

## ДОДАТОК А

### Програмний код

```

@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix cco: <http://www.ontologyrepository.com/CommonCoreOntologies/> .
@prefix obo: <http://purl.obolibrary.org/obo/> .
@prefix owl: <http://www.w3.org/2002/07/owl#> .
@prefix xml: <http://www.w3.org/XML/1998/namespace> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix rr: <http://www.w3.org/ns/r2rml#> .
@prefix km-dev: <http://isi.edu/integration/karma/dev#> .

_:node1fcd3vmdx1 a km-dev:R2RMLMapping ;
    km-dev:sourceName "Master.csv" ;
    km-dev:modelPublicationTime "1634651471566"^^xsd:long ;
    km-dev:modelVersion "1.7" ;
    km-dev:hasModelLabel "Khrush.csv" ;
    km-dev:hasBaseURI "http://localhost:8080/source/" ;
    km-dev:hasWorksheetHistory """"[
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"Phoneme\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"newColumnName\",
      \"type\": \"other\",
      \"value\": \"phoneme_ID\"
    },
    {
      \"name\": \"transformationCode\",
      \"type\": \"other\",
      \"value\": \"name = getValue(\\\"\\\"Phoneme\\\"\\\".replace('/', '_').replace(' ','-')
).replace(',').replace(',')\\\"\\\"\\nnspace = 'http://www.ontologyrepository.com/CommonCoreOntologies/'\\nreturn
nspace+'EnglishPhoneme'+name+'ICE\"
    },
    {
      \"name\": \"errorDefaultValue\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"isJSONOutput\",
      \"type\": \"other\",
      \"value\": \"false\"
    }
  ],
}

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    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Phoneme\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phoneme_ID\\\"}]}]\"
    }
  ],
  \"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [\"columnName\": \"Phoneme\"]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"newColumnName\",
      \"type\": \"other\",
      \"value\": \"phone_ID\"
    },
    {
      \"name\": \"transformationCode\",
      \"type\": \"other\",
      \"value\": \"name = getValue(\\\"Phoneme\\\").replace('/', '_').replace(' ','-')
        .replace(',').replace(',')\\n\\nsp = 'http://www.ontologyrepository.com/CommonCoreOntologies/'\\nreturn
        \\nsp+'EnglishPhone'+name+'Sound'\"
    },
    {
      \"name\": \"errorDefaultValue\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"isJSONOutput\",
      \"type\": \"other\",
      \"value\": \"false\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Phoneme\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phone_ID\\\"}]}]\"
    }
  ]
}

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    }
  ],
  \"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
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      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"Graphemes: G1\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"newColumnName\",
      \"type\": \"other\",
      \"value\": \"g1-uri\"
    },
    {
      \"name\": \"transformationCode\",
      \"type\": \"other\",
      \"value\": \"g_name = getValue(\\\"Graphemes: G1\\\")\\nnp_name =
getValue(\\\"Phoneme\\\").replace(',','_').replace('-',').replace(',','_')\\nnsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\nreturn nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
    },
    {
      \"name\": \"errorDefaultValue\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"isJSONOutput\",
      \"type\": \"other\",
      \"value\": \"false\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\":
\"[{\\\"value\\\":[\\\"columnName\\\":\\\"Phoneme\\\"]}, {\\\"value\\\":[\\\"columnName\\\":\\\"Graphemes:
G1\\\"]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[\\\"columnName\\\":\\\"g1-uri\\\"]}]\"
    }
  ],
  \"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",

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\model\: \"new\",
\inputParameters\: [
  {
    \name\: \"hNodeId\",
    \type\: \"hNodeId\",
    \value\: [{\columnName\: \"G2\"}]
  },
  {
    \name\: \"worksheetId\",
    \type\: \"worksheetId\",
    \value\: \"W\"
  },
  {
    \name\: \"selectionName\",
    \type\: \"other\",
    \value\: \"DEFAULT_TEST\"
  },
  {
    \name\: \"newColumnName\",
    \type\: \"other\",
    \value\: \"gr-uri\"
  },
  {
    \name\: \"transformationCode\",
    \type\: \"other\",
    \value\: \"g_name = getValue(\\\"G2\\\")\nif g_name == \\\"\\\":\n return\nelse:\n p_name =
getValue(\\\"Phoneme\\\".replace('/', '_').replace('-', '_').replace(',', '_'))\n nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\n return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
  },
  {
    \name\: \"errorDefaultValue\",
    \type\: \"other\",
    \value\: \"\"
  },
  {
    \name\: \"isJSONOutput\",
    \type\: \"other\",
    \value\: \"false\"
  },
  {
    \name\: \"inputColumns\",
    \type\: \"hNodeIdList\",
    \value\: :
\"[{\columnName\\\":[{\columnName\\\":\\\"Phoneme\\\"}],{\columnName\\\":\\\"G2\\\"}}]\"
  },
  {
    \name\: \"outputColumns\",
    \type\: \"hNodeIdList\",
    \value\: :\"[{\columnName\\\":[{\columnName\\\":\\\"gr-uri\\\"}]}]\"
  }
],
\tags\: [\"Transformation\"]
},
{
  \commandName\: \"SubmitPythonTransformationCommand\",
  \model\: \"new\",
  \inputParameters\: [
    {
      \name\: \"hNodeId\",
      \type\: \"hNodeId\",
      \value\: [{\columnName\: \"G3\"}]
    },

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{
  \"name\": \"worksheetId\",
  \"type\": \"worksheetId\",
  \"value\": \"W\"
},
{
  \"name\": \"selectionName\",
  \"type\": \"other\",
  \"value\": \"DEFAULT_TEST\"
},
{
  \"name\": \"newColumnName\",
  \"type\": \"other\",
  \"value\": \"g3-uri\"
},
{
  \"name\": \"transformationCode\",
  \"type\": \"other\",
  \"value\": \"g_name = getValue(\\\"G3\\\")\\nif g_name == \\\"\\\":\\n  return\\nelse:\\n  p_name =
getValue(\\\"Phoneme\\\").replace('/', '_').replace(' ','-').replace(',').replace(',')\\n  nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\n  return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
},
{
  \"name\": \"errorDefaultValue\",
  \"type\": \"other\",
  \"value\": \"\"
},
{
  \"name\": \"isJSONOutput\",
  \"type\": \"other\",
  \"value\": \"false\"
},
{
  \"name\": \"inputColumns\",
  \"type\": \"hNodeIdList\",
  \"value\":
\"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Phoneme\\\"}], {\\\"value\\\": [{\\\"columnName\\\": \\\"G3\\\"}]}]\"
},
{
  \"name\": \"outputColumns\",
  \"type\": \"hNodeIdList\",
  \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"g3-uri\\\"}]}]\"
}
],
\"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"G4\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    }
  ],
  {
    \"name\": \"selectionName\",

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    \"type\": \"other\",
    \"value\": \"DEFAULT_TEST\"
  },
  {
    \"name\": \"newColumnName\",
    \"type\": \"other\",
    \"value\": \"g4-uri\"
  },
  {
    \"name\": \"transformationCode\",
    \"type\": \"other\",
    \"value\": \"g_name = getValue(\\\"G4\\\")\\nif g_name == \\\"\\\":\\n  return\\nelse:\\n  p_name =
getValue(\\\"Phoneme\\\".replace('/', '_').replace('-', '_').replace(',', '_').replace(' ', '_')\\n  nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\n  return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
  },
  {
    \"name\": \"errorDefaultValue\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"isJSONOutput\",
    \"type\": \"other\",
    \"value\": \"false\"
  },
  {
    \"name\": \"inputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\":
'[{\\\"value\\\":{\\\"columnName\\\":\\\"Phoneme\\\"}}, {\\\"value\\\":{\\\"columnName\\\":\\\"G4\\\"}}]'
  },
  {
    \"name\": \"outputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\":{\\\"columnName\\\":\\\"g4-uri\\\"}}]\"
  }
],
\"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
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      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [\"columnName\": \"G5\"]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"newColumnName\",
      \"type\": \"other\",
      \"value\": \"g5-uri\"
    }
  ]
}

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    },
    {
      \"name\": \"transformationCode\",
      \"type\": \"other\",
      \"value\": \"g_name = getValue(\\\"G5\\\")\\nif g_name == \\\"\\\":\\n  return\\nelse:\\n  p_name =
getValue(\\\"Phoneme\\\").replace('/','_').replace(' ','-').replace(',').replace(',')\\n  nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\n  return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
    },
    {
      \"name\": \"errorDefaultValue\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"isJSONOutput\",
      \"type\": \"other\",
      \"value\": \"false\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\":
\"[{\\\"value\\\":[{\\\"columnName\\\":\\\"Phoneme\\\"}],{\\\"value\\\":[{\\\"columnName\\\":\\\"G5\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g5-uri\\\"}]}]\"
    }
  ],
  \"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"SubmitPythonTransformationCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"G6\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"newColumnName\",
      \"type\": \"other\",
      \"value\": \"g6-uri\"
    },
    {
      \"name\": \"transformationCode\",
      \"type\": \"other\",
      \"value\": \"g_name = getValue(\\\"G6\\\")\\nif g_name == \\\"\\\":\\n  return\\nelse:\\n  p_name =
getValue(\\\"Phoneme\\\").replace('/','_').replace(' ','-').replace(',').replace(',')\\n  nsp =

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'http://www.ontologyrepository.com/CommonCoreOntologies/'\n return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA'"
    },
    {
        \"name\": \"errorDefaultValue\",
        \"type\": \"other\",
        \"value\": \"\"
    },
    {
        \"name\": \"isJSONOutput\",
        \"type\": \"other\",
        \"value\": \"false\"
    },
    {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\":
'[{\"value\": [{\"columnName\": \"Phoneme\"}], {\"value\": [{\"columnName\": \"G6\"}]}]'
    },
    {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\"value\": [{\"columnName\": \"g6-uri\"}]}]\"
    }
],
\"tags\": [\"Transformation\"]
},
{
    \"commandName\": \"SubmitPythonTransformationCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
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            \"name\": \"hNodeId\",
            \"type\": \"hNodeId\",
            \"value\": [{\"columnName\": \"G7\"}]
        },
        {
            \"name\": \"worksheetId\",
            \"type\": \"worksheetId\",
            \"value\": \"W\"
        },
        {
            \"name\": \"selectionName\",
            \"type\": \"other\",
            \"value\": \"DEFAULT_TEST\"
        },
        {
            \"name\": \"newColumnName\",
            \"type\": \"other\",
            \"value\": \"g7-uri\"
        },
        {
            \"name\": \"transformationCode\",
            \"type\": \"other\",
            \"value\": \"g_name = getValue(\"G7\")\nif g_name == \"\":\n return\nelse:\n p_name =
getValue(\"Phoneme\").replace(',').replace('-',').replace(',').replace(',')\n nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\n return nsp+'Phoneme'+p_name+'Grapheme-
'+g_name+'-IBA\"
        },
        {
            \"name\": \"errorDefaultValue\",
            \"type\": \"other\",
            \"value\": \"\"
        }
    ]
}

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    },
    {
      \name\": \isJSONOutput\",
      \type\": \other\",
      \value\": \false\"
    },
    {
      \name\": \inputColumns\",
      \type\": \hNodeIdList\",
      \value\":
\"[{\\\"value\\\":[{\\\"columnName\\\":\\\"Phoneme\\\"}],{\\\"value\\\":[{\\\"columnName\\\":\\\"G7\\\"}]}]\"
    },
    {
      \name\": \outputColumns\",
      \type\": \hNodeIdList\",
      \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g7-uri\\\"}]}]\"
    }
  ],
  \tags\": [\Transformation\"]
},
{
  \commandName\": \SubmitPythonTransformationCommand\",
  \model\": \new\",
  \inputParameters\": [
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      \type\": \hNodeId\",
      \value\": [{\columnName\": \Phoneme}]
    },
    {
      \name\": \worksheetId\",
      \type\": \worksheetId\",
      \value\": \W\"
    },
    {
      \name\": \selectionName\",
      \type\": \other\",
      \value\": \DEFAULT_TEST\"
    },
    {
      \name\": \newColumnName\",
      \type\": \other\",
      \value\": \lang-uri\"
    },
    {
      \name\": \transformationCode\",
      \type\": \other\",
      \value\": \return 'http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguage\"
    },
    {
      \name\": \errorDefaultValue\",
      \type\": \other\",
      \value\": \\"
    },
    {
      \name\": \isJSONOutput\",
      \type\": \other\",
      \value\": \false\"
    },
    {
      \name\": \inputColumns\",
      \type\": \hNodeIdList\",
      \value\": \[\]\"
    }
  ]
}

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    },
    {
      \name\": \outputColumns\,
      \type\": \hNodeIdList\,
      \value\": \[{\value\":[{\columnName\":\lang-uri\}]]\}
    }
  ],
  \tags\": [\Transformation\]
},
{
  \commandName\": \SubmitPythonTransformationCommand\,
  \model\": \new\,
  \inputParameters\": [
    {
      \name\": \hNodeId\,
      \type\": \hNodeId\,
      \value\": [{\columnName\": \Allophones: A1\}]
    },
    {
      \name\": \worksheetId\,
      \type\": \worksheetId\,
      \value\": \W\
    },
    {
      \name\": \selectionName\,
      \type\": \other\,
      \value\": \DEFAULT_TEST\
    },
    {
      \name\": \newColumnName\,
      \type\": \other\,
      \value\": \a1-uri\
    },
    {
      \name\": \transformationCode\,
      \type\": \other\,
      \value\": \a_name = getValue(\Allophones: A1\)\nif a_name == \lang-uri\:\n  return\nnp_name =
getValue(\Phoneme\).replace('/', '_').replace('-', '_').replace(' ', '_')\n\nsp =
http://www.ontologyrepository.com/CommonCoreOntologies/\nreturn nsp+'Phoneme'+p_name+'Allophone-
'+a_name+'-ICE\
    },
    {
      \name\": \errorDefaultValue\,
      \type\": \other\,
      \value\": \
    },
    {
      \name\": \isJSONOutput\,
      \type\": \other\,
      \value\": \false\
    },
    {
      \name\": \inputColumns\,
      \type\": \hNodeIdList\,
      \value\": \[{\value\":[{\columnName\":\Allophones:
A1\}]],{\value\":[{\columnName\":\Phoneme\}]]\}
    },
    {
      \name\": \outputColumns\,
      \type\": \hNodeIdList\,
      \value\": \[{\value\":[{\columnName\":\a1-uri\}]]\}
    }
  ],
}

