <temporalrelation type="overlap">
      <speech>
        <function name="modalAdverb"/>
      </speech>
      <gesture>
        <function name="rotating"/>
        <exec-on-start>
          <apiCommand name="rotateObjectByHand-On"/>
        </exec-on-start>
        <exec-on-end>
          <apiCommand name="rotateObjectByHand-Off"/>
        </exec-on-end>
      </gesture>
    </temporalrelation>
  </choice>
</select>
...
```