

Appendix 1 - Tongue Twister Configuration

```
{
  "Tree": "(Latin,(Romanian,(((Walloon,French),(((Portuguese,PortugueseBrazil),Spanish),
Catalan)),(Friulian,Italian))))";
  "NumberOfStates": 90,
  "McmcSettings": {
    "OnlyCompleteWords": "No",
    "Model": "Custom",
    "CalcMarginal": "No",
    "UseEigenSystem": "No",
    "NumCycles": 1000000,
    "PrintFreq": 1,
    "SampleFreq": 100,
    "TreeLengthPriorVal": 0.15
  },
  "Taxa": ["Latin", "French", "Spanish", "Italian", "PortugueseBrazil", "Portuguese", "Catalan",
"Walloon", "Friulian", "Romanian"],
  "PriorFrequencies": [2.001820,0.955414,4.367607,4.185623,3.548681,3.912648,2.775250,
2.866242,1.182894,0.090992,4.094631,0.136488,1.683348,4.003640,3.093722,2.001820,0.864422,
2.729754,0.227480,0.227480,1.455869,2.092812,1.910828,1.592357,1.000910,0.045496,3.093722,
0.090992,0.818926,0.045496,0.045496,0.727934,0.045496,3.048226,3.912648,1.364877,1.683348,
0.227480,0.955414,4.094631,0.045496,1.364877,0.045496,0.045496,0.181984,0.045496,0.045496,
3.730664,0.500455,2.547771,1.228389,0.045496,0.363967,0.045496,0.636943,0.045496,0.500455,
0.454959,0.045496,0.318471,1.319381,0.090992,0.272975,2.593267,0.045496,0.045496,0.454959,
0.090992,0.045496,0.045496,0.272975,2.866242,0.363967,0.136488,0.045496,0.045496,0.045496,
0.136488,0.682439,0.500455,0.727934,0.545951,0.636943,0.545951,0.727934,0.454959,0.045496,
0.045496,0.090992,0.636943],
  "PartitionSets": [{"Name": "e", "Set": [1, 6]},{ "Name": "i", "Set": [3, 20]},{ "Name": "a", "Set":
[5, 41]},{ "Name": "u", "Set": [13, 60]},{ "Name": "o", "Set": [17, 38]},{ "Name": "ε", "Set": [12,
79]},{ "Name": "ø", "Set": [73, 88]},{ "Name": "Nasal Vowel", "Set": [27, 28, 29, 32, 42, 48, 52, 53,
56, 72, 84, 87]},{ "Name": "Vowel", "Set": [9, 11, 23, 24, 25, 31, 43, 45, 46, 51, 55, 59, 62, 64,
65, 69, 74, 76, 78, 89]},{ "Name": "Nasal Consonant", "Set": [2, 4, 22, 71, 86]},{ "Name": "Non
Syllabic Sonorant", "Set": [10, 14, 15, 47]},{ "Name": "Consonant", "Set": [0, 7, 8, 16, 18, 19, 21,
26, 30, 33, 34, 35, 36, 37, 39, 40, 44, 49, 50, 54, 57, 58, 61, 63, 66, 67, 68, 70, 75, 77, 80,
81, 82, 83, 85]}],
  "Words": [
    {"Name": "Woman-Primary", "Data": [
      {"Taxon": "Latin", "Segments": [0, 1, -1, 2, 3, -1, 4, -1, 5]},
      {"Taxon": "French", "Segments": [0, 5, -1, 2, -1, -1, -1, -1, -1]},
      {"Taxon": "Spanish", "Segments": [-1, 6, -1, 2, -1, 7, 8, -1, 5]},
      {"Taxon": "Italian", "Segments": [0, 6, 2, 2, 3, -1, 4, -1, 5]},
      {"Taxon": "PortugueseBrazil", "Segments": [0, 6, -1, 2, 6, -1, -1, -1, 9]},
      {"Taxon": "Portuguese", "Segments": [0, 6, -1, 2, 10, -1, -1, -1, 9]},
      {"Taxon": "Catalan", "Segments": [0, 6, -1, 2, -1, 7, 8, -1, 5]},
      {"Taxon": "Walloon", "Segments": [0, 11, -1, 2, -1, -1, -1, -1, -1]},
      {"Taxon": "Friulian", "Segments": [0, 12, -1, 2, 3, -1, 4, -1, 6]},
      {"Taxon": "Romanian", "Segments": [0, 6, -1, 2, 6, -1, -1, 10, 6]}
    ]},
    {"Name": "Woman-Mulier", "Data": [
      {"Taxon": "Latin", "Segments": [2, 13, 14, 3, 6, 15, 6, 2]},
      {"Taxon": "Spanish", "Segments": [2, 13, 16, -1, 6, 8, -1, -1]},
      {"Taxon": "Italian", "Segments": [2, 17, 18, 18, 6, -1, -1, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [2, 13, 18, -1, 6, 19, -1, -1]},
      {"Taxon": "Portuguese", "Segments": [2, 13, 18, -1, 6, 8, -1, -1]},
      {"Taxon": "Catalan", "Segments": [2, 13, 18, -1, 6, -1, -1, -1]},
      {"Taxon": "Friulian", "Segments": [2, 13, -1, -1, 20, 15, -1, -1]},
      {"Taxon": "Romanian", "Segments": [2, 13, -1, 10, 6, 15, 6, -1]}
    ]}
  ]
}
```

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```
}},
{"Name": "Woman-Domina", "Data": [
  {"Taxon": "Latin", "Segments": [21, 17, 2, 3, 4, 5]},
  {"Taxon": "French", "Segments": [21, 5, 2, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [21, 17, -1, -1, 22, 5]},
  {"Taxon": "Italian", "Segments": [21, 23, 4, -1, 4, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 17, -1, -1, 4, 9]},
  {"Taxon": "Portuguese", "Segments": [21, 17, -1, -1, 4, 9]},
  {"Taxon": "Catalan", "Segments": [21, 23, -1, -1, 4, 24]},
  {"Taxon": "Walloon", "Segments": [21, 5, 2, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [21, 23, -1, -1, 4, 6]},
  {"Taxon": "Romanian", "Segments": [21, 25, 2, -1, 4, 24]}
]},
{"Name": "Child-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [3, 4, 0, 5, 4, 26, 6, 2]},
  {"Taxon": "French", "Segments": [27, -1, 0, 27, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [3, 4, 0, 5, 4, 26, 6, -1]},
  {"Taxon": "Italian", "Segments": [-1, -1, 0, 5, 4, 26, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 0, 29, -1, 30, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [28, -1, 0, 29, -1, 26, 31, -1]},
  {"Taxon": "Walloon", "Segments": [12, -1, 0, 27, -1, -1, -1, -1]}
]},
{"Name": "Child-Ninnus", "Data": [
  {"Taxon": "Spanish", "Segments": [4, 3, 22, 17]},
  {"Taxon": "Italian", "Segments": [4, 3, 4, 17]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 6, 4, 32]},
  {"Taxon": "Portuguese", "Segments": [4, 6, 4, 32]},
  {"Taxon": "Catalan", "Segments": [4, 6, 4, -1]},
  {"Taxon": "Friulian", "Segments": [4, 3, 4, 3]}
]},
{"Name": "Wife-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 33, 34, 17, 4, 33, 5]},
  {"Taxon": "French", "Segments": [6, -1, 34, 13, -1, 35, -1]},
  {"Taxon": "Spanish", "Segments": [6, 33, 34, 17, -1, 33, 5]},
  {"Taxon": "Italian", "Segments": [-1, 33, 34, 23, -1, 35, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 17, -1, 35, 5]},
  {"Taxon": "Portuguese", "Segments": [31, 36, 34, 17, -1, 35, 9]},
  {"Taxon": "Catalan", "Segments": [24, 33, 34, 23, -1, 35, 24]},
  {"Taxon": "Friulian", "Segments": [-1, 33, 34, 17, -1, 33, 6]}
]},
{"Name": "Husband-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [2, 5, 15, 20, 26, 13, 33]},
  {"Taxon": "French", "Segments": [2, 5, 19, 3, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [2, 5, 8, 3, 37, 17, -1]},
  {"Taxon": "Italian", "Segments": [2, 5, 15, 3, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 5, 8, 3, 21, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [2, 9, 8, 3, 37, 13, -1]},
  {"Taxon": "Catalan", "Segments": [2, 5, 8, 3, 26, -1, -1]},
  {"Taxon": "Friulian", "Segments": [2, 5, 15, 20, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [2, 24, 15, 3, 26, -1, -1]}
]},
{"Name": "Husband-Sponsus", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 33, 34, 17, 4, 33, 13, 33]},
  {"Taxon": "French", "Segments": [6, -1, 34, 13, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [6, 33, 34, 17, -1, 33, 17, -1]},
  {"Taxon": "Italian", "Segments": [-1, 33, 34, 23, -1, 35, 17, -1]}
```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 17, -1, 35, 13, -1]},
  "Taxon": "Portuguese",       "Segments": [31, 36, 34, 17, -1, 35, 13, -1]},
  "Taxon": "Catalan",         "Segments": [24, 33, 34, 23, -1, 33, -1, -1]},
  "Taxon": "Friulian",        "Segments": [-1, 33, 34, 38, -1, 33, -1, -1]}
}],
{
  "Name": "Husband-Socius", "Data": [
    {"Taxon": "Latin",       "Segments": [33, 17, 39, 3, 13, 33]},
    {"Taxon": "Italian",     "Segments": [33, 23, 30, -1, 17, -1]},
    {"Taxon": "Romanian",    "Segments": [33, 17, 40, -1, -1, -1]}
  ]
},
{
  "Name": "Mother-Primary", "Data": [
    {"Taxon": "Latin",       "Segments": [2, 41, 26, 15, 6, 2]},
    {"Taxon": "French",      "Segments": [2, 6, -1, 19, -1, -1]},
    {"Taxon": "Spanish",     "Segments": [2, 5, 37, 8, 6, -1]},
    {"Taxon": "Italian",     "Segments": [2, 41, 21, 15, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [2, 42, -1, -1, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [2, 42, -1, -1, -1, -1]},
    {"Taxon": "Catalan",     "Segments": [2, 5, -1, 8, 24, -1]},