```

```

    \"tags\": [\"Transformation\"]
  },
  {
    \"commandName\": \"SubmitPythonTransformationCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
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        \"name\": \"hNodeId\",
        \"type\": \"hNodeId\",
        \"value\": [{\"columnName\": \"A2\"}]
      },
      {
        \"name\": \"worksheetId\",
        \"type\": \"worksheetId\",
        \"value\": \"W\"
      },
      {
        \"name\": \"selectionName\",
        \"type\": \"other\",
        \"value\": \"DEFAULT_TEST\"
      },
      {
        \"name\": \"newColumnName\",
        \"type\": \"other\",
        \"value\": \"a2-uri\"
      },
      {
        \"name\": \"transformationCode\",
        \"type\": \"other\",
        \"value\": \"a_name = getValue(\\\"A2\\\")\\nif a_name == \\\"\\\":\\n  return\\n  p_name =
getValue(\\\"Phoneme\\\".replace('/', '_').replace(' ','-').replace(',','_'))\\n\nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\nreturn nsp+'Phoneme'+p_name+'Allophone-
'+a_name+'-ICE\"
      },
      {
        \"name\": \"errorDefaultValue\",
        \"type\": \"other\",
        \"value\": \"\"
      },
      {
        \"name\": \"isJSONOutput\",
        \"type\": \"other\",
        \"value\": \"false\"
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\":
\"[{\\\"value\\\":[{\\\"columnName\\\":\\\"Phoneme\\\"}],{\\\"value\\\":[{\\\"columnName\\\":\\\"A2\\\"}]}]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"a2-uri\\\"}]}]\"
      }
    ],
    \"tags\": [\"Transformation\"]
  },
  {
    \"commandName\": \"SubmitPythonTransformationCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
      {

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    \"name\": \"hNodeId\",
    \"type\": \"hNodeId\",
    \"value\": [{\"columnName\": \"A3\"}]
  },
  {
    \"name\": \"worksheetId\",
    \"type\": \"worksheetId\",
    \"value\": \"W\"
  },
  {
    \"name\": \"selectionName\",
    \"type\": \"other\",
    \"value\": \"DEFAULT_TEST\"
  },
  {
    \"name\": \"newColumnName\",
    \"type\": \"other\",
    \"value\": \"a3-\"
  },
  {
    \"name\": \"transformationCode\",
    \"type\": \"other\",
    \"value\": \"a_name = getValue(\\\"A3\\\")\\nif a_name == \\\"\\\":\\n  return\\n  p_name =
getValue(\\\"Phoneme\\\".replace('/', '_').replace('-', '_').replace('(', ')').replace(')', '_')\\n\\nsp =
'http://www.ontologyrepository.com/CommonCoreOntologies/'\\nreturn nsp+'Phoneme'+p_name+'Allophone-
'+a_name+'-ICE\"
  },
  {
    \"name\": \"errorDefaultValue\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"isJSONOutput\",
    \"type\": \"other\",
    \"value\": \"false\"
  },
  {
    \"name\": \"inputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\":
    \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Phoneme\\\"}], {\\\"value\\\": [{\\\"columnName\\\": \\\"A3\\\"}]}]\"
  },
  {
    \"name\": \"outputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"a3-\\\"}]}]\"
  }
],
\"tags\": [\"Transformation\"]
},
{
  \"commandName\": \"RefreshSuperSelectionCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",

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```

    \value\": \"DEFAULT_TEST\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  }
],
\"tags\": [
  \"Selection\",
  \"IgnoreInBatch\"
]
},
{
  \commandName\": \"RefreshSuperSelectionCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"selectionName\",
      \type\": \"other\",
      \value\": \"DEFAULT_TEST\"
    },
    {
      \name\": \"inputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    },
    {
      \name\": \"outputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    }
  ],
  \tags\": [
    \"Selection\",
    \"IgnoreInBatch\"
  ]
},
{
  \commandName\": \"SetSemanticTypeCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [{\"columnName\": \"Phoneme\"}]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    }
  ],
  \tags\": [
    \"Selection\",
    \"IgnoreInBatch\"
  ]
}
]
}
}

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    \name\": \"selectionName\",
    \type\": \"other\",
    \value\": \"DEFAULT_TEST\"
  },
  {
    \name\": \"SemanticTypesArray\",
    \type\": \"other\",
    \value\": [{
      \DomainUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAPhonemeDesignator\",
      \DomainId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAPhonemeDesignator1\",
      \isPrimary\": true,
      \isProvenance\": false,
      \FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
      \DomainLabel\": \"cco:IPAPhonemeDesignator1 (add)\"
    }]
  },
  {
    \name\": \"trainAndShowUpdates\",
    \type\": \"other\",
    \value\": true
  },
  {
    \name\": \"rdfLiteralType\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"language\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"Phoneme\\\"}]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"Phoneme\\\"}]}]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetMetaPropertyCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [{\\\"columnName\\\": \"phoneme_ID\"}]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    }
  ],
  {
    \name\": \"selectionName\",
    \type\": \"other\",

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    \"value\": \"DEFAULT_TEST\"
  },
  {
    \"name\": \"metaPropertyName\",
    \"type\": \"other\",
    \"value\": \"isUriOfClass\"
  },
  {
    \"name\": \"metaPropertyUri\",
    \"type\": \"other\",
    \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/AmericanEnglishPhoneme\"
  },
  {
    \"name\": \"metaPropertyId\",
    \"type\": \"other\",
    \"value\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/AmericanEnglishPhoneme1\"
  },
  {
    \"name\": \"SemanticTypesArray\",
    \"type\": \"other\",
    \"value\": [{
      \"DomainUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/AmericanEnglishPhoneme\",
      \"DomainId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/AmericanEnglishPhoneme1\",
      \"isPrimary\": true,
      \"isProvenance\": false,
      \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
      \"DomainLabel\": \"cco:AmericanEnglishPhoneme1\"
    }]
  },
  {
    \"name\": \"trainAndShowUpdates\",
    \"type\": \"other\",
    \"value\": true
  },
  {
    \"name\": \"rdfliteralType\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"language\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"inputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phoneme_ID\\\"}]}]\"
  },
  {
    \"name\": \"outputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phoneme_ID\\\"}]}]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",

```

```

\\inputParameters\\: [
  {
    \\name\\: \\hNodeId\\,
    \\type\\: \\hNodeId\\,
    \\value\\: [{\\columnName\\: \\phone_ID\\}]
  },
  {
    \\name\\: \\worksheetId\\,
    \\type\\: \\worksheetId\\,
    \\value\\: \\W\\
  },
  {
    \\name\\: \\selectionName\\,
    \\type\\: \\other\\,
    \\value\\: \\DEFAULT_TEST\\
  },
  {
    \\name\\: \\metaPropertyName\\,
    \\type\\: \\other\\,
    \\value\\: \\isUriOfClass\\
  },
  {
    \\name\\: \\metaPropertyUri\\,
    \\type\\: \\other\\,
    \\value\\: \\http://www.ontologyrepository.com/CommonCoreOntologies/Phone\\
  },
  {
    \\name\\: \\metaPropertyId\\,
    \\type\\: \\other\\,
    \\value\\: \\http://www.ontologyrepository.com/CommonCoreOntologies/Phone1\\
  },
  {
    \\name\\: \\SemanticTypesArray\\,
    \\type\\: \\other\\,
    \\value\\: [{
      \\DomainUri\\: \\http://www.ontologyrepository.com/CommonCoreOntologies/Phone\\,
      \\DomainId\\: \\http://www.ontologyrepository.com/CommonCoreOntologies/Phone1\\,
      \\isPrimary\\: true,
      \\isProvenance\\: false,
      \\FullType\\: \\http://isi.edu/integration/karma/dev#classLink\\,
      \\DomainLabel\\: \\cco:Phone1\\
    }]
  },
  {
    \\name\\: \\trainAndShowUpdates\\,
    \\type\\: \\other\\,
    \\value\\: true
  },
  {
    \\name\\: \\rdfLiteralType\\,
    \\type\\: \\other\\,
    \\value\\: \\\"
  },
  {
    \\name\\: \\language\\,
    \\type\\: \\other\\,
    \\value\\: \\\"
  },
  {
    \\name\\: \\inputColumns\\,
    \\type\\: \\hNodeIdList\\,
    \\value\\: \\[{\\value\\:\\:\\\\columnName\\:\\:\\\\phone_ID\\}\\}\\]\"
  },
]

```

```

    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phone_ID\\\"}]}]\"
    }
  ],
  \"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"phoneme_ID\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",
      \"value\": \"isUriOfClass\"
    },
    {
      \"name\": \"metaPropertyUri\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
    },
    {
      \"name\": \"metaPropertyId\",
      \"type\": \"other\",
      \"value\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\"
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phoneme_ID\\\"}]}]\"
    },
  ],

```

```

    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"phoneme_ID\\\"}]}]\"
    }
  ],
  \"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"g1-uri\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",
      \"value\": \"isUriOfClass\"
    },
    {
      \"name\": \"metaPropertyUri\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    },
    {
      \"name\": \"metaPropertyId\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme1\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
        \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme1\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \"DomainLabel\": \"cco:Grapheme1\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    }
  ]
}

```

```

    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g1-uri\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g1-uri\\\"}]}]\"
    }
  ],
  \"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"gr-uri\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",
      \"value\": \"isUriOfClass\"
    },
    {
      \"name\": \"metaPropertyUri\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    },
    {
      \"name\": \"metaPropertyId\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme2\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
        \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme2\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \"DomainLabel\": \"cco:Grapheme2\"
      }]
    }
  ]
}

```

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    }]
  },
  {
    \name\:"trainAndShowUpdates",
    \type\:"other",
    \value\: true
  },
  {
    \name\:"rdfLiteralType",
    \type\:"other",
    \value\:""
  },
  {
    \name\:"language",
    \type\:"other",
    \value\:""
  },
  {
    \name\:"inputColumns",
    \type\:"hNodeIdList",
    \value\:"[{\\value\\:[{\\columnName\\:}\\gr-uri\\}]]"
  },
  {
    \name\:"outputColumns",
    \type\:"hNodeIdList",
    \value\:"[{\\value\\:[{\\columnName\\:}\\gr-uri\\}]]"
  }
],
\tags\:"[SemanticType]"
},
{
  \commandName\:"SetMetaPropertyCommand",
  \model\:"new",
  \inputParameters\:[
    {
      \name\:"hNodeId",
      \type\:"hNodeId",
      \value\:[{\\columnName\:"g7-uri"}]
    },
    {
      \name\:"worksheetId",
      \type\:"worksheetId",
      \value\:"W"
    },
    {
      \name\:"selectionName",
      \type\:"other",
      \value\:"DEFAULT_TEST"
    },
    {
      \name\:"metaPropertyName",
      \type\:"other",
      \value\:"isUriOfClass"
    },
    {
      \name\:"metaPropertyUri",
      \type\:"other",
      \value\:"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme"
    },
    {
      \name\:"metaPropertyId",
      \type\:"other",
      \value\:"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme7"
    }
  ]
}

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```

    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
        \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme7\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \"DomainLabel\": \"cco:Grapheme7\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g7-uri\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g7-uri\\\"}]}]\"
    }
  ],
  \"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"g6-uri\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",

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    \value\": \"isUriOfClass\"
  },
  {
    \name\": \"metaPropertyUri\",
    \type\": \"other\",
    \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
  },
  {
    \name\": \"metaPropertyId\",
    \type\": \"other\",
    \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme6\"
  },
  {
    \name\": \"SemanticTypesArray\",
    \type\": \"other\",
    \value\": [{
      \DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
      \DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme6\",
      \isPrimary\": true,
      \isProvenance\": false,
      \FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
      \DomainLabel\": \"cco:Grapheme6\"
    }]
  },
  {
    \name\": \"trainAndShowUpdates\",
    \type\": \"other\",
    \value\": true
  },
  {
    \name\": \"rdfLiteralType\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"language\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g6-uri\\\"}]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g6-uri\\\"}]}]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetMetaPropertyCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [\"columnName\": \"g5-uri\"]
    },
    {
      \name\": \"worksheetId\",

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    \"type\": \"worksheetId\",
    \"value\": \"W\"
  },
  {
    \"name\": \"selectionName\",
    \"type\": \"other\",
    \"value\": \"DEFAULT_TEST\"
  },
  {
    \"name\": \"metaPropertyName\",
    \"type\": \"other\",
    \"value\": \"isUriOfClass\"
  },
  {
    \"name\": \"metaPropertyUri\",
    \"type\": \"other\",
    \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
  },
  {
    \"name\": \"metaPropertyId\",
    \"type\": \"other\",
    \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme5\"
  },
  {
    \"name\": \"SemanticTypesArray\",
    \"type\": \"other\",
    \"value\": [{
      \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
      \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme5\",
      \"isPrimary\": true,
      \"isProvenance\": false,
      \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
      \"DomainLabel\": \"cco:Grapheme5\"
    }]
  },
  {
    \"name\": \"trainAndShowUpdates\",
    \"type\": \"other\",
    \"value\": true
  },
  {
    \"name\": \"rdfLiteralType\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"language\",
    \"type\": \"other\",
    \"value\": \"\"
  },
  {
    \"name\": \"inputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\":{\\\"columnName\\\":\\\"g5-uri\\\"}}]\"
  },
  {
    \"name\": \"outputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[{\\\"value\\\":{\\\"columnName\\\":\\\"g5-uri\\\"}}]\"
  }
],
\"tags\": [\"SemanticType\"]
},

```

```

{
  \"commandName\": \"SetMetaPropertyCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"g4-uri\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",
      \"value\": \"isUriOfClass\"
    },
    {
      \"name\": \"metaPropertyUri\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    },
    {
      \"name\": \"metaPropertyId\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme4\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
        \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme4\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \"DomainLabel\": \"cco:Grapheme4\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",

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```

    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[\\\"columnName\\\":\\\"g4-uri\\\"]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[\\\"columnName\\\":\\\"g4-uri\\\"]}]\"
  }
],
\tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetMetaPropertyCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [\\\"columnName\\\": \"g3-uri\"]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"selectionName\",
      \type\": \"other\",
      \value\": \"DEFAULT_TEST\"
    },
    {
      \name\": \"metaPropertyName\",
      \type\": \"other\",
      \value\": \"isUriOfClass\"
    },
    {
      \name\": \"metaPropertyUri\",
      \type\": \"other\",
      \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    },
    {
      \name\": \"metaPropertyId\",
      \type\": \"other\",
      \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme3\"
    },
    {
      \name\": \"SemanticTypesArray\",
      \type\": \"other\",
      \value\": [{
        \DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme3\",
        \isPrimary\": true,
        \isProvenance\": false,
        \FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \DomainLabel\": \"cco:Grapheme3\"
      }]
    },
    {
      \name\": \"trainAndShowUpdates\",
      \type\": \"other\",
      \value\": true
    }
  ],
  {

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```

    \name\": \"rdfLiteralType\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"language\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g3-uri\\\"}]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"g3-uri\\\"}]}]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetSemanticTypeCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [\"{\\\"columnName\\\": \"Graphemes: G1\\\"}"]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"selectionName\",
      \type\": \"other\",
      \value\": \"DEFAULT_TEST\"
    },
    {
      \name\": \"SemanticTypesArray\",
      \type\": \"other\",
      \value\": [{
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        \DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \isPrimary\": true,
        \isProvenance\": false,
        \FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
        \DomainLabel\": \"cco:Glyph1 (add)\"
      }]
    },
    {
      \name\": \"trainAndShowUpdates\",
      \type\": \"other\",
      \value\": true
    },
    {
      \name\": \"rdfLiteralType\",
      \type\": \"other\",
      \value\": \"\"
    }
  ],
},

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{
  \"name\": \"language\",
  \"type\": \"other\",
  \"value\": \"\"
},
{
  \"name\": \"inputColumns\",
  \"type\": \"hNodeIdList\",
  \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Graphemes: G1\\\"}]}]\"
},
{
  \"name\": \"outputColumns\",
  \"type\": \"hNodeIdList\",
  \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"Graphemes: G1\\\"}]}]\"
}
],
\"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetSemanticTypeCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"hNodeId\",
      \"type\": \"hNodeId\",
      \"value\": [{\"columnName\": \"G2\"}]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
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        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph2\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
        \"DomainLabel\": \"cco:Glyph2 (add)\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    }
  ]
}

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    },
    {
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      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"G2\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"G2\\\"}]}]\"
    }
  ],
  \"tags\": [\"SemanticType\"]
},
{
  \"commandName\": \"SetSemanticTypeCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
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      \"type\": \"hNodeId\",
      \"value\": [\"columnName\": \"G3\"]
    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
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        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph3\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
        \"DomainLabel\": \"cco:Glyph3 (add)\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",

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    \value\": \["value\":[{"columnName\":"G3"}]]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \["value\":[{"columnName\":"G3"}]]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetSemanticTypeCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [{"columnName\":"G4"}]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"selectionName\",
      \type\": \"other\",
      \value\": \"DEFAULT_TEST\"
    },
    {
      \name\": \"SemanticTypesArray\",
      \type\": \"other\",
      \value\": [{
        \DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph4\",
        \isPrimary\": true,
        \isProvenance\": false,
        \FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
        \DomainLabel\": \"cco:Glyph4 (add)\"
      }]
    },
    {
      \name\": \"trainAndShowUpdates\",
      \type\": \"other\",
      \value\": true
    },
    {
      \name\": \"rdfLiteralType\",
      \type\": \"other\",
      \value\": \"\"
    },
    {
      \name\": \"language\",
      \type\": \"other\",
      \value\": \"\"
    },
    {
      \name\": \"inputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \["value\":[{"columnName\":"G4"}]]\"
    },
    {
      \name\": \"outputColumns\",

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        \type\": \"hNodeIdList\",
        \value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"G4\\\"}]}]\"
    }
],
\tags\": [\"SemanticType\"]
},
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\commandName\": \"SetSemanticTypeCommand\",
\model\": \"new\",
\inputParameters\": [
{
\name\": \"hNodeId\",
\type\": \"hNodeId\",
\value\": [{\"columnName\": \"G5\"}]
},
{
\name\": \"worksheetId\",
\type\": \"worksheetId\",
\value\": \"W\"
},
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\type\": \"other\",
\value\": \"DEFAULT_TEST\"
},
{
\name\": \"SemanticTypesArray\",
\type\": \"other\",
\value\": [{
\DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
\DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph5\",
\isPrimary\": true,
\isProvenance\": false,
\FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
\DomainLabel\": \"cco:Glyph5\"
}]
},
{
\name\": \"trainAndShowUpdates\",
\type\": \"other\",
\value\": true
},
{
\name\": \"rdfLiteralType\",
\type\": \"other\",
\value\": \"\"
},
{
\name\": \"language\",
\type\": \"other\",
\value\": \"\"
},
{
\name\": \"inputColumns\",
\type\": \"hNodeIdList\",
\value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"G5\\\"}]}]\"
},
{
\name\": \"outputColumns\",
\type\": \"hNodeIdList\",
\value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"G5\\\"}]}]\"
}
],

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```

    \"tags\": [\"SemanticType\"]
  },
  {
    \"commandName\": \"SetSemanticTypeCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
      {
        \"name\": \"hNodeId\",
        \"type\": \"hNodeId\",
        \"value\": [{\"columnName\": \"G6\"}]
      },
      {
        \"name\": \"worksheetId\",
        \"type\": \"worksheetId\",
        \"value\": \"W\"
      },
      {
        \"name\": \"selectionName\",
        \"type\": \"other\",
        \"value\": \"DEFAULT_TEST\"
      },
      {
        \"name\": \"SemanticTypesArray\",
        \"type\": \"other\",
        \"value\": [{
          \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
          \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
          \"isPrimary\": true,
          \"isProvenance\": false,
          \"FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
          \"DomainLabel\": \"cco:Glyph6 (add)\"
        }]
      },
      {
        \"name\": \"trainAndShowUpdates\",
        \"type\": \"other\",
        \"value\": true
      },
      {
        \"name\": \"rdfliteralType\",
        \"type\": \"other\",
        \"value\": \"\"
      },
      {
        \"name\": \"language\",
        \"type\": \"other\",
        \"value\": \"\"
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\"value\": \"G6\", \"columnName\": \"G6\"}]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\"value\": \"G6\", \"columnName\": \"G6\"}]\"
      }
    ],
    \"tags\": [\"SemanticType\"]
  },
  {
    \"commandName\": \"SetSemanticTypeCommand\",

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```

\model\: \"new\",


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    \type\": \"hNodeId\",
    \value\": [{\columnName\": \"Allophones: A1\"}]
  },
  {
    \name\": \"worksheetId\",
    \type\": \"worksheetId\",
    \value\": \"W\"
  },
  {
    \name\": \"selectionName\",
    \type\": \"other\",
    \value\": \"DEFAULT_TEST\"
  },
  {
    \name\": \"SemanticTypesArray\",
    \type\": \"other\",
    \value\": [{
      \DomainUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
      \DomainId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier1\",
      \isPrimary\": true,
      \isProvenance\": false,
      \FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
      \DomainLabel\": \"cco:IPAAllophoneIdentifier1\"
    }]
  },
  {
    \name\": \"trainAndShowUpdates\",
    \type\": \"other\",
    \value\": true
  },
  {
    \name\": \"rdfLiteralType\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"language\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\value\": [{\columnName\": \"Allophones: A1\"}]]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\value\": [{\columnName\": \"Allophones: A1\"}]]\"
  }
],
\tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetMetaPropertyCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [{\columnName\": \"a1-uri\"}]
    }
  ]
}

```

```

    },
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"selectionName\",
      \"type\": \"other\",
      \"value\": \"DEFAULT_TEST\"
    },
    {
      \"name\": \"metaPropertyName\",
      \"type\": \"other\",
      \"value\": \"isUriOfClass\"
    },
    {
      \"name\": \"metaPropertyUri\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
    },
    {
      \"name\": \"metaPropertyId\",
      \"type\": \"other\",
      \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone1\"
    },
    {
      \"name\": \"SemanticTypesArray\",
      \"type\": \"other\",
      \"value\": [{
        \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\",
        \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone1\",
        \"isPrimary\": true,
        \"isProvenance\": false,
        \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \"DomainLabel\": \"cco:Allophone1\"
      }]
    },
    {
      \"name\": \"trainAndShowUpdates\",
      \"type\": \"other\",
      \"value\": true
    },
    {
      \"name\": \"rdfLiteralType\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"language\",
      \"type\": \"other\",
      \"value\": \"\"
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"a1-uri\\\"}]}]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[{\\\"value\\\": [{\\\"columnName\\\": \\\"a1-uri\\\"}]}]\"
    }
  }

```

```

    ],
    \"tags\": [\"SemanticType\"]
  },
  {
    \"commandName\": \"SetSemanticTypeCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
      {
        \"name\": \"hNodeId\",
        \"type\": \"hNodeId\",
        \"value\": [{\"columnName\": \"A2\"}]
      },
      {
        \"name\": \"worksheetId\",
        \"type\": \"worksheetId\",
        \"value\": \"W\"
      },
      {
        \"name\": \"selectionName\",
        \"type\": \"other\",
        \"value\": \"DEFAULT_TEST\"
      },
      {
        \"name\": \"SemanticTypesArray\",
        \"type\": \"other\",
        \"value\": [{
          \"DomainUri\":
            \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
          \"DomainId\":
            \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier2\",
          \"isPrimary\": true,
          \"isProvenance\": false,
          \"FullType\": \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
          \"DomainLabel\": \"cco:IPAAllophoneIdentifier2\"
        }]
      },
      {
        \"name\": \"trainAndShowUpdates\",
        \"type\": \"other\",
        \"value\": true
      },
      {
        \"name\": \"rdfLiteralType\",
        \"type\": \"other\",
        \"value\": \"\"
      },
      {
        \"name\": \"language\",
        \"type\": \"other\",
        \"value\": \"\"
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\"value\": [{\"columnName\": \"A2\"}]}]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[{\"value\": [{\"columnName\": \"A2\"}]}]\"
      }
    ]
  },
  \"tags\": [\"SemanticType\"]

```