    {"Taxon": "Walloon",     "Segments": [2, 6, -1, 15, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [2, 5, -1, 15, 3, -1]}
  ]
},
{
  "Name": "Father-Primary", "Data": [
    {"Taxon": "Latin",       "Segments": [34, 5, 26, 15, 6]},
    {"Taxon": "French",      "Segments": [34, 6, -1, 19, -1]},
    {"Taxon": "Spanish",     "Segments": [34, 5, 37, 8, 6]},
    {"Taxon": "Italian",     "Segments": [34, 41, 21, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, 43, -1, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [34, 43, -1, -1, -1]},
    {"Taxon": "Catalan",     "Segments": [34, 5, -1, 8, 24]},
    {"Taxon": "Walloon",     "Segments": [34, 12, -1, 15, -1]},
    {"Taxon": "Friulian",    "Segments": [34, 5, -1, 15, 3]}
  ]
},
{
  "Name": "Father-Tata", "Data": [
    {"Taxon": "Latin",       "Segments": [26, 5, 26, 5]},
    {"Taxon": "Spanish",     "Segments": [26, 5, 26, 5]},
    {"Taxon": "Italian",     "Segments": [26, 5, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 5, 26, 5]},
    {"Taxon": "Portuguese",  "Segments": [26, 5, 26, 5]},
    {"Taxon": "Friulian",    "Segments": [26, 5, 26, 6]},
    {"Taxon": "Romanian",    "Segments": [26, 5, 26, 24]}
  ]
},
{
  "Name": "Animal-Primary", "Data": [
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    {"Taxon": "French",      "Segments": [17, -1, -1, 2, 5, -1, 10, -1]},
    {"Taxon": "Spanish",     "Segments": [5, 14, 3, 2, 5, 22, -1, 5]},
    {"Taxon": "Friulian",    "Segments": [-1, 4, 6, 2, 41, 14, -1, -1]},
    {"Taxon": "Romanian",    "Segments": [-1, 4, 24, 2, 5, -1, 10, 6]}
  ]
},
{
  "Name": "Animal-Bestia", "Data": [
    {"Taxon": "Latin",       "Segments": [7, -1, 1, 33, 26, 3, 5]},
    {"Taxon": "Italian",     "Segments": [7, -1, 3, 36, 36, -1, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 3, -1, 36, -1, 9]},
    {"Taxon": "Portuguese",  "Segments": [7, -1, 3, -1, 36, -1, 9]},
    {"Taxon": "Walloon",     "Segments": [7, 3, 12, 33, -1, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [7, -1, 3, 33, -1, -1, -1]}
  ]
},
]
```

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```
{
  "Name": "Fish-Piskem", "Data": [
    { "Taxon": "Latin", "Segments": [34, 3, 33, 39, 6, 2]},
    { "Taxon": "Spanish", "Segments": [34, 6, 44, -1, -1, -1]},
    { "Taxon": "Italian", "Segments": [34, 6, 36, 36, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [34, 45, 36, -1, 3, -1]},
    { "Taxon": "Portuguese", "Segments": [34, 46, 36, -1, 31, -1]},
    { "Taxon": "Catalan", "Segments": [34, 6, 36, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [34, 12, 33, -1, -1, -1]},
    { "Taxon": "Romanian", "Segments": [34, 6, 36, 26, 6, -1]}
  ]
},
{
  "Name": "Fish-Pescion", "Data": [
    { "Taxon": "French", "Segments": [34, 47, 5, 33, 48]},
    { "Taxon": "Walloon", "Segments": [34, -1, 12, 49, 48]}
  ]
},
{
  "Name": "Bird-Avem", "Data": [
    { "Taxon": "Latin", "Segments": [5, 47, 6, 2]},
    { "Taxon": "Spanish", "Segments": [5, 7, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [5, 50, 3, -1]},
    { "Taxon": "Portuguese", "Segments": [5, 50, 31, -1]},
    { "Taxon": "Catalan", "Segments": [5, 47, -1, -1]}
  ]
},
{
  "Name": "Bird-Aucellum", "Data": [
    { "Taxon": "Latin", "Segments": [-1, 51, 39, -1, 6, 14, 14, 13, 33]},
    { "Taxon": "French", "Segments": [47, 5, 35, -1, 17, -1, -1, -1, -1]},
    { "Taxon": "Italian", "Segments": [-1, 13, 26, 30, 12, 14, 14, 17, -1]},
    { "Taxon": "Catalan", "Segments": [-1, 13, 33, -1, 6, -1, 18, -1, -1]},
    { "Taxon": "Walloon", "Segments": [-1, 13, 49, -1, 12, -1, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [-1, 13, 30, 10, 12, -1, 14, -1, -1]}
  ]
},
{
  "Name": "Bird-Passerem", "Data": [
    { "Taxon": "Latin", "Segments": [34, 5, 33, 33, 6, 15, 6, 2]},
    { "Taxon": "Spanish", "Segments": [34, 5, -1, 16, 5, 8, 17, -1]},
    { "Taxon": "Italian", "Segments": [34, 5, 33, 33, 6, 15, 17, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [34, 5, -1, 33, 9, 8, 13, -1]},
    { "Taxon": "Portuguese", "Segments": [34, 5, -1, 33, 9, 8, 13, -1]},
    { "Taxon": "Friulian", "Segments": [34, 5, -1, 33, 5, 15, -1, -1]},
    { "Taxon": "Romanian", "Segments": [34, 5, -1, 33, 24, 8, 6, -1]}
  ]
},
{
  "Name": "Dog-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [39, -1, 5, 4, 6, 2]},
    { "Taxon": "French", "Segments": [36, 10, 52, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [39, -1, 5, 4, -1, -1]},
    { "Taxon": "Italian", "Segments": [39, -1, 5, 4, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [39, -1, 53, -1, -1, -1]},
    { "Taxon": "Portuguese", "Segments": [39, -1, 53, -1, -1, -1]},
    { "Taxon": "Catalan", "Segments": [39, -1, 5, -1, -1, -1]},
    { "Taxon": "Walloon", "Segments": [30, -1, 52, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [54, -1, 5, 4, -1, -1]},
    { "Taxon": "Romanian", "Segments": [39, -1, 55, 4, 6, -1]}
  ]
},
{
  "Name": "Louse-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [34, -1, 6, 21, 13, -1, 39, 14, 13, 33]},
    { "Taxon": "French", "Segments": [34, -1, 13, -1, -1, -1, -1, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [34, 10, 17, -1, -1, -1, 16, -1, 17, -1]},
    { "Taxon": "Italian", "Segments": [34, -1, 3, 21, 23, 39, 39, 10, 17, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [34, -1, 3, -1, 17, -1, 18, 13, -1, -1]},
  ]
}
```

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{"Taxon": "Portuguese", "Segments": [34, -1, 3, -1, 17, -1, 18, 13, -1, -1]},
{"Taxon": "Catalan", "Segments": [34, -1, 17, -1, -1, -1, 18, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [34, 10, 13, -1, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [34, -1, 6, 21, 38, -1, 14, 3, -1, -1]},
{"Taxon": "Romanian", "Segments": [34, -1, 24, 21, 13, -1, 39, 10, 6, -1]}
]},
{"Name": "Snake-Primary", "Data": [
{"Taxon": "Latin", "Segments": [33, -1, 6, 15, 34, -1, 6, 4, 26, 6, 2]},
{"Taxon": "French", "Segments": [33, -1, 6, 19, 34, -1, 27, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [33, -1, 6, 8, 34, 10, 6, 4, 26, 6, -1]},
{"Taxon": "Italian", "Segments": [33, -1, 6, 15, 34, -1, 6, 4, 26, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, 19, 34, -1, 56, -1, 30, 3, -1]},
{"Taxon": "Portuguese", "Segments": [33, -1, 31, 8, 34, -1, 56, -1, 26, 31, -1]},
{"Taxon": "Catalan", "Segments": [33, -1, 24, 15, 34, -1, 6, 4, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [33, 10, 12, 15, 34, -1, 56, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [33, -1, 5, 15, 34, -1, 3, 4, 26, -1, -1]},
{"Taxon": "Romanian", "Segments": [36, -1, 5, 8, 34, -1, 6, -1, -1, -1, -1]}
]},
{"Name": "Worm-Primary", "Data": [
{"Taxon": "Latin", "Segments": [47, -1, 6, 15, 2, 6, 2]},
{"Taxon": "French", "Segments": [50, -1, 6, 19, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [7, -1, 6, 8, 2, 6, -1]},
{"Taxon": "Italian", "Segments": [50, -1, 6, 15, 2, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [50, -1, 6, 19, 2, 3, -1]},
{"Taxon": "Portuguese", "Segments": [50, -1, 6, 8, 2, 31, -1]},
{"Taxon": "Catalan", "Segments": [50, -1, 12, 8, 2, -1, -1]},
{"Taxon": "Walloon", "Segments": [50, 10, 6, 15, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [50, 10, 41, 15, -1, -1, -1]},
{"Taxon": "Romanian", "Segments": [50, 10, 6, 15, 2, 6, -1]}
]},
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{"Taxon": "French", "Segments": [5, 19, 7, -1, 19, -1, -1]},
{"Taxon": "Spanish", "Segments": [5, 8, 57, 17, 14, -1, -1]},
{"Taxon": "Italian", "Segments": [5, 14, 7, 6, 8, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [5, 19, 50, 17, 8, 3, -1]},
{"Taxon": "Portuguese", "Segments": [5, 8, 50, 13, 8, 31, -1]},
{"Taxon": "Catalan", "Segments": [5, -1, 7, -1, 8, 24, -1]},