```

    },
    {
      \"commandName\": \"SetMetaPropertyCommand\",
      \"model\": \"new\",
      \"inputParameters\": [
        {
          \"name\": \"hNodeId\",
          \"type\": \"hNodeId\",
          \"value\": [{\"columnName\": \"a2-uri\"}]
        },
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          \"name\": \"worksheetId\",
          \"type\": \"worksheetId\",
          \"value\": \"W\"
        },
        {
          \"name\": \"selectionName\",
          \"type\": \"other\",
          \"value\": \"DEFAULT_TEST\"
        },
        {
          \"name\": \"metaPropertyName\",
          \"type\": \"other\",
          \"value\": \"isUriOfClass\"
        },
        {
          \"name\": \"metaPropertyUri\",
          \"type\": \"other\",
          \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
        },
        {
          \"name\": \"metaPropertyId\",
          \"type\": \"other\",
          \"value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone2\"
        },
        {
          \"name\": \"SemanticTypesArray\",
          \"type\": \"other\",
          \"value\": [{
            \"DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\",
            \"DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone2\",
            \"isPrimary\": true,
            \"isProvenance\": false,
            \"FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
            \"DomainLabel\": \"cco:Allophone2\"
          }]
        },
        {
          \"name\": \"trainAndShowUpdates\",
          \"type\": \"other\",
          \"value\": true
        },
        {
          \"name\": \"rdfLiteralType\",
          \"type\": \"other\",
          \"value\": \"\"
        },
        {
          \"name\": \"language\",
          \"type\": \"other\",
          \"value\": \"\"
        },
        {

```

```

    \name\: \"inputColumns\",
    \type\: \"hNodeIdList\",
    \value\: \"[{\\\"value\\\":[\\\"columnName\\\":\\\"a2-uri\\\"]}]\"
  },
  {
    \name\: \"outputColumns\",
    \type\: \"hNodeIdList\",
    \value\: \"[{\\\"value\\\":[\\\"columnName\\\":\\\"a2-uri\\\"]}]\"
  }
],
\tags\: [\"SemanticType\"]
},
{
  \commandName\: \"SetSemanticTypeCommand\",
  \model\: \"new\",
  \inputParameters\: [
    {
      \name\: \"hNodeId\",
      \type\: \"hNodeId\",
      \value\: [\\\"columnName\\\": \"A3\"]
    },
    {
      \name\: \"worksheetId\",
      \type\: \"worksheetId\",
      \value\: \"W\"
    },
    {
      \name\: \"selectionName\",
      \type\: \"other\",
      \value\: \"DEFAULT_TEST\"
    },
    {
      \name\: \"SemanticTypesArray\",
      \type\: \"other\",
      \value\: [{
        \DomainUri\:
        \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
        \DomainId\:
        \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier3\",
        \isPrimary\: true,
        \isProvenance\: false,
        \FullType\: \"http://www.ontologyrepository.com/CommonCoreOntologies/has_text_value\",
        \DomainLabel\: \"cco:IPAAllophoneIdentifier3\"
      }]
    },
    {
      \name\: \"trainAndShowUpdates\",
      \type\: \"other\",
      \value\: true
    },
    {
      \name\: \"rdfLiteralType\",
      \type\: \"other\",
      \value\: \"\"
    },
    {
      \name\: \"language\",
      \type\: \"other\",
      \value\: \"\"
    },
    {
      \name\: \"inputColumns\",
      \type\: \"hNodeIdList\",

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    \value\": \"[{\\\"value\\\":[\\\"columnName\\\":\\\"A3\\\"]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[\\\"columnName\\\":\\\"A3\\\"]}]\"
  }
],
\tags\": [\"SemanticType\"]
},
{
  \commandName\": \"SetMetaPropertyCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"hNodeId\",
      \type\": \"hNodeId\",
      \value\": [\\\"columnName\\\": \"a3-\\\"]
    },
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"selectionName\",
      \type\": \"other\",
      \value\": \"DEFAULT_TEST\"
    },
    {
      \name\": \"metaPropertyName\",
      \type\": \"other\",
      \value\": \"isUriOfClass\"
    },
    {
      \name\": \"metaPropertyUri\",
      \type\": \"other\",
      \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
    },
    {
      \name\": \"metaPropertyId\",
      \type\": \"other\",
      \value\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone3\"
    },
    {
      \name\": \"SemanticTypesArray\",
      \type\": \"other\",
      \value\": [{
        \DomainUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\",
        \DomainId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone3\",
        \isPrimary\": true,
        \isProvenance\": false,
        \FullType\": \"http://isi.edu/integration/karma/dev#classLink\",
        \DomainLabel\": \"cco:Allophone3\"
      }]
    },
    {
      \name\": \"trainAndShowUpdates\",
      \type\": \"other\",
      \value\": true
    },
    {
      \name\": \"rdfLiteralType\",

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```

    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"language\",
    \type\": \"other\",
    \value\": \"\"
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"a3-\\\"}]}]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[{\\\"value\\\":[{\\\"columnName\\\":\\\"a3-\\\"}]}]\"
  }
],
\"tags\": [\"SemanticType\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"edge\",
      \type\": \"other\",
      \value\": {
        \edgeTargetId\":
        \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAPhonemeDesignator1\",
        \edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/designated_by\",
        \edgeTargetUri\":
        \"http://www.ontologyrepository.com/CommonCoreOntologies/IPAPhonemeDesignator\",
        \edgeSourceId\":
        \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
        \edgeSourceUri\":
        \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
      }
    },
    {
      \name\": \"inputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    },
    {
      \name\": \"outputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    }
  ],
  \tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {

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    \name\": \"worksheetId\",
    \type\": \"worksheetId\",
    \value\": \"W\"
  },
  {
    \name\": \"edge\",
    \type\": \"other\",
    \value\": {
      \edgeTargetId\:
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
      \edgeId\:
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_measured_by_nominal\",
      \edgeTargetUri\:
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\",
      \edgeSourceId\: \"http://www.ontologyrepositories.com/CommonCoreOntologies/Phone1\",
      \edgeSourceUri\: \"http://www.ontologyrepository.com/CommonCoreOntologies/Phone\"
    }
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  }
],
\"tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"edge\",
      \type\": \"other\",
      \value\": {
        \edgeTargetId\: \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme1\",
        \edgeId\: \"http://www.ontologyrepository.com/CommonCoreOntologies/represented_by\",
        \edgeTargetUri\: \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \edgeSourceId\:
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
        \edgeSourceUri\:
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
      }
    },
    {
      \name\": \"inputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    },
    {
      \name\": \"outputColumns\",
      \type\": \"hNodeIdList\",
      \value\": \"[]\"
    }
  ]
}

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    ],
    \"tags\": [\"Modeling\"]
  },
  {
    \"commandName\": \"AddLinkCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
      {
        \"name\": \"worksheetId\",
        \"type\": \"worksheetId\",
        \"value\": \"W\"
      },
      {
        \"name\": \"edge\",
        \"type\": \"other\",
        \"value\": {
          \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme2\",
          \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/represented_by\",
          \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
          \"edgeSourceId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
          \"edgeSourceUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
        }
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      }
    ],
    \"tags\": [\"Modeling\"]
  },
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    \"commandName\": \"AddLinkCommand\",
    \"model\": \"new\",
    \"inputParameters\": [
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        \"name\": \"worksheetId\",
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        \"value\": \"W\"
      },
      {
        \"name\": \"edge\",
        \"type\": \"other\",
        \"value\": {
          \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme3\",
          \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/represented_by\",
          \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
          \"edgeSourceId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
          \"edgeSourceUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
        }
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",

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    "value": []
  },
  {
    "name": "outputColumns",
    "type": "hNodeIdList",
    "value": []
  }
],
"tags": ["Modeling"]
},
{
  "commandName": "AddLinkCommand",
  "model": "new",
  "inputParameters": [
    {
      "name": "worksheetId",
      "type": "worksheetId",
      "value": "W"
    },
    {
      "name": "edge",
      "type": "other",
      "value": {
        "edgeTargetId": "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme4",
        "edgeId": "http://www.ontologyrepository.com/CommonCoreOntologies/represented_by",
        "edgeTargetUri": "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme",
        "edgeSourceId":
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1",
        "edgeSourceUri":
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme"
      }
    },
    {
      "name": "inputColumns",
      "type": "hNodeIdList",
      "value": []
    },
    {
      "name": "outputColumns",
      "type": "hNodeIdList",
      "value": []
    }
  ],
  "tags": ["Modeling"]
},
{
  "commandName": "AddLinkCommand",
  "model": "new",
  "inputParameters": [
    {
      "name": "worksheetId",
      "type": "worksheetId",
      "value": "W"
    },
    {
      "name": "edge",
      "type": "other",
      "value": {
        "edgeTargetId": "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme5",
        "edgeId": "http://www.ontologyrepository.com/CommonCoreOntologies/represented_by",
        "edgeTargetUri": "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme",
        "edgeSourceId":
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1",

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```

        \edgeSourceUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
    }
  },
  {
    \name\": \inputColumns\",
    \type\": \hNodeIdList\",
    \value\": \[\]\
  },
  {
    \name\": \outputColumns\",
    \type\": \hNodeIdList\",
    \value\": \[\]\
  }
],
\"tags\": [\Modeling\]
},
{
  \commandName\": \AddLinkCommand\",
  \model\": \new\",
  \inputParameters\": [
    {
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      \type\": \worksheetId\",
      \value\": \W\
    },
    {
      \name\": \edge\",
      \type\": \other\",
      \value\": {
        \edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme6\",
        \edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/represented_by\",
        \edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
        \edgeSourceId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
        \edgeSourceUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
      }
    },
    {
      \name\": \inputColumns\",
      \type\": \hNodeIdList\",
      \value\": \[\]\
    },
    {
      \name\": \outputColumns\",
      \type\": \hNodeIdList\",
      \value\": \[\]\
    }
  ],
  \tags\": [\Modeling\]
},
{
  \commandName\": \AddLinkCommand\",
  \model\": \new\",
  \inputParameters\": [
    {
      \name\": \worksheetId\",
      \type\": \worksheetId\",
      \value\": \W\
    },
    {
      \name\": \edge\",

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    \"type\": \"other\",
    \"value\": {
      \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme7\",
      \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/represented_by\",
      \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\",
      \"edgeSourceId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
      \"edgeSourceUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
    }
  },
  {
    \"name\": \"inputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[]\"
  },
  {
    \"name\": \"outputColumns\",
    \"type\": \"hNodeIdList\",
    \"value\": \"[]\"
  }
],
\"tags\": [\"Modeling\"]
},
{
  \"commandName\": \"AddLinkCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier1\",
        \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/designated_by\",
        \"edgeTargetUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
        \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone1\",
        \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    }
  ],
  \"tags\": [\"Modeling\"]
},
{
  \"commandName\": \"AddLinkCommand\",
  \"model\": \"new\",
  \"inputParameters\": [

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    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier2\",
        \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/designated_by\",
        \"edgeTargetUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
        \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone2\",
        \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    }
  ],
  \"tags\": [\"Modeling\"]
},
{
  \"commandName\": \"AddLinkCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier3\",
        \"edgeId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/designated_by\",
        \"edgeTargetUri\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier\",
        \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone3\",
        \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    }
  ]
}

```

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    ],
    \"tags\": [\"Modeling\"]
  },
  {
    \"commandName\": \"AddLinkCommand\",
    \"model\": \"new\",
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      {
        \"name\": \"worksheetId\",
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        \"value\": \"W\"
      },
      {
        \"name\": \"edge\",
        \"type\": \"other\",
        \"value\": {
          \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone1\",
          \"edgeId\": \"http://purl.obolibrary.org/obo/BFO_0000051\",
          \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\",
          \"edgeSourceId\":
            \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
          \"edgeSourceUri\":
            \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
        }
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      }
    ]
  },
  \"tags\": [\"Modeling\"]
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  \"model\": \"new\",
  \"inputParameters\": [
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      \"value\": \"W\"
    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone2\",
        \"edgeId\": \"http://purl.obolibrary.org/obo/BFO_0000051\",
        \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone\",
        \"edgeSourceId\":
          \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1\",
        \"edgeSourceUri\":
          \"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
    }
  ]
}

```

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    "value": []
  },
  {
    "name": "outputColumns",
    "type": "hNodeIdList",
    "value": []
  }
],
"tags": ["Modeling"]
},
{
  "commandName": "AddLinkCommand",
  "model": "new",
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      "type": "worksheetId",
      "value": "W"
    },
    {
      "name": "edge",
      "type": "other",
      "value": {
        "edgeTargetId": "http://www.ontologyrepository.com/CommonCoreOntologies/Allophone3",
        "edgeId": "http://purl.obolibrary.org/obo/BFO_0000051",
        "edgeTargetUri": "http://www.ontologyrepository.com/CommonCoreOntologies/Allophone",
        "edgeSourceId":
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1",
        "edgeSourceUri":
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme"
      }
    },
    {
      "name": "inputColumns",
      "type": "hNodeIdList",
      "value": []
    },
    {
      "name": "outputColumns",
      "type": "hNodeIdList",
      "value": []
    }
  ],
  "tags": ["Modeling"]
},
{
  "commandName": "AddLinkCommand",
  "model": "new",
  "inputParameters": [
    {
      "name": "worksheetId",
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      "value": "W"
    },
    {
      "name": "edge",
      "type": "other",
      "value": {
        "edgeTargetId": "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph1",
        "edgeId":
"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of",
        "edgeTargetUri": "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph",
        "edgeSourceId": "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme1",

```

```

        \edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    }
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  }
],
\"tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"edge\",
      \type\": \"other\",
      \value\": {
        \edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph2\",
        \edgeId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
        \edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme2\",
        \edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
      }
    }
  ],
  \tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
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      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"edge\",
      \type\": \"other\",
      \value\": {

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        \edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph3\",
        \edgeId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
        \edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme3\",
        \edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
    }
  },
  {
    \name\": \"inputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  },
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  }
],
\"tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    },
    {
      \name\": \"edge\",
      \type\": \"other\",
      \value\": {
        \edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph4\",
        \edgeId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
        \edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme4\",
        \edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
      }
    }
  ],
  \name\": \"inputColumns\",
  \type\": \"hNodeIdList\",
  \value\": \"[]\"
},
  {
    \name\": \"outputColumns\",
    \type\": \"hNodeIdList\",
    \value\": \"[]\"
  }
],
\"tags\": [\"Modeling\"]
},
{
  \commandName\": \"AddLinkCommand\",
  \model\": \"new\",
  \inputParameters\": [
    {
      \name\": \"worksheetId\",
      \type\": \"worksheetId\",
      \value\": \"W\"
    }
  ]
}

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```

    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph5\",
        \"edgeId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
        \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme5\",
        \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    }
  ],
  \"tags\": [\"Modeling\"]
},
{
  \"commandName\": \"AddLinkCommand\",
  \"model\": \"new\",
  \"inputParameters\": [
    {
      \"name\": \"worksheetId\",
      \"type\": \"worksheetId\",
      \"value\": \"W\"
    },
    {
      \"name\": \"edge\",
      \"type\": \"other\",
      \"value\": {
        \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph6\",
        \"edgeId\":
\"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
        \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
        \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme6\",
        \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
      }
    },
    {
      \"name\": \"inputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    },
    {
      \"name\": \"outputColumns\",
      \"type\": \"hNodeIdList\",
      \"value\": \"[]\"
    }
  ],
  \"tags\": [\"Modeling\"]
},
{
  \"commandName\": \"AddLinkCommand\",
  \"model\": \"new\",

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```

    \"inputParameters\": [
      {
        \"name\": \"worksheetId\",
        \"type\": \"worksheetId\",
        \"value\": \"W\"
      },
      {
        \"name\": \"edge\",
        \"type\": \"other\",
        \"value\": {
          \"edgeTargetId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph7\",
          \"edgeId\":
            \"http://www.ontologyrepository.com/CommonCoreOntologies/is_a_nominal_measurement_of\",
          \"edgeTargetUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Glyph\",
          \"edgeSourceId\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme7\",
          \"edgeSourceUri\": \"http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme\"
        }
      },
      {
        \"name\": \"inputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      },
      {
        \"name\": \"outputColumns\",
        \"type\": \"hNodeIdList\",
        \"value\": \"[]\"
      }
    ],
    \"tags\": [\"Modeling\"]
  }
]\"\"\" .

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km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 a rr:TriplesMap .

\_:node1ficd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 .

km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx2 rr:tableName \"44phonemes-modified.csv\" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasLogicalTable \_:node1ficd3vmdx2 .

km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 rr:logicalTable \_:node1ficd3vmdx2 ;  
 rr:subjectMap \_:node1ficd3vmdx3 .

\_:node1ficd3vmdx1 km-dev:hasSubjectMap \_:node1ficd3vmdx3 .

\_:node1ficd3vmdx3 km-dev:isPartOfMapping \_:node1ficd3vmdx1 ;  
 a rr:SubjectMap ;  
 km-dev:alignmentNodeId \"http://www.ontologyrepository.com/CommonCoreOntologies/Allophone1\" ;  
 rr:class cco:Allophone ;  
 rr:template \"{a1-uri}\" .

km-dev:PredicateObjectMap\_c997cef5-3041-48b4-8371-ef1a1d6db4b5 rr:predicate cco:designated\_by .

km-dev:RefObjectMap\_b17186f3-7bbd-4c11-b0f0-6e413c5f1469 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 ;  
 km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_b17186f3-7bbd-4c11-b0f0-6e413c5f1469 .

km-dev:PredicateObjectMap\_c997cef5-3041-48b4-8371-ef1a1d6db4b5 rr:objectMap km-dev:RefObjectMap\_b17186f3-7bbd-4c11-b0f0-6e413c5f1469 .

km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 rr:predicateObjectMap km-dev:PredicateObjectMap\_c997cef5-3041-48b4-8371-ef1a1d6db4b5 .

km-dev:PredicateObjectMap\_c997cef5-3041-48b4-8371-ef1a1d6db4b5 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_c997cef5-3041-48b4-8371-ef1a1d6db4b5 .

km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 .

km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx4 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx4 .

km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 rr:logicalTable \_:node1fcd3vmdx4 ;  
 rr:subjectMap \_:node1fcd3vmdx5 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx5 .

\_:node1fcd3vmdx5 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
 a rr:SubjectMap ;  
 km-dev:alignmentNodeId

"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier1" ;  
 rr:class cco:IPAAllophoneIdentifier ;  
 rr:termType rr:BlankNode ;  
 km-dev:namePrefix "cco:IPAAllophoneIdentifier1" .

km-dev:PredicateObjectMap\_364ae8d3-a462-4330-bf24-0f63626ef3d6 rr:predicate cco:has\_text\_value .

\_:node1fcd3vmdx6 rr:column "Allophones: A1" ;  
 a rr:ObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap \_:node1fcd3vmdx6 .

km-dev:PredicateObjectMap\_364ae8d3-a462-4330-bf24-0f63626ef3d6 rr:objectMap \_:node1fcd3vmdx6 .

km-dev:TriplesMap\_7e7f1dc4-e9b5-46ad-9f09-73dcd6bad105 rr:predicateObjectMap km-dev:PredicateObjectMap\_364ae8d3-a462-4330-bf24-0f63626ef3d6 .

km-dev:PredicateObjectMap\_364ae8d3-a462-4330-bf24-0f63626ef3d6 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_364ae8d3-a462-4330-bf24-0f63626ef3d6 .

km-dev:TriplesMap\_72a30408-9880-48e7-9977-56c14e8af7e1 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_72a30408-9880-48e7-9977-56c14e8af7e1 .

km-dev:TriplesMap\_72a30408-9880-48e7-9977-56c14e8af7e1 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

```

_:node1fcd3vmdx7 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx7 .

km-dev:TriplesMap_72a30408-9880-48e7-9977-56c14e8af7e1 rr:logicalTable _:node1fcd3vmdx7 ;
  rr:subjectMap _:node1fcd3vmdx8 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx8 .

_:node1fcd3vmdx8 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Allophone2" ;
  rr:class cco:Allophone ;
  rr:template "{a2-uri}" .

km-dev:PredicateObjectMap_9896e945-6fc2-467f-8d48-738a09dcdeb7 rr:predicate cco:designated_by .

km-dev:RefObjectMap_0a35f8f4-1992-4cd6-a283-cae7f6cd9ea7 a rr:RefObjectMap , rr:ObjectMap ;
  rr:parentTriplesMap km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_0a35f8f4-1992-4cd6-a283-cae7f6cd9ea7 .

km-dev:PredicateObjectMap_9896e945-6fc2-467f-8d48-738a09dcdeb7 rr:objectMap km-
dev:RefObjectMap_0a35f8f4-1992-4cd6-a283-cae7f6cd9ea7 .

km-dev:TriplesMap_72a30408-9880-48e7-9977-56c14e8af7e1 rr:predicateObjectMap km-
dev:PredicateObjectMap_9896e945-6fc2-467f-8d48-738a09dcdeb7 .

km-dev:PredicateObjectMap_9896e945-6fc2-467f-8d48-738a09dcdeb7 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_9896e945-6fc2-467f-8d48-
738a09dcdeb7 .

km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f .

km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx9 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx9 .

km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f rr:logicalTable _:node1fcd3vmdx9 ;
  rr:subjectMap _:node1fcd3vmdx10 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx10 .

_:node1fcd3vmdx10 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId
"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier2" ;
  rr:class cco:IPAAllophoneIdentifier ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:IPAAllophoneIdentifier2" .

km-dev:PredicateObjectMap_1808b567-4d48-466d-85b6-3188387064f4 rr:predicate cco:has_text_value .

```

```

_:node1fcd3vmdx11 rr:column "A2" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap _:node1fcd3vmdx11 .

km-dev:PredicateObjectMap_1808b567-4d48-466d-85b6-3188387064f4 rr:objectMap _:node1fcd3vmdx11 .

km-dev:TriplesMap_d2c7f6ce-a361-4e35-a463-5b34e115911f rr:predicateObjectMap km-dev:PredicateObjectMap_1808b567-4d48-466d-85b6-3188387064f4 .

km-dev:PredicateObjectMap_1808b567-4d48-466d-85b6-3188387064f4 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_1808b567-4d48-466d-85b6-3188387064f4 .

km-dev:TriplesMap_1efb8e22-3110-4832-8c91-2bea10ac04a4 a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_1efb8e22-3110-4832-8c91-2bea10ac04a4 .

km-dev:TriplesMap_1efb8e22-3110-4832-8c91-2bea10ac04a4 km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx12 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx12 .

km-dev:TriplesMap_1efb8e22-3110-4832-8c91-2bea10ac04a4 rr:logicalTable _:node1fcd3vmdx12 ;
  rr:subjectMap _:node1fcd3vmdx13 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx13 .

_:node1fcd3vmdx13 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Allophone3" ;
  rr:class cco:Allophone ;
  rr:template "{a3}" .

km-dev:PredicateObjectMap_f8ccf129-a85c-44a5-a761-15ae2913fb82 rr:predicate cco:designated_by .

km-dev:RefObjectMap_6d606f39-0007-4e91-9357-b0187dba4b84 a rr:RefObjectMap , rr:ObjectMap ;
  rr:parentTriplesMap km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_6d606f39-0007-4e91-9357-b0187dba4b84 .

km-dev:PredicateObjectMap_f8ccf129-a85c-44a5-a761-15ae2913fb82 rr:objectMap km-dev:RefObjectMap_6d606f39-0007-4e91-9357-b0187dba4b84 .

km-dev:TriplesMap_1efb8e22-3110-4832-8c91-2bea10ac04a4 rr:predicateObjectMap km-dev:PredicateObjectMap_f8ccf129-a85c-44a5-a761-15ae2913fb82 .

km-dev:PredicateObjectMap_f8ccf129-a85c-44a5-a761-15ae2913fb82 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_f8ccf129-a85c-44a5-a761-15ae2913fb82 .

km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c a rr:TriplesMap .