{"Taxon": "Walloon", "Segments": [23, -1, 34, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [5, 15, 7, 13, 14, -1, -1]},
{"Taxon": "Romanian", "Segments": [5, 15, 7, 17, 15, 6, -1]}
]},
{"Name": "Forest-Primary", "Data": [
{"Taxon": "Latin", "Segments": [33, 3, 14, 47, 5]},
{"Taxon": "Spanish", "Segments": [33, 6, 14, 7, 5]},
{"Taxon": "Italian", "Segments": [33, 6, 14, 50, 5]},
{"Taxon": "PortugueseBrazil", "Segments": [33, 12, 47, 50, 5]},
{"Taxon": "Portuguese", "Segments": [33, 12, 58, 50, 9]},
{"Taxon": "Catalan", "Segments": [33, 6, 14, 7, 5]},
{"Taxon": "Friulian", "Segments": [33, 12, 14, 50, 6]}
]},
{"Name": "Stick-Primary", "Data": [
{"Taxon": "Latin", "Segments": [34, 41, 14, 13, 33]},
{"Taxon": "French", "Segments": [34, 5, 14, -1, -1]},
{"Taxon": "Spanish", "Segments": [34, 5, 14, 17, -1]},
{"Taxon": "Italian", "Segments": [34, 5, 14, 17, -1]}
]

```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [34, 5, 47, -1, -1]},
  "Taxon": "Portuguese", "Segments": [34, 5, 47, -1, -1]},
  "Taxon": "Catalan", "Segments": [34, 5, 14, -1, -1]},
  "Taxon": "Walloon", "Segments": [34, 59, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [34, 41, 14, -1, -1]},
  "Taxon": "Romanian", "Segments": [34, 5, 8, -1, -1]}
}],
{
  "Name": "Fruit-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [0, 15, 60, -1, 39, 26, 13, 33]},
    {"Taxon": "French", "Segments": [0, 19, 61, 3, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 8, 13, -1, -1, 26, 17, -1]},
    {"Taxon": "Italian", "Segments": [0, 15, 13, -1, 26, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 8, 13, -1, -1, 26, 9, -1]},
    {"Taxon": "Portuguese", "Segments": [0, 8, 13, -1, -1, 26, 9, -1]},
    {"Taxon": "Catalan", "Segments": [0, 8, 13, 10, -1, 26, -1, -1]},
    {"Taxon": "Walloon", "Segments": [0, 15, 62, -1, -1, 26, -1, -1]},
    {"Taxon": "Friulian", "Segments": [0, 15, 13, -1, -1, 26, -1, -1]},
    {"Taxon": "Romanian", "Segments": [0, 15, 13, -1, 39, 26, -1, -1]}
  ]
},
{
  "Name": "Seed-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [33, 1, 2, 6, 4]},
    {"Taxon": "Italian", "Segments": [33, 6, 2, 6, -1]}
  ]
},
{
  "Name": "Seed-Sementis", "Data": [
    {"Taxon": "Latin", "Segments": [33, 6, 2, -1, 6, 4, 26, 3, 33]},
    {"Taxon": "French", "Segments": [33, 24, 2, -1, 27, -1, -1, -1, 33]},
    {"Taxon": "Spanish", "Segments": [33, 3, 2, 10, 6, 4, 26, 6, -1]},
    {"Taxon": "Italian", "Segments": [33, 6, 2, -1, 6, 4, 26, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 6, 2, -1, 56, -1, 30, 3, -1]},
    {"Taxon": "Portuguese", "Segments": [33, 31, 2, -1, 56, -1, 26, 31, -1]},
    {"Taxon": "Catalan", "Segments": [33, 24, 2, -1, 6, 4, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [33, 3, 2, -1, 56, -1, 33, -1, -1]},
    {"Taxon": "Friulian", "Segments": [33, 6, 2, -1, 12, 4, 30, 12, -1]},
    {"Taxon": "Romanian", "Segments": [33, 24, 2, -1, 31, 4, 30, 24, -1]}
  ]
},
{
  "Name": "Seed-Granum", "Data": [
    {"Taxon": "Latin", "Segments": [63, 15, 41, 4, 13, 2]},
    {"Taxon": "French", "Segments": [63, 19, 12, 4, -1, -1]},
    {"Taxon": "Spanish", "Segments": [63, 8, 5, 4, 17, -1]},
    {"Taxon": "Italian", "Segments": [63, 15, 5, 4, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [63, 8, 53, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [63, 8, 53, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [63, 8, 5, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [63, 15, 3, 4, -1, -1]},
    {"Taxon": "Friulian", "Segments": [63, 15, 5, 4, -1, -1]},
    {"Taxon": "Romanian", "Segments": [63, 15, 64, -1, -1, -1]}
  ]
},
{
  "Name": "Leaf-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [0, -1, 17, 14, 3, 5]},
    {"Taxon": "French", "Segments": [0, -1, 11, 10, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, -1, 17, 16, -1, 5]},
    {"Taxon": "Italian", "Segments": [0, -1, 23, 18, 18, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, -1, 17, 18, -1, 9]},
    {"Taxon": "Portuguese", "Segments": [0, -1, 17, 18, -1, 9]},
    {"Taxon": "Catalan", "Segments": [0, -1, 13, 18, -1, 24]},
    {"Taxon": "Walloon", "Segments": [0, -1, 65, -1, -1, -1]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Friulian",      "Segments": [0, 47, 6, -1, -1, 6]},
  "Taxon": "Romanian",     "Segments": [0, -1, 25, -1, 10, 6]}
}],
{
  "Name": "Leaf-Frondea", "Data": [
    {"Taxon": "Latin",      "Segments": [0, 15, 17, 4, 21, 6, 5]},
    {"Taxon": "Italian",    "Segments": [0, 15, 17, 4, 66, -1, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 8, 48, -1, 33, -1, 9]},
    {"Taxon": "Portuguese",  "Segments": [0, 8, 48, -1, 33, -1, 9]},
    {"Taxon": "Romanian",    "Segments": [0, 8, 13, 4, 35, -1, 24]}
  ]
},
{
  "Name": "Root-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [-1, 15, 41, 21, -1, 20, 39, 6, 2]},
    {"Taxon": "Spanish",    "Segments": [-1, 15, 5, -1, -1, 3, 44, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 19, 5, -1, -1, 3, 33, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [-1, 19, 9, -1, -1, 3, 36, -1, -1]},
    {"Taxon": "Catalan",     "Segments": [24, 15, 12, 14, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [-1, 15, 5, 21, 15, 20, 33, -1, -1]}
  ]
},
{
  "Name": "Root-Radicina", "Data": [
    {"Taxon": "Latin",      "Segments": [15, 41, 21, 20, 39, 20, 4, 5]},
    {"Taxon": "French",     "Segments": [19, 5, -1, -1, 33, 3, 4, -1]},
    {"Taxon": "Walloon",    "Segments": [15, 12, -1, -1, 33, 12, 4, -1]},
    {"Taxon": "Romanian",   "Segments": [15, 24, 21, 24, 30, 3, 4, 24]}
  ]
},
{
  "Name": "BarkOfATree-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 17, 15, 26, 3, 39, 6, 2]},
    {"Taxon": "Italian",    "Segments": [39, 17, 15, 26, 3, 30, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 23, 19, 30, 3, 33, 3, -1]},
    {"Taxon": "Portuguese",  "Segments": [39, 23, 8, 26, 3, 33, 31, -1]}
  ]
},
{
  "Name": "BarkOfATree-Corticea", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 17, 15, 26, 3, -1, 39, 6, 5]},
    {"Taxon": "Spanish",    "Segments": [39, 17, 8, 26, 6, -1, 44, -1, 5]},
    {"Taxon": "Italian",    "Segments": [39, 17, 15, 26, 6, 26, 30, 5, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 17, 19, 30, 3, -1, 33, 9, -1]},
    {"Taxon": "Portuguese",  "Segments": [39, 13, 8, 26, 3, -1, 33, 9, -1]}
  ]
},
{
  "Name": "BarkOfATree-Skortea", "Data": [
    {"Taxon": "Latin",      "Segments": [-1, 33, 39, -1, 17, 15, 26, 6, 5]},
    {"Taxon": "French",     "Segments": [6, -1, 39, -1, 17, 19, 33, -1, -1]},
    {"Taxon": "Italian",    "Segments": [-1, 33, 39, -1, 23, 15, 40, -1, 5]},
    {"Taxon": "Catalan",     "Segments": [24, 33, 39, -1, 23, 15, 33, -1, 24]},
    {"Taxon": "Walloon",    "Segments": [-1, 49, -1, 47, 12, -1, 33, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [-1, 33, 39, 47, 5, 15, 30, -1, 6]},
    {"Taxon": "Romanian",   "Segments": [-1, 33, 39, -1, 25, 8, 40, -1, 24]}
  ]
},
{
  "Name": "Flower-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [0, 14, 38, 15, 6, 2]},
    {"Taxon": "French",     "Segments": [0, 14, 11, 19, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [0, 14, 17, 8, -1, -1]},
    {"Taxon": "Italian",    "Segments": [0, 10, 38, 8, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 14, 17, 19, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [0, 14, 17, 8, -1, -1]},
    {"Taxon": "Catalan",     "Segments": [0, 14, 23, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [0, 14, 11, 15, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [0, 14, 38, 15, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Romanian",      "Segments": [0, 14, 25, 8, 6, -1]}
  ]},
  {"Name": "Grass-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [-1, 49, 6, 15, 7, 5]},
    {"Taxon": "French",       "Segments": [-1, -1, 12, 19, 7, -1]},