```

```

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c .
km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx14 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx14 .

km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c rr:logicalTable _:node1fcd3vmdx14 ;
  rr:subjectMap _:node1fcd3vmdx15 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx15 .

_:node1fcd3vmdx15 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId
"http://www.ontologyrepository.com/CommonCoreOntologies/IPAAllophoneIdentifier3" ;
  rr:class cco:IPAAllophoneIdentifier ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:IPAAllophoneIdentifier3" .

km-dev:PredicateObjectMap_f3fb292e-639f-4a24-aa77-9e719312a48a rr:predicate cco:has_text_value .

_:node1fcd3vmdx16 rr:column "A3" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap _:node1fcd3vmdx16 .

km-dev:PredicateObjectMap_f3fb292e-639f-4a24-aa77-9e719312a48a rr:objectMap _:node1fcd3vmdx16 .

km-dev:TriplesMap_c97af933-da14-406e-bab1-c16bd8e83b7c rr:predicateObjectMap km-
dev:PredicateObjectMap_f3fb292e-639f-4a24-aa77-9e719312a48a .

km-dev:PredicateObjectMap_f3fb292e-639f-4a24-aa77-9e719312a48a a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_f3fb292e-639f-4a24-aa77-
9e719312a48a .

km-dev:TriplesMap_986d34b2-82af-440c-81cc-05252d745082 a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_986d34b2-82af-440c-81cc-05252d745082 .

km-dev:TriplesMap_986d34b2-82af-440c-81cc-05252d745082 km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx17 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx17 .

km-dev:TriplesMap_986d34b2-82af-440c-81cc-05252d745082 rr:logicalTable _:node1fcd3vmdx17 ;
  rr:subjectMap _:node1fcd3vmdx18 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx18 .

_:node1fcd3vmdx18 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId
"http://www.ontologyrepository.com/CommonCoreOntologies/EnglishLanguagePhoneme1" ;

```

rr:class cco:EnglishLanguagePhoneme ;  
 rr:template "{phoneme\_ID}" .

km-dev:PredicateObjectMap\_fa3118a9-8d6d-4657-9e54-92ff255afbec rr:predicate obo:BFO\_0000051 .

km-dev:RefObjectMap\_da3df878-3ab7-429b-a2b0-7b116e56f22c a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_ed52d735-4d24-4f3d-9e4c-16eb88fd0fe4 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_da3df878-3ab7-429b-a2b0-7b116e56f22c .

km-dev:PredicateObjectMap\_fa3118a9-8d6d-4657-9e54-92ff255afbec rr:objectMap km-  
 dev:RefObjectMap\_da3df878-3ab7-429b-a2b0-7b116e56f22c .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-  
 dev:PredicateObjectMap\_fa3118a9-8d6d-4657-9e54-92ff255afbec .

km-dev:PredicateObjectMap\_fa3118a9-8d6d-4657-9e54-92ff255afbec a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_fa3118a9-8d6d-4657-9e54-  
 92ff255afbec .

km-dev:PredicateObjectMap\_d33807e1-7175-4714-8490-06b5e0cb1d32 rr:predicate obo:BFO\_0000051 .

km-dev:RefObjectMap\_88e5a64d-d792-4f7f-a06d-b2761c23102b a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_72a30408-9880-48e7-9977-56c14e8af7e1 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_88e5a64d-d792-4f7f-a06d-b2761c23102b .

km-dev:PredicateObjectMap\_d33807e1-7175-4714-8490-06b5e0cb1d32 rr:objectMap km-  
 dev:RefObjectMap\_88e5a64d-d792-4f7f-a06d-b2761c23102b .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-  
 dev:PredicateObjectMap\_d33807e1-7175-4714-8490-06b5e0cb1d32 .

km-dev:PredicateObjectMap\_d33807e1-7175-4714-8490-06b5e0cb1d32 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_d33807e1-7175-4714-8490-  
 06b5e0cb1d32 .

km-dev:PredicateObjectMap\_1ee75a99-8524-4bab-afe9-ba22dd7cf3da rr:predicate obo:BFO\_0000051 .

km-dev:RefObjectMap\_453d5d49-5aab-4c3a-b2d0-5de714ac9d58 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_1efb8e22-3110-4832-8c91-2bea10ac04a4 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_453d5d49-5aab-4c3a-b2d0-5de714ac9d58 .

km-dev:PredicateObjectMap\_1ee75a99-8524-4bab-afe9-ba22dd7cf3da rr:objectMap km-  
 dev:RefObjectMap\_453d5d49-5aab-4c3a-b2d0-5de714ac9d58 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-  
 dev:PredicateObjectMap\_1ee75a99-8524-4bab-afe9-ba22dd7cf3da .

km-dev:PredicateObjectMap\_1ee75a99-8524-4bab-afe9-ba22dd7cf3da a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_1ee75a99-8524-4bab-afe9-  
 ba22dd7cf3da .

km-dev:PredicateObjectMap\_dc01e1c3-5acd-4a33-8e07-b423450bdabc rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_597b6599-2133-4c59-8dc2-ee90d9ad89d4 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_3e653105-3cc2-4996-bf3d-49c1384aa469 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_597b6599-2133-4c59-8dc2-ee90d9ad89d4 .

km-dev:PredicateObjectMap\_dc01e1c3-5acd-4a33-8e07-b423450bdabc rr:objectMap km-dev:RefObjectMap\_597b6599-2133-4c59-8dc2-ee90d9ad89d4 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_dc01e1c3-5acd-4a33-8e07-b423450bdabc .

km-dev:PredicateObjectMap\_dc01e1c3-5acd-4a33-8e07-b423450bdabc a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_dc01e1c3-5acd-4a33-8e07-b423450bdabc .

km-dev:PredicateObjectMap\_a441002a-5ee9-4e6e-a6f2-8e76fc74b76b rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_12c066fb-e810-4415-b8b6-c8da923857ef a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_08a77810-2687-46c3-952f-1179c31e28cf ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_12c066fb-e810-4415-b8b6-c8da923857ef .

km-dev:PredicateObjectMap\_a441002a-5ee9-4e6e-a6f2-8e76fc74b76b rr:objectMap km-dev:RefObjectMap\_12c066fb-e810-4415-b8b6-c8da923857ef .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_a441002a-5ee9-4e6e-a6f2-8e76fc74b76b .

km-dev:PredicateObjectMap\_a441002a-5ee9-4e6e-a6f2-8e76fc74b76b a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_a441002a-5ee9-4e6e-a6f2-8e76fc74b76b .

km-dev:PredicateObjectMap\_7003ecb9-68ae-4897-9cac-db34819b1ed4 rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_b8912fea-de48-4f21-bc45-5ba2a83fc69d a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_b33beb1d-7618-4a4d-90b5-8054e9189fb6 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_b8912fea-de48-4f21-bc45-5ba2a83fc69d .

km-dev:PredicateObjectMap\_7003ecb9-68ae-4897-9cac-db34819b1ed4 rr:objectMap km-dev:RefObjectMap\_b8912fea-de48-4f21-bc45-5ba2a83fc69d .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_7003ecb9-68ae-4897-9cac-db34819b1ed4 .

km-dev:PredicateObjectMap\_7003ecb9-68ae-4897-9cac-db34819b1ed4 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_7003ecb9-68ae-4897-9cac-db34819b1ed4 .

km-dev:PredicateObjectMap\_21095078-bbde-4770-aca0-02449c0be4ff rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_9ae29602-c05a-4ec5-9828-b4d95e335c04 a rr:RefObjectMap , rr:ObjectMap ;

rr:parentTriplesMap km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_9ae29602-c05a-4ec5-9828-b4d95e335c04 .

km-dev:PredicateObjectMap\_21095078-bbde-4770-aca0-02449c0be4ff rr:objectMap km-dev:RefObjectMap\_9ae29602-c05a-4ec5-9828-b4d95e335c04 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_21095078-bbde-4770-aca0-02449c0be4ff .

km-dev:PredicateObjectMap\_21095078-bbde-4770-aca0-02449c0be4ff a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_21095078-bbde-4770-aca0-02449c0be4ff .

km-dev:PredicateObjectMap\_b116bb43-e15c-4eef-8a74-d40b59f7868a rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_98219e99-4601-4ec6-97a0-eac8609dec79 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_98219e99-4601-4ec6-97a0-eac8609dec79 .

km-dev:PredicateObjectMap\_b116bb43-e15c-4eef-8a74-d40b59f7868a rr:objectMap km-dev:RefObjectMap\_98219e99-4601-4ec6-97a0-eac8609dec79 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_b116bb43-e15c-4eef-8a74-d40b59f7868a .

km-dev:PredicateObjectMap\_b116bb43-e15c-4eef-8a74-d40b59f7868a a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_b116bb43-e15c-4eef-8a74-d40b59f7868a .

km-dev:PredicateObjectMap\_739b7a81-a110-4e68-b042-71ec4722cf12 rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_53f4b6e1-cc6a-48b1-89ff-a5e202b083f5 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_53f4b6e1-cc6a-48b1-89ff-a5e202b083f5 .

km-dev:PredicateObjectMap\_739b7a81-a110-4e68-b042-71ec4722cf12 rr:objectMap km-dev:RefObjectMap\_53f4b6e1-cc6a-48b1-89ff-a5e202b083f5 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_739b7a81-a110-4e68-b042-71ec4722cf12 .

km-dev:PredicateObjectMap\_739b7a81-a110-4e68-b042-71ec4722cf12 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_739b7a81-a110-4e68-b042-71ec4722cf12 .

km-dev:PredicateObjectMap\_8ffc1337-1dc3-472b-9404-089cfb401b79 rr:predicate cco:represented\_by .

km-dev:RefObjectMap\_87f15868-dfb2-4b66-8d6a-5981b0590d11 a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_7208f276-fc9e-4302-a3dd-f59c0b47474e ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_87f15868-dfb2-4b66-8d6a-5981b0590d11 .

km-dev:PredicateObjectMap\_8ffc1337-1dc3-472b-9404-089cfb401b79 rr:objectMap km-dev:RefObjectMap\_87f15868-dfb2-4b66-8d6a-5981b0590d11 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_8ffc1337-1dc3-472b-9404-089cfb401b79 .

km-dev:PredicateObjectMap\_8ffc1337-1dc3-472b-9404-089cfb401b79 a rr:PredicateObjectMap ;  
km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_8ffc1337-1dc3-472b-9404-089cfb401b79 .

km-dev:PredicateObjectMap\_5bececc8-68ec-4c78-8241-6c34c2eb5120 rr:predicate cco:designated\_by .

km-dev:RefObjectMap\_f5158f07-e825-472a-b65b-de72c0065634 a rr:RefObjectMap , rr:ObjectMap ;  
rr:parentTriplesMap km-dev:TriplesMap\_311f850b-1796-417a-b683-0f31a8ab4126 ;  
km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_f5158f07-e825-472a-b65b-de72c0065634 .

km-dev:PredicateObjectMap\_5bececc8-68ec-4c78-8241-6c34c2eb5120 rr:objectMap km-dev:RefObjectMap\_f5158f07-e825-472a-b65b-de72c0065634 .

km-dev:TriplesMap\_986d34b2-82af-440c-81cc-05252d745082 rr:predicateObjectMap km-dev:PredicateObjectMap\_5bececc8-68ec-4c78-8241-6c34c2eb5120 .

km-dev:PredicateObjectMap\_5bececc8-68ec-4c78-8241-6c34c2eb5120 a rr:PredicateObjectMap ;  
km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_5bececc8-68ec-4c78-8241-6c34c2eb5120 .

km-dev:TriplesMap\_3e653105-3cc2-4996-bf3d-49c1384aa469 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_3e653105-3cc2-4996-bf3d-49c1384aa469 .

km-dev:TriplesMap\_3e653105-3cc2-4996-bf3d-49c1384aa469 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx19 rr:tableName "44phonemes-modified.csv" ;  
a rr:LogicalTable ;  
km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx19 .

km-dev:TriplesMap\_3e653105-3cc2-4996-bf3d-49c1384aa469 rr:logicalTable \_:node1fcd3vmdx19 ;  
rr:subjectMap \_:node1fcd3vmdx20 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx20 .

\_:node1fcd3vmdx20 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
a rr:SubjectMap ;  
km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme1" ;  
rr:class cco:Grapheme ;  
rr:template "{g1-uri}" .

km-dev:PredicateObjectMap\_d9562ea8-32ff-44ef-b10e-0efae03de5a9 rr:predicate  
cco:is\_a\_nominal\_measurement\_of .

km-dev:RefObjectMap\_beb482e7-6e14-44b9-abd9-589ed1c97d38 a rr:RefObjectMap , rr:ObjectMap ;  
rr:parentTriplesMap km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 ;  
km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

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_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_beb482e7-6e14-44b9-abd9-589ed1c97d38 .

km-dev:PredicateObjectMap_d9562ea8-32ff-44ef-b10e-0efae03de5a9 rr:objectMap km-
dev:RefObjectMap_beb482e7-6e14-44b9-abd9-589ed1c97d38 .

km-dev:TriplesMap_3e653105-3cc2-4996-bf3d-49c1384aa469 rr:predicateObjectMap km-
dev:PredicateObjectMap_d9562ea8-32ff-44ef-b10e-0efae03de5a9 .

km-dev:PredicateObjectMap_d9562ea8-32ff-44ef-b10e-0efae03de5a9 a rr:PredicateObjectMap ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_d9562ea8-32ff-44ef-b10e-
0efae03de5a9 .

km-dev:TriplesMap_08a77810-2687-46c3-952f-1179c31e28cf a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_08a77810-2687-46c3-952f-1179c31e28cf .

km-dev:TriplesMap_08a77810-2687-46c3-952f-1179c31e28cf km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx21 rr:tableName "44phonemes-modified.csv" ;
    a rr:LogicalTable ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx21 .

km-dev:TriplesMap_08a77810-2687-46c3-952f-1179c31e28cf rr:logicalTable _:node1fcd3vmdx21 ;
    rr:subjectMap _:node1fcd3vmdx22 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx22 .