    {"Taxon": "Spanish",      "Segments": [67, -1, 6, 8, 7, 5]},
    {"Taxon": "Italian",      "Segments": [-1, -1, 12, 15, 7, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 6, 19, 50, 9]},
    {"Taxon": "Portuguese",   "Segments": [-1, -1, 12, 8, 50, 9]},
    {"Taxon": "Catalan",      "Segments": [-1, -1, 6, 15, 7, 24]},
    {"Taxon": "Walloon",      "Segments": [10, -1, 12, -1, 34, -1]},
    {"Taxon": "Friulian",     "Segments": [10, -1, 6, 15, 7, 6]},
    {"Taxon": "Romanian",     "Segments": [10, -1, 5, 8, 7, 24]}
  ]},
  {"Name": "Grass-Gramen", "Data": [
    {"Taxon": "Latin",        "Segments": [63, 15, 41, 2, 6, 4]},
    {"Taxon": "French",       "Segments": [63, 19, 5, 2, 12, 4]},
    {"Taxon": "Spanish",      "Segments": [63, 8, 5, 2, 5, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [63, 8, 29, 2, 9, -1]},
    {"Taxon": "Portuguese",   "Segments": [63, 8, 9, 2, 9, -1]},
    {"Taxon": "Catalan",      "Segments": [63, 8, 5, 2, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [63, 15, 5, 2, 6, -1]}
  ]},
  {"Name": "Rope-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [0, 60, 4, -1, 6, 2]},
    {"Taxon": "Italian",      "Segments": [0, 13, 4, -1, 6, -1]},
    {"Taxon": "Romanian",     "Segments": [0, 13, 4, 10, 6, -1]}
  ]},
  {"Name": "Rope-Restis", "Data": [
    {"Taxon": "Latin",        "Segments": [15, 6, 33, 26, 6, 2]},
    {"Taxon": "Spanish",      "Segments": [8, -1, 3, 33, 26, 5]},
    {"Taxon": "Italian",      "Segments": [15, -1, 12, 33, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, -1, 12, 36, 30, 3]},
    {"Taxon": "Portuguese",   "Segments": [19, -1, 6, 36, 26, 31]},
    {"Taxon": "Friulian",     "Segments": [15, 10, 6, 33, 26, 6]}
  ]},
  {"Name": "Skin-Primary", "Data": [
    {"Taxon": "French",       "Segments": [39, 47, 5, -1, -1, -1, 4, -1]},
    {"Taxon": "Italian",      "Segments": [39, -1, 17, 26, 6, 4, 4, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 17, 68, 3, -1, -1, 9]},
    {"Taxon": "Portuguese",   "Segments": [39, -1, 17, 21, 3, -1, -1, 9]},
    {"Taxon": "Catalan",      "Segments": [39, -1, 17, -1, -1, 4, 4, 24]},
    {"Taxon": "Walloon",      "Segments": [39, -1, 69, 3, -1, 4, -1, -1]}
  ]},
  {"Name": "Skin-Pellis", "Data": [
    {"Taxon": "Latin",        "Segments": [34, -1, 6, 14, 14, 6, 2]},
    {"Taxon": "French",       "Segments": [34, -1, 17, -1, -1, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [34, 10, 6, -1, 14, -1, -1]},
    {"Taxon": "Italian",      "Segments": [34, -1, 6, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 12, -1, 14, 3, -1]},
    {"Taxon": "Portuguese",   "Segments": [34, -1, 6, -1, 14, 31, -1]},
    {"Taxon": "Catalan",      "Segments": [34, -1, 6, -1, 18, -1, -1]},
    {"Taxon": "Walloon",      "Segments": [34, 12, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [34, 10, 12, -1, 14, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [34, 10, 6, -1, 14, 6, -1]}
  ]},
  ]},

```


Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Meat-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [39, 5, 15, 4, 6, 2]},
    { "Taxon": "French", "Segments": [36, 12, 19, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [39, 5, 8, 4, 6, -1]},
    { "Taxon": "Italian", "Segments": [39, 5, 15, 4, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [39, 5, 19, 4, 3, -1]},
    { "Taxon": "Portuguese", "Segments": [39, 5, 8, 4, 31, -1]},
    { "Taxon": "Catalan", "Segments": [39, 5, 15, 4, -1, -1]},
    { "Taxon": "Walloon", "Segments": [30, 59, 15, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [54, 41, 15, -1, -1, -1]},
    { "Taxon": "Romanian", "Segments": [39, 5, 8, 4, 6, -1]}
  ]
},
{
  "Name": "Meat-Vivenda", "Data": [
    { "Taxon": "Latin", "Segments": [47, 20, 47, -1, 6, 4, 21, 5]},
    { "Taxon": "French", "Segments": [50, 10, -1, -1, 27, -1, 21, -1]},
    { "Taxon": "Spanish", "Segments": [7, 3, 7, 10, 6, 4, 21, 5]},
    { "Taxon": "Italian", "Segments": [50, 3, 50, -1, 5, 4, 21, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [50, 3, 50, -1, 56, -1, 21, 5]},
    { "Taxon": "Portuguese", "Segments": [50, 3, 50, -1, 56, -1, 21, 9]},
    { "Taxon": "Friulian", "Segments": [50, 3, 50, -1, 5, 4, 21, 6]}
  ]
},
{
  "Name": "Blood-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [33, 5, 4, 70, -1, 3, 4, 6, 2]},
    { "Taxon": "French", "Segments": [33, 27, -1, -1, -1, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [33, 5, 71, 63, -1, -1, 8, 6, -1]},
    { "Taxon": "Italian", "Segments": [33, 5, 4, 63, 47, 6, -1, -1, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [33, 29, -1, 63, -1, 3, -1, -1, -1]},
    { "Taxon": "Portuguese", "Segments": [33, 29, -1, 63, -1, 31, -1, -1, -1]},
    { "Taxon": "Catalan", "Segments": [33, 5, 71, -1, -1, -1, -1, -1, -1]},
    { "Taxon": "Walloon", "Segments": [33, 72, -1, 63, -1, -1, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [33, 5, 4, 39, -1, -1, -1, -1, -1]},
    { "Taxon": "Romanian", "Segments": [33, 31, 4, 68, -1, 6, -1, -1, -1]}
  ]
},
{
  "Name": "Bone-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [-1, 17, 33, 33, 13, 2]},
    { "Taxon": "French", "Segments": [-1, 23, -1, 33, -1, -1]},
    { "Taxon": "Spanish", "Segments": [47, 6, -1, 33, 17, -1]},
    { "Taxon": "Italian", "Segments": [-1, 23, 33, 33, 17, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [-1, 17, -1, 33, 13, -1]},
    { "Taxon": "Portuguese", "Segments": [-1, 17, -1, 33, 13, -1]},
    { "Taxon": "Catalan", "Segments": [-1, 23, -1, 33, -1, -1]},
    { "Taxon": "Walloon", "Segments": [-1, 23, -1, 49, 12, -1]},
    { "Taxon": "Friulian", "Segments": [47, 12, -1, 33, -1, -1]},
    { "Taxon": "Romanian", "Segments": [-1, 17, -1, 33, -1, -1]}
  ]
},
{
  "Name": "FatNoun-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [5, 21, 6, 34, 6, 2]},
    { "Taxon": "Italian", "Segments": [5, 21, 3, 34, 6, -1]}
  ]
},
{
  "Name": "FatNoun-Crassia", "Data": [
    { "Taxon": "French", "Segments": [63, 19, 12, 33, -1]},
    { "Taxon": "Spanish", "Segments": [63, 8, 5, 33, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [63, 8, 5, 36, 9]},
    { "Taxon": "Portuguese", "Segments": [63, 8, 5, 36, 9]},
    { "Taxon": "Catalan", "Segments": [63, 8, 6, 36, -1]},
    { "Taxon": "Walloon", "Segments": [39, 15, 23, 49, -1]},
  ]
}
```

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```
{
  "Taxon": "Friulian",
  "Segments": [63, 15, 5, 33, -1]}
}],
{
  "Name": "Egg-Primary",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [-1, 38, 47, 13, 2]}},
    {
      "Taxon": "French",
      "Segments": [-1, 11, 0, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [47, 6, 7, 17, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [47, 23, 50, 17, -1]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [-1, 17, 50, 13, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [-1, 17, 50, 13, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [-1, 23, 47, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [-1, 13, -1, -1, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [-1, 60, 0, -1, -1]}},
    {
      "Taxon": "Romanian",
      "Segments": [-1, 17, 47, -1, -1]}
  ]
},
{
  "Name": "Horn-Primary",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, -1, 17, 15, 4, 60]}},
    {
      "Taxon": "French",
      "Segments": [39, -1, 23, 19, 4, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [39, 47, 6, 8, 4, 17]}},
    {
      "Taxon": "Italian",
      "Segments": [39, -1, 23, 15, 4, 17]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [39, -1, 17, 19, 4, 13]}},
    {
      "Taxon": "Portuguese",
      "Segments": [39, -1, 17, 8, 4, 13]}},
    {
      "Taxon": "Catalan",