_:node1fcd3vmdx22 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
    a rr:SubjectMap ;
    km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme2" ;
    rr:class cco:Grapheme ;
    rr:template "{gr-uri}" .

km-dev:PredicateObjectMap_ee17b97b-147e-471e-b367-03a59f4e4034 rr:predicate
cco:is_a_nominal_measurement_of .

km-dev:RefObjectMap_9b57b393-25e9-49bf-a03f-b3eaf50238e6 a rr:RefObjectMap , rr:ObjectMap ;
    rr:parentTriplesMap km-dev:TriplesMap_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_9b57b393-25e9-49bf-a03f-b3eaf50238e6 .

km-dev:PredicateObjectMap_ee17b97b-147e-471e-b367-03a59f4e4034 rr:objectMap km-
dev:RefObjectMap_9b57b393-25e9-49bf-a03f-b3eaf50238e6 .

km-dev:TriplesMap_08a77810-2687-46c3-952f-1179c31e28cf rr:predicateObjectMap km-
dev:PredicateObjectMap_ee17b97b-147e-471e-b367-03a59f4e4034 .

km-dev:PredicateObjectMap_ee17b97b-147e-471e-b367-03a59f4e4034 a rr:PredicateObjectMap ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_ee17b97b-147e-471e-b367-
03a59f4e4034 .

km-dev:TriplesMap_b33beb1d-7618-4a4d-90b5-8054e9189fb6 a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_b33beb1d-7618-4a4d-90b5-8054e9189fb6 .

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km-dev:TriplesMap\_b33beb1d-7618-4a4d-90b5-8054e9189fb6 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx23 rr:tableName "44phonemes-modified.csv" ;  
   a rr:LogicalTable ;  
   km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx23 .  
 km-dev:TriplesMap\_b33beb1d-7618-4a4d-90b5-8054e9189fb6 rr:logicalTable \_:node1fcd3vmdx23 ;  
   rr:subjectMap \_:node1fcd3vmdx24 .  
 \_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx24 .  
 \_:node1fcd3vmdx24 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
   a rr:SubjectMap ;  
   km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme3" ;  
   rr:class cco:Grapheme ;  
   rr:template "{g3-uri}" .  
 km-dev:PredicateObjectMap\_e6407059-8369-47e0-9c42-75622ac702a9 rr:predicate  
 cco:is\_a\_nominal\_measurement\_of .  
 km-dev:RefObjectMap\_31260000-973d-45d7-9bb6-755b34ded437 a rr:RefObjectMap , rr:ObjectMap ;  
   rr:parentTriplesMap km-dev:TriplesMap\_611652cc-5a53-4ed7-9ee7-ad937cd3e036 ;  
   km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_31260000-973d-45d7-9bb6-755b34ded437 .  
 km-dev:PredicateObjectMap\_e6407059-8369-47e0-9c42-75622ac702a9 rr:objectMap km-  
 dev:RefObjectMap\_31260000-973d-45d7-9bb6-755b34ded437 .  
 km-dev:TriplesMap\_b33beb1d-7618-4a4d-90b5-8054e9189fb6 rr:predicateObjectMap km-  
 dev:PredicateObjectMap\_e6407059-8369-47e0-9c42-75622ac702a9 .  
 km-dev:PredicateObjectMap\_e6407059-8369-47e0-9c42-75622ac702a9 a rr:PredicateObjectMap ;  
   km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_e6407059-8369-47e0-9c42-  
 75622ac702a9 .  
 km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 a rr:TriplesMap .  
 \_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 .  
 km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx25 rr:tableName "44phonemes-modified.csv" ;  
   a rr:LogicalTable ;  
   km-dev:isPartOfMapping \_:node1fcd3vmdx1 .  
 \_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx25 .  
 km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 rr:logicalTable \_:node1fcd3vmdx25 ;  
   rr:subjectMap \_:node1fcd3vmdx26 .  
 \_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx26 .  
 \_:node1fcd3vmdx26 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
   a rr:SubjectMap ;  
   km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme4" ;  
   rr:class cco:Grapheme ;  
   rr:template "{g4-uri}" .

km-dev:PredicateObjectMap\_d30dcf52-e0b4-4586-b7a7-8fae1dbc6054 rr:predicate  
cco:is\_a\_nominal\_measurement\_of .

km-dev:RefObjectMap\_703bce0c-7b0c-4a10-83c3-f9feace9b846 a rr:RefObjectMap , rr:ObjectMap ;  
rr:parentTriplesMap km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 ;  
km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_703bce0c-7b0c-4a10-83c3-f9feace9b846 .

km-dev:PredicateObjectMap\_d30dcf52-e0b4-4586-b7a7-8fae1dbc6054 rr:objectMap km-  
dev:RefObjectMap\_703bce0c-7b0c-4a10-83c3-f9feace9b846 .

km-dev:TriplesMap\_4dee93f4-f026-412d-8ae9-019ca3727099 rr:predicateObjectMap km-  
dev:PredicateObjectMap\_d30dcf52-e0b4-4586-b7a7-8fae1dbc6054 .

km-dev:PredicateObjectMap\_d30dcf52-e0b4-4586-b7a7-8fae1dbc6054 a rr:PredicateObjectMap ;  
km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_d30dcf52-e0b4-4586-b7a7-  
8fae1dbc6054 .

km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 a rr:TriplesMap .

\_:node1ficd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 .

km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx27 rr:tableName "44phonemes-modified.csv" ;  
a rr:LogicalTable ;  
km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasLogicalTable \_:node1ficd3vmdx27 .

km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 rr:logicalTable \_:node1ficd3vmdx27 ;  
rr:subjectMap \_:node1ficd3vmdx28 .

\_:node1ficd3vmdx1 km-dev:hasSubjectMap \_:node1ficd3vmdx28 .

\_:node1ficd3vmdx28 km-dev:isPartOfMapping \_:node1ficd3vmdx1 ;  
a rr:SubjectMap ;  
km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme5" ;  
rr:class cco:Grapheme ;  
rr:template "{g5-uri}" .

km-dev:PredicateObjectMap\_b89af5b4-3216-4cc8-83a7-8e179bfaad28 rr:predicate  
cco:is\_a\_nominal\_measurement\_of .

km-dev:RefObjectMap\_7ca1cc1c-46e1-4285-ba96-248e1b7078cd a rr:RefObjectMap , rr:ObjectMap ;  
rr:parentTriplesMap km-dev:TriplesMap\_a56f0e1d-af13-42db-85cd-f90bdf13d62 ;  
km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1ficd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_7ca1cc1c-46e1-4285-ba96-248e1b7078cd .

km-dev:PredicateObjectMap\_b89af5b4-3216-4cc8-83a7-8e179bfaad28 rr:objectMap km-  
dev:RefObjectMap\_7ca1cc1c-46e1-4285-ba96-248e1b7078cd .

km-dev:TriplesMap\_14036a16-77fa-45c9-b981-6bcac13e5491 rr:predicateObjectMap km-  
dev:PredicateObjectMap\_b89af5b4-3216-4cc8-83a7-8e179bfaad28 .

km-dev:PredicateObjectMap\_b89af5b4-3216-4cc8-83a7-8e179bfaad28 a rr:PredicateObjectMap ;  
km-dev:isPartOfMapping \_:node1ficd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_b89af5b4-3216-4cc8-83a7-8e179bfaad28 .

km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 .

km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx29 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx29 .

km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 rr:logicalTable \_:node1fcd3vmdx29 ;  
 rr:subjectMap \_:node1fcd3vmdx30 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx30 .

\_:node1fcd3vmdx30 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
 a rr:SubjectMap ;  
 km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme6" ;  
 rr:class cco:Grapheme ;  
 rr:template "{g6-uri}" .

km-dev:PredicateObjectMap\_8dbcd601-e5d8-40f4-aae1-30f0cbe24cbc rr:predicate  
 cco:is\_a\_nominal\_measurement\_of .

km-dev:RefObjectMap\_b777faa9-0452-45b9-afeb-c3cd08d19dbe a rr:RefObjectMap , rr:ObjectMap ;  
 rr:parentTriplesMap km-dev:TriplesMap\_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap\_b777faa9-0452-45b9-afeb-c3cd08d19dbe .

km-dev:PredicateObjectMap\_8dbcd601-e5d8-40f4-aae1-30f0cbe24cbc rr:objectMap km-  
 dev:RefObjectMap\_b777faa9-0452-45b9-afeb-c3cd08d19dbe .

km-dev:TriplesMap\_7d49c1f5-076e-4813-b40c-6990bd5825b8 rr:predicateObjectMap km-  
 dev:PredicateObjectMap\_8dbcd601-e5d8-40f4-aae1-30f0cbe24cbc .

km-dev:PredicateObjectMap\_8dbcd601-e5d8-40f4-aae1-30f0cbe24cbc a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_8dbcd601-e5d8-40f4-aae1-30f0cbe24cbc .

km-dev:TriplesMap\_7208f276-fc9e-4302-a3dd-f59c0b47474e a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_7208f276-fc9e-4302-a3dd-f59c0b47474e .

km-dev:TriplesMap\_7208f276-fc9e-4302-a3dd-f59c0b47474e km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx31 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx31 .

km-dev:TriplesMap\_7208f276-fc9e-4302-a3dd-f59c0b47474e rr:logicalTable \_:node1fcd3vmdx31 ;  
 rr:subjectMap \_:node1fcd3vmdx32 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx32 .

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_:node1ficd3vmdx32 km-dev:isPartOfMapping _:node1ficd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Grapheme7" ;
  rr:class cco:Grapheme ;
  rr:template "{g7-uri}" .

km-dev:PredicateObjectMap_d3473a03-a09b-4751-8e0e-3e28e2bcf2bd rr:predicate
cco:is_a_nominal_measurement_of .

km-dev:RefObjectMap_e41dd2be-1e87-48f5-a055-9c16d200412c a rr:RefObjectMap , rr:ObjectMap ;
  rr:parentTriplesMap km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_e41dd2be-1e87-48f5-a055-9c16d200412c .

km-dev:PredicateObjectMap_d3473a03-a09b-4751-8e0e-3e28e2bcf2bd rr:objectMap km-
dev:RefObjectMap_e41dd2be-1e87-48f5-a055-9c16d200412c .

km-dev:TriplesMap_7208f276-fc9e-4302-a3dd-f59c0b47474e rr:predicateObjectMap km-
dev:PredicateObjectMap_d3473a03-a09b-4751-8e0e-3e28e2bcf2bd .

km-dev:PredicateObjectMap_d3473a03-a09b-4751-8e0e-3e28e2bcf2bd a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_d3473a03-a09b-4751-8e0e-
3e28e2bcf2bd .

km-dev:TriplesMap_311f850b-1796-417a-b683-0f31a8ab4126 a rr:TriplesMap .

_:node1ficd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_311f850b-1796-417a-b683-0f31a8ab4126 .

km-dev:TriplesMap_311f850b-1796-417a-b683-0f31a8ab4126 km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx33 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasLogicalTable _:node1ficd3vmdx33 .

km-dev:TriplesMap_311f850b-1796-417a-b683-0f31a8ab4126 rr:logicalTable _:node1ficd3vmdx33 ;
  rr:subjectMap _:node1ficd3vmdx34 .

_:node1ficd3vmdx1 km-dev:hasSubjectMap _:node1ficd3vmdx34 .

_:node1ficd3vmdx34 km-dev:isPartOfMapping _:node1ficd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId
"http://www.ontologyrepository.com/CommonCoreOntologies/IPAPhonemeDesignator1" ;
  rr:class cco:IPAPhonemeDesignator ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:IPAPhonemeDesignator1" .

km-dev:PredicateObjectMap_0098ede8-48f1-4498-9708-f48fad1ea0a2 rr:predicate cco:has_text_value .

_:node1ficd3vmdx35 rr:column "Phoneme" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasObjectMap _:node1ficd3vmdx35 .

km-dev:PredicateObjectMap_0098ede8-48f1-4498-9708-f48fad1ea0a2 rr:objectMap _:node1ficd3vmdx35 .

```

km-dev:TriplesMap\_311f850b-1796-417a-b683-0f31a8ab4126 rr:predicateObjectMap km-dev:PredicateObjectMap\_0098ede8-48f1-4498-9708-f48fad1ea0a2 .

km-dev:PredicateObjectMap\_0098ede8-48f1-4498-9708-f48fad1ea0a2 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_0098ede8-48f1-4498-9708-f48fad1ea0a2 .

km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 .

km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx36 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx36 .

km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 rr:logicalTable \_:node1fcd3vmdx36 ;  
 rr:subjectMap \_:node1fcd3vmdx37 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx37 .

\_:node1fcd3vmdx37 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
 a rr:SubjectMap ;  
 km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph1" ;  
 rr:class cco:Glyph ;  
 rr:termType rr:BlankNode ;  
 km-dev:namePrefix "cco:Glyph1" .

km-dev:PredicateObjectMap\_e522faae-e709-4ecd-83e0-fe60e37f44ec rr:predicate cco:has\_text\_value .

\_:node1fcd3vmdx38 rr:column "Graphemes: G1" ;  
 a rr:ObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap \_:node1fcd3vmdx38 .

km-dev:PredicateObjectMap\_e522faae-e709-4ecd-83e0-fe60e37f44ec rr:objectMap \_:node1fcd3vmdx38 .

km-dev:TriplesMap\_694fd2f6-0db0-4496-a252-5940a1aaf9a8 rr:predicateObjectMap km-dev:PredicateObjectMap\_e522faae-e709-4ecd-83e0-fe60e37f44ec .

km-dev:PredicateObjectMap\_e522faae-e709-4ecd-83e0-fe60e37f44ec a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_e522faae-e709-4ecd-83e0-fe60e37f44ec .

km-dev:TriplesMap\_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 .

km-dev:TriplesMap\_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx39 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx39 .

```

km-dev:TriplesMap_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 rr:logicalTable _:node1ficd3vmdx39 ;
  rr:subjectMap _:node1ficd3vmdx40 .

_:node1ficd3vmdx1 km-dev:hasSubjectMap _:node1ficd3vmdx40 .

_:node1ficd3vmdx40 km-dev:isPartOfMapping _:node1ficd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph2" ;
  rr:class cco:Glyph ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:Glyph2" .

km-dev:PredicateObjectMap_bcc8ea4f-c126-4c5c-b441-f5f9a8b4b5f1 rr:predicate cco:has_text_value .

_:node1ficd3vmdx41 rr:column "G2" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasObjectMap _:node1ficd3vmdx41 .

km-dev:PredicateObjectMap_bcc8ea4f-c126-4c5c-b441-f5f9a8b4b5f1 rr:objectMap _:node1ficd3vmdx41 .

km-dev:TriplesMap_b4b6a7ba-4b7e-426e-abe4-4a83c71c85f2 rr:predicateObjectMap km-dev:PredicateObjectMap_bcc8ea4f-c126-4c5c-b441-f5f9a8b4b5f1 .

km-dev:PredicateObjectMap_bcc8ea4f-c126-4c5c-b441-f5f9a8b4b5f1 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_bcc8ea4f-c126-4c5c-b441-f5f9a8b4b5f1 .

km-dev:TriplesMap_611652cc-5a53-4ed7-9ee7-ad937cd3e036 a rr:TriplesMap .

_:node1ficd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_611652cc-5a53-4ed7-9ee7-ad937cd3e036 .

km-dev:TriplesMap_611652cc-5a53-4ed7-9ee7-ad937cd3e036 km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx42 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasLogicalTable _:node1ficd3vmdx42 .

km-dev:TriplesMap_611652cc-5a53-4ed7-9ee7-ad937cd3e036 rr:logicalTable _:node1ficd3vmdx42 ;
  rr:subjectMap _:node1ficd3vmdx43 .

_:node1ficd3vmdx1 km-dev:hasSubjectMap _:node1ficd3vmdx43 .

_:node1ficd3vmdx43 km-dev:isPartOfMapping _:node1ficd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph3" ;
  rr:class cco:Glyph ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:Glyph3" .

km-dev:PredicateObjectMap_8f7cc9ed-6537-4a0f-a93d-784c6bf0f75d rr:predicate cco:has_text_value .

_:node1ficd3vmdx44 rr:column "G3" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1ficd3vmdx1 .

_:node1ficd3vmdx1 km-dev:hasObjectMap _:node1ficd3vmdx44 .

```

km-dev:PredicateObjectMap\_8f7cc9ed-6537-4a0f-a93d-784c6bf0f75d rr:objectMap \_:node1fcd3vmdx44 .

km-dev:TriplesMap\_611652cc-5a53-4ed7-9ee7-ad937cd3e036 rr:predicateObjectMap km-dev:PredicateObjectMap\_8f7cc9ed-6537-4a0f-a93d-784c6bf0f75d .

km-dev:PredicateObjectMap\_8f7cc9ed-6537-4a0f-a93d-784c6bf0f75d a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_8f7cc9ed-6537-4a0f-a93d-784c6bf0f75d .

km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 .

km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx45 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasLogicalTable \_:node1fcd3vmdx45 .

km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 rr:logicalTable \_:node1fcd3vmdx45 ;  
 rr:subjectMap \_:node1fcd3vmdx46 .

\_:node1fcd3vmdx1 km-dev:hasSubjectMap \_:node1fcd3vmdx46 .

\_:node1fcd3vmdx46 km-dev:isPartOfMapping \_:node1fcd3vmdx1 ;  
 a rr:SubjectMap ;  
 km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph4" ;  
 rr:class cco:Glyph ;  
 rr:termType rr:BlankNode ;  
 km-dev:namePrefix "cco:Glyph4" .

km-dev:PredicateObjectMap\_0155c434-a2ed-4dbb-bdcf-bf84cddf5cf4 rr:predicate cco:has\_text\_value .

\_:node1fcd3vmdx47 rr:column "G4" ;  
 a rr:ObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasObjectMap \_:node1fcd3vmdx47 .

km-dev:PredicateObjectMap\_0155c434-a2ed-4dbb-bdcf-bf84cddf5cf4 rr:objectMap \_:node1fcd3vmdx47 .

km-dev:TriplesMap\_1ef5070d-85c7-4661-b4b0-ff0add5d2474 rr:predicateObjectMap km-dev:PredicateObjectMap\_0155c434-a2ed-4dbb-bdcf-bf84cddf5cf4 .

km-dev:PredicateObjectMap\_0155c434-a2ed-4dbb-bdcf-bf84cddf5cf4 a rr:PredicateObjectMap ;  
 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap\_0155c434-a2ed-4dbb-bdcf-bf84cddf5cf4 .

km-dev:TriplesMap\_a56f0e1d-af13-42db-85cd-f90bdf13d62 a rr:TriplesMap .

\_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap\_a56f0e1d-af13-42db-85cd-f90bdf13d62 .

km-dev:TriplesMap\_a56f0e1d-af13-42db-85cd-f90bdf13d62 km-dev:isPartOfMapping \_:node1fcd3vmdx1 .

\_:node1fcd3vmdx48 rr:tableName "44phonemes-modified.csv" ;  
 a rr:LogicalTable ;

```

km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx48 .

km-dev:TriplesMap_a56f0e1d-af13-42db-85cd-f90bdf13d62 rr:logicalTable _:node1fcd3vmdx48 ;
  rr:subjectMap _:node1fcd3vmdx49 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx49 .

_:node1fcd3vmdx49 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph5" ;
  rr:class cco:Glyph ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:Glyph5" .

km-dev:PredicateObjectMap_aab910ab-1140-4e99-bfaf-dd932ebe1019 rr:predicate cco:has_text_value .

_:node1fcd3vmdx50 rr:column "G5" ;
  a rr:ObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap _:node1fcd3vmdx50 .

km-dev:PredicateObjectMap_aab910ab-1140-4e99-bfaf-dd932ebe1019 rr:objectMap _:node1fcd3vmdx50 .

km-dev:TriplesMap_a56f0e1d-af13-42db-85cd-f90bdf13d62 rr:predicateObjectMap km-dev:PredicateObjectMap_aab910ab-1140-4e99-bfaf-dd932ebe1019 .

km-dev:PredicateObjectMap_aab910ab-1140-4e99-bfaf-dd932ebe1019 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_aab910ab-1140-4e99-bfaf-dd932ebe1019 .

km-dev:TriplesMap_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa .

km-dev:TriplesMap_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx51 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx51 .

km-dev:TriplesMap_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa rr:logicalTable _:node1fcd3vmdx51 ;
  rr:subjectMap _:node1fcd3vmdx52 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx52 .

_:node1fcd3vmdx52 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph6" ;
  rr:class cco:Glyph ;
  rr:termType rr:BlankNode ;
  km-dev:namePrefix "cco:Glyph6" .

km-dev:PredicateObjectMap_fe2cbee7-fd4b-4033-b9cd-4d463b1562e1 rr:predicate cco:has_text_value .

_:node1fcd3vmdx53 rr:column "G6" ;
  a rr:ObjectMap ;

```

```

km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap _:node1fcd3vmdx53 .

km-dev:PredicateObjectMap_fe2cbee7-fd4b-4033-b9cd-4d463b1562e1 rr:objectMap _:node1fcd3vmdx53 .

km-dev:TriplesMap_1b91b876-44c8-47f0-89ad-3b9c77e1cfaa rr:predicateObjectMap km-
dev:PredicateObjectMap_fe2cbee7-fd4b-4033-b9cd-4d463b1562e1 .

km-dev:PredicateObjectMap_fe2cbee7-fd4b-4033-b9cd-4d463b1562e1 a rr:PredicateObjectMap ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_fe2cbee7-fd4b-4033-b9cd-
4d463b1562e1 .

km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c .

km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx54 rr:tableName "44phonemes-modified.csv" ;
    a rr:LogicalTable ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx54 .

km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c rr:logicalTable _:node1fcd3vmdx54 ;
    rr:subjectMap _:node1fcd3vmdx55 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx55 .

_:node1fcd3vmdx55 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
    a rr:SubjectMap ;
    km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Glyph7" ;
    rr:class cco:Glyph ;
    rr:termType rr:BlankNode ;
    km-dev:namePrefix "cco:Glyph7" .

km-dev:PredicateObjectMap_dfc4877a-5efc-44a4-8802-9c58ea4135b6 rr:predicate cco:has_text_value .

_:node1fcd3vmdx56 rr:column "G7" ;
    a rr:ObjectMap ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap _:node1fcd3vmdx56 .

km-dev:PredicateObjectMap_dfc4877a-5efc-44a4-8802-9c58ea4135b6 rr:objectMap _:node1fcd3vmdx56 .

km-dev:TriplesMap_5bd7e570-18ef-4e48-aab8-854d12a1e89c rr:predicateObjectMap km-
dev:PredicateObjectMap_dfc4877a-5efc-44a4-8802-9c58ea4135b6 .

km-dev:PredicateObjectMap_dfc4877a-5efc-44a4-8802-9c58ea4135b6 a rr:PredicateObjectMap ;
    km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_dfc4877a-5efc-44a4-8802-
9c58ea4135b6 .

km-dev:TriplesMap_5a2f24ed-12c5-4c8c-94b8-893544532619 a rr:TriplesMap .

_:node1fcd3vmdx1 km-dev:hasTriplesMap km-dev:TriplesMap_5a2f24ed-12c5-4c8c-94b8-893544532619 .

km-dev:TriplesMap_5a2f24ed-12c5-4c8c-94b8-893544532619 km-dev:isPartOfMapping _:node1fcd3vmdx1 .

```

```

_:node1fcd3vmdx57 rr:tableName "44phonemes-modified.csv" ;
  a rr:LogicalTable ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasLogicalTable _:node1fcd3vmdx57 .

km-dev:TriplesMap_5a2f24ed-12c5-4c8c-94b8-893544532619 rr:logicalTable _:node1fcd3vmdx57 ;
  rr:subjectMap _:node1fcd3vmdx58 .

_:node1fcd3vmdx1 km-dev:hasSubjectMap _:node1fcd3vmdx58 .

_:node1fcd3vmdx58 km-dev:isPartOfMapping _:node1fcd3vmdx1 ;
  a rr:SubjectMap ;
  km-dev:alignmentNodeId "http://www.ontologyrepository.com/CommonCoreOntologies/Phone1" ;
  rr:class cco:Phone ;
  rr:template "{phone_ID}" ;
  a km-dev:steinerTreeRootNode .

km-dev:PredicateObjectMap_10ca6fe5-0d40-47d4-af53-3a19634ac223 rr:predicate
cco:is_measured_by_nominal .

km-dev:RefObjectMap_c276dfed-249d-4801-81d7-1a2f007ce2b3 a rr:RefObjectMap , rr:ObjectMap ;
  rr:parentTriplesMap km-dev:TriplesMap_986d34b2-82af-440c-81cc-05252d745082 ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasObjectMap km-dev:RefObjectMap_c276dfed-249d-4801-81d7-1a2f007ce2b3 .

km-dev:PredicateObjectMap_10ca6fe5-0d40-47d4-af53-3a19634ac223 rr:objectMap km-
dev:RefObjectMap_c276dfed-249d-4801-81d7-1a2f007ce2b3 .

km-dev:TriplesMap_5a2f24ed-12c5-4c8c-94b8-893544532619 rr:predicateObjectMap km-
dev:PredicateObjectMap_10ca6fe5-0d40-47d4-af53-3a19634ac223 .

km-dev:PredicateObjectMap_10ca6fe5-0d40-47d4-af53-3a19634ac223 a rr:PredicateObjectMap ;
  km-dev:isPartOfMapping _:node1fcd3vmdx1 .

_:node1fcd3vmdx1 km-dev:hasPredicateObjectMap km-dev:PredicateObjectMap_10ca6fe5-0d40-47d4-af53-
3a19634ac223 .

```