      "Segments": [39, -1, 23, 15, 4, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [39, 47, 12, -1, 4, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [39, 47, 5, 15, -1, -1]}},
    {
      "Taxon": "Romanian",
      "Segments": [39, -1, 17, 15, 4, -1]}
  ]
},
{
  "Name": "Tail-Primary",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, 51, 21, 5]}},
    {
      "Taxon": "French",
      "Segments": [39, 73, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [39, 17, 14, 5]}},
    {
      "Taxon": "Italian",
      "Segments": [39, 17, 21, 5]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [39, 51, 21, 9]}},
    {
      "Taxon": "Portuguese",
      "Segments": [39, 51, 21, 9]}},
    {
      "Taxon": "Catalan",
      "Segments": [39, 13, -1, 5]}},
    {
      "Taxon": "Walloon",
      "Segments": [39, 23, 47, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [39, 23, 21, 12]}},
    {
      "Taxon": "Romanian",
      "Segments": [54, 25, 21, 24]}
  ]
},
{
  "Name": "Feather-Primary",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [34, 14, 60, 2, 5]}},
    {
      "Taxon": "French",
      "Segments": [34, 14, 62, 2, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [34, 14, 13, 2, 5]}},
    {
      "Taxon": "Italian",
      "Segments": [34, 10, 13, 2, 5]}},
    {
      "Taxon": "Catalan",
      "Segments": [34, 14, 17, 2, 24]}},
    {
      "Taxon": "Walloon",
      "Segments": [34, 14, 23, 2, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [34, 14, 13, 2, 12]}
  ]
},
{
  "Name": "Feather-Penna",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [34, 6, 4, 4, 5]}},
    {
      "Taxon": "French",
      "Segments": [34, 12, -1, 4, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [34, 6, -1, 22, 5]}},
    {
      "Taxon": "Italian",
      "Segments": [34, 6, 4, 4, 5]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [34, 6, -1, 4, 9]}},
    {
      "Taxon": "Portuguese",
      "Segments": [34, 6, -1, 4, 9]}},
    {
      "Taxon": "Catalan",
      "Segments": [34, 12, -1, 22, 24]}},
    {
      "Taxon": "Walloon",
      "Segments": [34, 12, -1, 4, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Friulian",      "Segments": [34, 12, -1, 4, 6]},
  "Taxon": "Romanian",     "Segments": [34, 5, -1, 4, 24]}
}],
{
  "Name": "Hair-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [34, -1, 3, 14, 13, 33]},
    {"Taxon": "French",     "Segments": [34, 47, 5, 14, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [34, -1, 6, 14, 17, -1]},
    {"Taxon": "Italian",    "Segments": [34, -1, 6, 14, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 6, 14, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [34, -1, 31, 14, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [34, -1, 12, 14, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [34, -1, 1, 14, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [34, -1, 24, 8, -1, -1]}
  ]
},
{
  "Name": "Hair-Capillus", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 5, 34, 3, 14, 14, 13, 33]},
    {"Taxon": "French",     "Segments": [36, 24, 50, 73, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 5, 7, 6, -1, 67, 17, -1]},
    {"Taxon": "Italian",    "Segments": [39, 5, 34, 6, 14, 14, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 5, 7, 6, -1, 14, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [39, 9, 57, 6, -1, 14, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [39, 24, 7, 12, -1, 18, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [68, -1, 50, 12, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [54, 5, 50, 6, 14, -1, -1, -1]}
  ]
},
{
  "Name": "Head-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 5, 34, 3, -1, 26, 3, 5]},
    {"Taxon": "French",     "Segments": [36, 24, 50, 12, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 5, 57, 6, -1, 44, -1, 5]},
    {"Taxon": "Italian",    "Segments": [39, 5, 50, 6, 26, 26, 33, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 5, 7, 6, -1, 33, -1, 9]},
    {"Taxon": "Portuguese", "Segments": [39, 9, 57, 6, -1, 33, -1, 9]},
    {"Taxon": "Catalan",    "Segments": [39, 5, 34, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [54, 5, 50, 12, -1, 30, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [39, 5, 34, -1, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Head-Testa", "Data": [
    {"Taxon": "Latin",      "Segments": [26, 6, 33, 26, 5]},
    {"Taxon": "French",     "Segments": [26, 12, -1, 26, -1]},
    {"Taxon": "Italian",    "Segments": [26, 12, 33, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 12, 33, 26, 9]},
    {"Taxon": "Portuguese", "Segments": [26, 12, 36, 26, 9]},
    {"Taxon": "Catalan",    "Segments": [26, 6, 33, 26, 24]},
    {"Taxon": "Walloon",    "Segments": [30, 12, 33, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [26, 12, 33, 26, 6]},
    {"Taxon": "Romanian",   "Segments": [40, 74, 33, 26, 24]}
  ]
},
{
  "Name": "Ear-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [38, 15, 3, -1, 39, 14, 5]},
    {"Taxon": "French",     "Segments": [17, 19, 45, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [17, 8, 6, -1, 16, -1, 5]},
    {"Taxon": "Italian",    "Segments": [17, 15, 6, 39, 39, 10, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [17, 8, 6, -1, -1, 18, 9]},
    {"Taxon": "Portuguese", "Segments": [17, 8, 46, -1, -1, 18, 9]},
    {"Taxon": "Catalan",    "Segments": [13, 8, 12, -1, -1, 18, 24]},
    {"Taxon": "Walloon",    "Segments": [23, 75, 76, -1, -1, -1, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Friulian",      "Segments": [17, 15, 1, -1, -1, 14, 6]},
  "Taxon": "Romanian",     "Segments": [13, 15, 6, -1, 39, -1, 6]}
}],
{
  "Name": "Eye-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [-1, 17, -1, 39, 13, 14, 13, 33]},
    {"Taxon": "French",     "Segments": [-1, 11, -1, 10, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [-1, 17, -1, 16, -1, 17, -1, -1]},
    {"Taxon": "Italian",    "Segments": [-1, 23, 39, 39, -1, 10, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 17, -1, -1, -1, 18, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 17, -1, -1, -1, 18, 13, -1]},
    {"Taxon": "Walloon",    "Segments": [-1, 13, -1, 10, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [50, 17, -1, -1, 14, 3, -1, -1]},
    {"Taxon": "Romanian",  "Segments": [-1, 17, -1, 77, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Nose-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [4, 41, 33, 13, 33]},
    {"Taxon": "French",     "Segments": [4, 6, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [4, 5, 33, 17, -1]},
    {"Taxon": "Italian",    "Segments": [4, 41, 33, 17, -1]},
    {"Taxon": "Catalan",    "Segments": [4, 5, 33, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [4, 6, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [4, 41, 33, -1, -1]},
    {"Taxon": "Romanian",  "Segments": [4, 5, 33, -1, -1]}
  ]
},
{
  "Name": "Nose-Nares", "Data": [
    {"Taxon": "Spanish",    "Segments": [4, 5, 8, 3, 44, -1]},
    {"Taxon": "Italian",    "Segments": [4, 5, 15, 3, 30, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, 5, 8, 3, 33, -1]},
    {"Taxon": "Portuguese", "Segments": [4, 9, 8, 3, 36, -1]},
    {"Taxon": "Catalan",    "Segments": [4, 41, 15, 78, 33, -1]}
  ]
},
{
  "Name": "Mouth-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [7, 13, 39, 39, 5]},
    {"Taxon": "French",     "Segments": [7, 13, -1, 36, -1]},
    {"Taxon": "Spanish",    "Segments": [7, 17, -1, 39, 5]},
    {"Taxon": "Italian",    "Segments": [7, 17, 39, 39, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 17, -1, 39, 9]},
    {"Taxon": "Portuguese", "Segments": [7, 17, -1, 39, 9]},
    {"Taxon": "Catalan",    "Segments": [7, 17, -1, 39, 24]},
    {"Taxon": "Walloon",    "Segments": [7, 23, -1, 39, -1]},
    {"Taxon": "Friulian",   "Segments": [7, 23, -1, 54, 12]},
    {"Taxon": "Romanian",  "Segments": [7, 13, -1, 39, 24]}
  ]
},
{
  "Name": "Mouth-Gula", "Data": [
    {"Taxon": "Latin",      "Segments": [63, 13, 14, 5]},
    {"Taxon": "French",     "Segments": [63, 11, 14, -1]},
    {"Taxon": "Spanish",    "Segments": [63, 17, 14, 5]},
    {"Taxon": "Italian",    "Segments": [63, 17, 14, 5]},
    {"Taxon": "Catalan",    "Segments": [63, 17, 14, 24]},
    {"Taxon": "Walloon",    "Segments": [63, 11, 10, -1]},
    {"Taxon": "Friulian",   "Segments": [63, 23, 14, 6]},
    {"Taxon": "Romanian",  "Segments": [63, 13, 8, 24]}
  ]
},
{
  "Name": "Tooth-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [21, -1, 6, 4, 26, 6, 2]},
    {"Taxon": "French",     "Segments": [21, -1, 27, -1, -1, -1, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish",      "Segments": [21, 10, 6, 4, 26, 6, -1]},
  "Taxon": "Italian",     "Segments": [21, -1, 12, 4, 26, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [21, -1, 56, -1, 30, 3, -1]},
  "Taxon": "Portuguese",   "Segments": [21, -1, 56, -1, 26, 31, -1]},
  "Taxon": "Walloon",      "Segments": [21, -1, 52, -1, -1, -1, -1]},
  "Taxon": "Friulian",     "Segments": [21, -1, 3, 4, 26, -1, -1]},
  "Taxon": "Romanian",     "Segments": [21, -1, 3, 4, 26, 6, -1]}
}],
{
  "Name": "Fingernail-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [13, 4, 63, -1, 13, 14, 5]},
    {"Taxon": "French",     "Segments": [48, -1, 63, -1, -1, 14, -1]},
    {"Taxon": "Spanish",    "Segments": [13, 22, -1, -1, -1, -1, 5]},
    {"Taxon": "Italian",    "Segments": [13, 4, 63, 10, -1, -1, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 22, -1, -1, -1, -1, 9]},
    {"Taxon": "Portuguese",  "Segments": [13, 22, -1, -1, -1, -1, 9]},
    {"Taxon": "Walloon",    "Segments": [72, -1, 63, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [23, 4, 63, -1, 13, 14, 6]},
    {"Taxon": "Romanian",   "Segments": [13, 4, 63, 10, -1, -1, 6]}
  ]
},
{
  "Name": "Foot-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [34, -1, 6, -1, 21, 6, 2]},
    {"Taxon": "French",     "Segments": [34, 10, 6, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [34, 10, 6, -1, -1, -1, -1]},
    {"Taxon": "Italian",    "Segments": [34, 10, 79, -1, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 12, -1, -1, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [34, -1, 12, -1, -1, -1, -1]},
    {"Taxon": "Catalan",    "Segments": [34, -1, 12, 47, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [34, -1, 3, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [34, -1, 20, -1, 26, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [34, 3, 6, -1, 35, -1, -1]}
  ]
},
{
  "Name": "Leg-Gamba", "Data": [
    {"Taxon": "Latin",      "Segments": [63, 5, 2, 7, 5]},
    {"Taxon": "French",     "Segments": [80, 27, -1, 7, -1]},
    {"Taxon": "Spanish",    "Segments": [63, 5, 2, 7, 5]},
    {"Taxon": "Italian",    "Segments": [63, 5, 2, 7, 5]},
    {"Taxon": "Catalan",    "Segments": [39, 5, 2, 7, 24]},
    {"Taxon": "Walloon",    "Segments": [68, 27, -1, 34, -1]},
    {"Taxon": "Friulian",   "Segments": [81, 5, 2, 7, 6]},
    {"Taxon": "Romanian",   "Segments": [63, 5, 2, 7, 24]}
  ]
},
{
  "Name": "Leg-Perna", "Data": [
    {"Taxon": "Latin",      "Segments": [34, -1, 6, 15, 4, 5]},
    {"Taxon": "Spanish",    "Segments": [34, 10, 6, 8, 4, 5]},
    {"Taxon": "Italian",    "Segments": [34, -1, 12, 15, 4, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 12, 19, 4, 9]},
    {"Taxon": "Portuguese",  "Segments": [34, -1, 12, 8, 4, 9]},
    {"Taxon": "Catalan",    "Segments": [34, -1, 12, 15, 4, 24]}
  ]
},
{
  "Name": "Leg-Petiolus", "Data": [
    {"Taxon": "Latin",      "Segments": [34, 6, -1, 26, 3, 17, 14, 13, 33]},
    {"Taxon": "Spanish",    "Segments": [34, 6, -1, 44, 3, 17, 14, 17, -1]},
    {"Taxon": "Italian",    "Segments": [34, 3, 26, 30, -1, 23, 14, 17, -1]},
    {"Taxon": "Friulian",   "Segments": [34, 12, -1, 39, -1, 23, 14, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [34, 3, -1, 30, 10, 17, 15, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{ "Name": "Knee-Geniculum", "Data": [
  { "Taxon": "Latin", "Segments": [63, -1, 6, 4, 3, -1, 39, 13, 14, 13, 2]},
  { "Taxon": "French", "Segments": [80, -1, 24, 4, 13, -1, -1, -1, -1, -1, -1]},
  { "Taxon": "Spanish", "Segments": [-1, -1, 3, 4, 17, -1, 16, 17, -1, -1, -1]},
  { "Taxon": "Italian", "Segments": [68, -1, 3, 4, 23, 39, 39, -1, 10, 17, -1]},
  { "Taxon": "PortugueseBrazil", "Segments": [80, 13, 6, -1, -1, -1, -1, -1, 18, 13, -1]},
  { "Taxon": "Portuguese", "Segments": [80, 47, 9, -1, -1, -1, -1, -1, 18, 13, -1]},
  { "Taxon": "Catalan", "Segments": [80, -1, 24, 4, 17, -1, -1, -1, 18, -1, -1]},
  { "Taxon": "Walloon", "Segments": [22, -1, -1, 22, 23, -1, -1, -1, -1, -1, -1]},
  { "Taxon": "Friulian", "Segments": [68, -1, 6, 4, 17, -1, -1, -1, 14, 3, -1]},
  { "Taxon": "Romanian", "Segments": [68, -1, 6, 4, 13, 4, 77, -1, -1, -1, -1]}
]},
{ "Name": "Hand-Primary", "Data": [
  { "Taxon": "Latin", "Segments": [2, 5, 4, 13, 2]},
  { "Taxon": "French", "Segments": [2, 56, -1, -1, -1]},
  { "Taxon": "Spanish", "Segments": [2, 5, 4, 17, -1]},
  { "Taxon": "Italian", "Segments": [2, 41, 4, 17, -1]},
  { "Taxon": "PortugueseBrazil", "Segments": [2, 53, -1, -1, -1]},
  { "Taxon": "Portuguese", "Segments": [2, 53, -1, -1, -1]},
  { "Taxon": "Walloon", "Segments": [2, 52, -1, -1, -1]},
  { "Taxon": "Friulian", "Segments": [2, 5, 4, -1, -1]},
  { "Taxon": "Romanian", "Segments": [2, 31, 4, 24, -1]}
]},
{ "Name": "Wing-Primary", "Data": [
  { "Taxon": "Latin", "Segments": [41, 14, 5]},
  { "Taxon": "French", "Segments": [6, 14, -1]},
  { "Taxon": "Spanish", "Segments": [5, 14, 5]},
  { "Taxon": "Italian", "Segments": [5, 14, 5]},
  { "Taxon": "PortugueseBrazil", "Segments": [5, -1, -1]},
  { "Taxon": "Portuguese", "Segments": [5, -1, -1]},
  { "Taxon": "Catalan", "Segments": [5, 14, 24]},
  { "Taxon": "Walloon", "Segments": [6, 14, -1]},
  { "Taxon": "Friulian", "Segments": [5, 14, 6]}
]},
{ "Name": "Belly-Primary", "Data": [
  { "Taxon": "Latin", "Segments": [47, -1, 6, 4, 26, 15, 6, 2]},
  { "Taxon": "French", "Segments": [50, -1, 27, -1, 26, 19, -1, -1]},
  { "Taxon": "Spanish", "Segments": [7, 10, 6, 4, 26, 8, 6, -1]},
  { "Taxon": "Catalan", "Segments": [7, -1, 6, 4, 26, 8, 24, -1]},
  { "Taxon": "Walloon", "Segments": [50, -1, 52, -1, 26, -1, -1, -1]},
  { "Taxon": "Friulian", "Segments": [50, -1, 3, 4, 26, 15, 3, -1]},
  { "Taxon": "Romanian", "Segments": [50, -1, 3, 4, 26, 15, 6, -1]}
]},
{ "Name": "Belly-Pantex", "Data": [
  { "Taxon": "Latin", "Segments": [34, 5, 4, 26, 3, 39, 6, 2]},
  { "Taxon": "French", "Segments": [34, 27, -1, 33, -1, -1, -1, -1]},
  { "Taxon": "Spanish", "Segments": [34, 5, 4, 44, -1, -1, 5, -1]},
  { "Taxon": "Italian", "Segments": [34, 5, 4, 30, -1, -1, 5, -1]},
  { "Taxon": "PortugueseBrazil", "Segments": [34, 29, -1, 33, -1, -1, 9, -1]},
  { "Taxon": "Portuguese", "Segments": [34, 29, -1, 33, -1, -1, 9, -1]},
  { "Taxon": "Catalan", "Segments": [34, 5, 22, 36, -1, -1, 24, -1]},
  { "Taxon": "Walloon", "Segments": [34, 27, -1, 33, -1, -1, -1, -1]},
  { "Taxon": "Friulian", "Segments": [34, 5, 4, 40, -1, -1, 6, -1]},
  { "Taxon": "Romanian", "Segments": [34, 31, 4, 26, 6, 30, 6, -1]}
]},
{ "Name": "Guts-Primary", "Data": [
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin",          "Segments": [3, 4, 26, 6, 15, 41, 4, 6, 5]},
  "Taxon": "French",         "Segments": [27, -1, 26, -1, 19, 5, -1, 10, -1]},
  "Taxon": "Spanish",        "Segments": [6, 4, 26, -1, 8, 5, 22, -1, 5]},
  "Taxon": "PortugueseBrazil", "Segments": [28, -1, 26, -1, 8, 29, 22, -1, 9]},
  "Taxon": "Portuguese",     "Segments": [56, -1, 26, -1, 8, 9, 22, -1, 9]},
  "Taxon": "Catalan",        "Segments": [24, 4, 26, -1, 8, 5, 22, -1, 24]}
}],
{
  "Name": "Neck-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [39, -1, 17, 14, 14, 13, 2]},
      "Taxon": "French",         "Segments": [39, -1, 13, -1, -1, -1, -1]},
      "Taxon": "Spanish",        "Segments": [39, 47, 6, -1, 67, 17, -1]},
      "Taxon": "Italian",        "Segments": [39, -1, 17, 14, 14, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [39, -1, 23, -1, 14, 13, -1]},
      "Taxon": "Portuguese",     "Segments": [39, -1, 23, -1, 14, 13, -1]},
      "Taxon": "Catalan",        "Segments": [39, -1, 23, -1, 18, -1, -1]},
      "Taxon": "Walloon",        "Segments": [39, -1, 17, -1, -1, -1, -1]},
      "Taxon": "Friulian",       "Segments": [39, 47, 12, -1, 14, -1, -1]}
    ]
  },
  "Name": "Back-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [21, -1, 17, 15, 33, 13, 2]},
      "Taxon": "French",         "Segments": [21, -1, 17, -1, -1, -1, -1]},
      "Taxon": "Italian",        "Segments": [21, -1, 23, 33, 33, 17, -1]},
      "Taxon": "Catalan",        "Segments": [21, -1, 17, -1, 33, -1, -1]},
      "Taxon": "Walloon",        "Segments": [21, -1, 17, -1, -1, -1, -1]},
      "Taxon": "Friulian",       "Segments": [21, 47, 12, -1, 33, -1, -1]},
      "Taxon": "Romanian",       "Segments": [21, -1, 17, -1, -1, -1, -1]}
    ]
  },
  "Name": "Back-Spatula", "Data": [
    {
      "Taxon": "Latin",          "Segments": [-1, 33, 34, 5, 26, 13, 14, 5]},
      "Taxon": "French",         "Segments": [6, -1, 34, 17, -1, -1, 14, -1]},
      "Taxon": "Spanish",        "Segments": [6, 33, 34, 5, 14, -1, 21, 5]},
      "Taxon": "Italian",        "Segments": [-1, 33, 34, 5, 14, -1, 14, 5]},
      "Taxon": "PortugueseBrazil", "Segments": [3, 36, 34, 5, 21, 47, -1, 9]},
      "Taxon": "Portuguese",     "Segments": [3, 36, 34, 5, 21, 47, -1, 9]},
      "Taxon": "Catalan",        "Segments": [24, 33, 34, 5, 18, -1, 18, 24]},
      "Taxon": "Walloon",        "Segments": [-1, 33, 34, 5, -1, -1, 14, -1]},
      "Taxon": "Friulian",       "Segments": [-1, 33, 34, 5, -1, -1, 14, 6]},
      "Taxon": "Romanian",       "Segments": [-1, 33, 34, 5, 26, -1, -1, 6]}
    ]
  },
  "Name": "Breast-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [33, 3, 4, 13, 33]},
      "Taxon": "French",         "Segments": [33, 56, -1, -1, -1]},
      "Taxon": "Spanish",        "Segments": [33, 6, 4, 17, -1]},
      "Taxon": "Italian",        "Segments": [33, 6, 4, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [33, 45, -1, 13, -1]},
      "Taxon": "Portuguese",     "Segments": [33, 46, -1, 13, -1]},
      "Taxon": "Catalan",        "Segments": [33, 3, -1, -1, -1]},
      "Taxon": "Friulian",       "Segments": [33, 12, 4, -1, -1]},
      "Taxon": "Romanian",       "Segments": [33, 5, 4, -1, -1]}
    ]
  },
  "Name": "Breast-Pectus", "Data": [
    {
      "Taxon": "Latin",          "Segments": [34, -1, 6, 39, 26, 13, 33]},
      "Taxon": "French",         "Segments": [34, -1, 3, -1, -1, -1, -1]},
      "Taxon": "Spanish",        "Segments": [34, -1, 6, -1, 30, 17, -1]},
      "Taxon": "Italian",        "Segments": [34, -1, 12, 26, 26, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [34, -1, 45, -1, 26, 13, -1]}
    ]
  }
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Portuguese",      "Segments": [34, -1, 46, -1, 26, 13, -1]},
  "Taxon": "Catalan",        "Segments": [34, -1, 3, -1, 26, -1, -1]},
  "Taxon": "Friulian",       "Segments": [34, -1, 12, -1, 26, -1, -1]},
  "Taxon": "Romanian",       "Segments": [34, 10, 6, 34, 26, -1, -1]}
}],
{
  "Name": "Breast-Pectorina", "Data": [
    {"Taxon": "French",      "Segments": [34, 47, 5, 26, 19, 3, 4]},
    {"Taxon": "Walloon",     "Segments": [34, 47, 12, 26, 15, 3, 4]}
  ]
},
{
  "Name": "Heart-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, -1, 17, 15, -1]},
    {"Taxon": "French",     "Segments": [39, -1, 11, 19, -1]},
    {"Taxon": "Italian",    "Segments": [39, 47, 23, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 23, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [39, -1, 17, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [39, -1, 23, 15, -1]},
    {"Taxon": "Walloon",    "Segments": [39, -1, 13, 15, -1]},
    {"Taxon": "Friulian",   "Segments": [39, -1, 60, 15, -1]}
  ]
},
{
  "Name": "Heart-Anima", "Data": [
    {"Taxon": "Latin",      "Segments": [5, 4, 3, 2, 5]},
    {"Taxon": "French",     "Segments": [59, -1, -1, 2, -1]},
    {"Taxon": "Spanish",    "Segments": [5, 14, -1, 2, 5]},
    {"Taxon": "Italian",    "Segments": [5, 14, -1, 2, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [5, 47, -1, 2, 9]},
    {"Taxon": "Portuguese", "Segments": [5, 14, -1, 2, 9]},
    {"Taxon": "Walloon",    "Segments": [59, -1, -1, 2, -1]},
    {"Taxon": "Romanian",   "Segments": [3, 4, 3, 2, 24]}
  ]
},
{
  "Name": "Liver-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [0, -1, 20, 39, 41, 26, 13, 2]},
    {"Taxon": "French",     "Segments": [0, 47, 59, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [-1, -1, 3, 82, 5, 37, 17, -1]},
    {"Taxon": "Italian",    "Segments": [0, -1, 6, 63, 5, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, -1, 3, 63, 9, 21, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [0, -1, 3, 82, 9, 37, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [0, -1, 6, 68, 24, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [0, -1, 11, -1, -1, 26, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [0, -1, 3, -1, 41, 26, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [0, -1, 3, 39, 5, 26, -1, -1]}
  ]
},
{
  "Name": "Sun-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [33, 38, 14, 6, 2]},
    {"Taxon": "Spanish",    "Segments": [33, 17, 14, -1, -1]},
    {"Taxon": "Italian",    "Segments": [33, 17, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 23, 47, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [33, 23, 58, -1, -1]},
    {"Taxon": "Catalan",    "Segments": [33, 23, 14, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [33, 25, 8, 6, -1]}
  ]
},
{
  "Name": "Sun-Soliculus", "Data": [
    {"Taxon": "Latin",      "Segments": [33, 17, 14, 3, 39, 13, 14, 13, 33]},
    {"Taxon": "French",     "Segments": [33, 23, 14, 76, -1, -1, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [33, 23, 14, 23, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [33, 17, 15, 6, -1, -1, 14, 3, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Moon-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [14, 60, 4, 5]},
    { "Taxon": "French", "Segments": [14, 62, 4, -1]},
    { "Taxon": "Spanish", "Segments": [14, 13, 4, 5]},
    { "Taxon": "Italian", "Segments": [14, 13, 4, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [14, 13, -1, 9]},
    { "Taxon": "Portuguese", "Segments": [14, 13, -1, 9]},
    { "Taxon": "Catalan", "Segments": [18, 13, 4, 24]},
    { "Taxon": "Walloon", "Segments": [14, 73, 4, -1]},
    { "Taxon": "Friulian", "Segments": [14, 13, 4, 6]},
    { "Taxon": "Romanian", "Segments": [14, 13, 4, 24]}
  ]
},
{
  "Name": "Star-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [-1, 33, 26, -1, 1, 14, 14, 5]},
    { "Taxon": "French", "Segments": [6, -1, 26, 47, 5, -1, 14, -1]},
    { "Taxon": "Spanish", "Segments": [6, 33, 26, 8, 6, -1, 67, 5]},
    { "Taxon": "Italian", "Segments": [-1, 33, 26, -1, 6, 14, 14, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [3, 33, 26, 8, 6, -1, 14, 9]},
    { "Taxon": "Portuguese", "Segments": [31, 36, 26, 8, 6, -1, 14, 9]},
    { "Taxon": "Catalan", "Segments": [24, 33, 26, -1, 12, -1, 14, -1]},
    { "Taxon": "Walloon", "Segments": [-1, 33, 26, -1, 11, -1, 14, -1]},
    { "Taxon": "Friulian", "Segments": [-1, 33, 26, -1, 12, -1, 14, 6]},
    { "Taxon": "Romanian", "Segments": [-1, 33, 26, -1, 74, -1, -1, -1]}
  ]
},
{
  "Name": "Water-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [5, -1, 83, -1, 5]},
    { "Taxon": "French", "Segments": [17, -1, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [5, -1, 82, 47, 5]},
    { "Taxon": "Italian", "Segments": [5, 39, 39, 47, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [5, -1, 63, 47, 9]},
    { "Taxon": "Portuguese", "Segments": [5, -1, 63, 47, 9]},
    { "Taxon": "Catalan", "Segments": [43, -1, 82, 47, 24]},
    { "Taxon": "Walloon", "Segments": [12, -1, -1, 47, -1]},
    { "Taxon": "Friulian", "Segments": [5, -1, 63, -1, 6]},
    { "Taxon": "Romanian", "Segments": [5, -1, 34, -1, 24]}
  ]
},
{
  "Name": "Rain-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [34, 14, 13, -1, 47, 3, 5]},
    { "Taxon": "French", "Segments": [34, 14, 61, -1, -1, 3, -1]},
    { "Taxon": "Spanish", "Segments": [67, -1, 13, -1, 7, 10, 5]},
    { "Taxon": "Italian", "Segments": [34, 10, 17, 21, 68, -1, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [36, -1, 13, -1, 50, -1, 9]},
    { "Taxon": "Portuguese", "Segments": [36, -1, 13, -1, 50, -1, 9]},
    { "Taxon": "Catalan", "Segments": [34, 14, 13, -1, 80, -1, 24]},
    { "Taxon": "Walloon", "Segments": [34, 14, 12, -1, 0, -1, -1]},
    { "Taxon": "Friulian", "Segments": [34, 14, 17, -1, -1, 10, 6]},
    { "Taxon": "Romanian", "Segments": [34, 14, 25, -1, -1, 10, 6]}
  ]
},
{
  "Name": "River-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [0, 14, 60, 2, 6, 4]},
    { "Taxon": "Italian", "Segments": [0, 10, 13, 2, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [0, 14, 13, 2, 3, -1]},
    { "Taxon": "Portuguese", "Segments": [0, 14, 13, 2, 31, -1]},
    { "Taxon": "Friulian", "Segments": [0, 14, 13, 2, -1, -1]}
  ]
},
{
  "Name": "River-Rivus", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin",          "Segments": [15, 20, 47, 13, 33]},
  "Taxon": "French",         "Segments": [19, 62, -1, -1, -1]},
  "Taxon": "Spanish",        "Segments": [15, 3, -1, 17, -1]},
  "Taxon": "Italian",        "Segments": [15, 3, -1, 17, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [19, 3, -1, 47, -1]},
  "Taxon": "Portuguese",     "Segments": [19, 3, -1, 13, -1]},
  "Taxon": "Catalan",        "Segments": [15, 3, -1, 47, -1]},
  "Taxon": "Walloon",        "Segments": [15, 12, -1, -1, -1]},
  "Taxon": "Friulian",       "Segments": [15, 3, -1, 13, -1]},
  "Taxon": "Romanian",       "Segments": [15, 31, -1, 47, -1]}
}],
{
  "Name": "River-Riparia", "Data": [
    {
      "Taxon": "Latin",          "Segments": [15, 20, 34, -1, 41, 15, 3, 5]},
      "Taxon": "French",         "Segments": [19, 3, 50, 10, 6, 19, -1, -1]},
      "Taxon": "Walloon",        "Segments": [15, 3, 50, 20, -1, 15, -1, -1]}
    ]
  },
{
  "Name": "Lake-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [14, 5, 39, 13, 2]},
      "Taxon": "French",         "Segments": [14, 5, 39, -1, -1]},
      "Taxon": "Spanish",        "Segments": [14, 5, 63, 17, -1]},
      "Taxon": "Italian",        "Segments": [14, 5, 63, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [14, 5, 63, 13, -1]},
      "Taxon": "Portuguese",     "Segments": [14, 5, 82, 13, -1]},
      "Taxon": "Catalan",        "Segments": [18, 5, 39, -1, -1]},
      "Taxon": "Walloon",        "Segments": [14, 5, 39, -1, -1]},
      "Taxon": "Friulian",       "Segments": [14, 41, 26, -1, -1]},
      "Taxon": "Romanian",       "Segments": [14, 5, 39, -1, -1]}
    ]
  },
{
  "Name": "Sea-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [2, 5, 15, 6]},
      "Taxon": "French",         "Segments": [2, 12, 19, -1]},
      "Taxon": "Spanish",        "Segments": [2, 5, 8, -1]},
      "Taxon": "Italian",        "Segments": [2, 5, 15, 6]},
      "Taxon": "PortugueseBrazil", "Segments": [2, 5, 19, -1]},
      "Taxon": "Portuguese",     "Segments": [2, 5, 8, -1]},
      "Taxon": "Catalan",        "Segments": [2, 5, 15, -1]},
      "Taxon": "Walloon",        "Segments": [2, 6, 15, -1]},
      "Taxon": "Friulian",       "Segments": [2, 41, 15, -1]},
      "Taxon": "Romanian",       "Segments": [2, 5, 15, 6]}
    ]
  },
{
  "Name": "Salt-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [33, 41, 14, 6, 2]},
      "Taxon": "French",         "Segments": [33, 12, 14, -1, -1]},
      "Taxon": "Spanish",        "Segments": [33, 5, 14, -1, -1]},
      "Taxon": "Italian",        "Segments": [33, 5, 14, 6, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [33, 5, 47, -1, -1]},
      "Taxon": "Portuguese",     "Segments": [33, 5, 14, -1, -1]},
      "Taxon": "Catalan",        "Segments": [33, 5, 14, -1, -1]},
      "Taxon": "Walloon",        "Segments": [33, 6, -1, -1, -1]},
      "Taxon": "Friulian",       "Segments": [33, 41, 14, -1, -1]},
      "Taxon": "Romanian",       "Segments": [33, 5, 15, 6, -1]}
    ]
  },
{
  "Name": "Stone-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [33, 5, 39, 33, 13, 2]},
      "Taxon": "Italian",        "Segments": [33, 5, 33, 33, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [33, 45, -1, 36, 13, -1]},
    ]
  }
}
```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Portuguese",      "Segments": [33, 46, -1, 36, 13, -1]},
    {"Taxon": "Friulian",       "Segments": [33, 5, -1, 33, -1, -1]}
  ]},
  {"Name": "Stone-Petra", "Data": [
    {"Taxon": "Latin",          "Segments": [34, -1, 6, 26, 15, 5]},
    {"Taxon": "French",         "Segments": [34, 10, 6, -1, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [34, 10, 6, 37, 8, 5]},
    {"Taxon": "Italian",        "Segments": [34, 10, 1, 26, 15, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 6, 21, 8, 9]},
    {"Taxon": "Portuguese",     "Segments": [34, -1, 12, 37, 8, 9]},
    {"Taxon": "Catalan",        "Segments": [34, -1, 6, 37, 8, 24]},
    {"Taxon": "Walloon",        "Segments": [34, -1, 3, -1, 15, -1]},
    {"Taxon": "Friulian",       "Segments": [34, 10, 6, -1, 15, 6]},
    {"Taxon": "Romanian",       "Segments": [34, 10, 5, 26, 8, 24]}
  ]},
  {"Name": "Stone-Lapidem", "Data": [
    {"Taxon": "Latin",          "Segments": [14, 5, 34, 3, 21, 6, 2]},
    {"Taxon": "Spanish",        "Segments": [14, 5, 13, -1, 21, 6, -1]}
  ]},
  {"Name": "Sand-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [49, 5, 15, 1, 4, 59]},
    {"Taxon": "Spanish",        "Segments": [-1, 5, 8, 6, 4, 5]},
    {"Taxon": "Italian",        "Segments": [-1, -1, 15, 12, 4, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 5, 8, 45, -1, 9]},
    {"Taxon": "Portuguese",     "Segments": [-1, 9, 8, 46, -1, 9]},
    {"Taxon": "Catalan",        "Segments": [-1, 24, 8, 6, 4, 24]},
    {"Taxon": "Walloon",        "Segments": [-1, 5, 15, 12, 4, -1]},
    {"Taxon": "Friulian",       "Segments": [-1, -1, 15, 12, 4, 6]},
    {"Taxon": "Romanian",       "Segments": [-1, 5, 15, 3, 4, 24]}
  ]},
  {"Name": "Sand-Sabulum", "Data": [
    {"Taxon": "Latin",          "Segments": [33, 5, 7, 13, 14, 13, 2]},
    {"Taxon": "French",         "Segments": [33, 5, 7, -1, 14, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 43, 57, -1, 8, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 43, 57, -1, 8, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 17, -1, -1, 15, 24, -1]}
  ]},
  {"Name": "Sand-Sabulo", "Data": [
    {"Taxon": "Latin",          "Segments": [33, 5, 7, 13, 14, 17, 4, 6, 2]},
    {"Taxon": "Walloon",        "Segments": [33, 59, 50, -1, 10, 72, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [33, 5, 50, 5, 14, 23, 4, -1, -1]}
  ]},
  {"Name": "Dust-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [34, 13, 14, 47, 6, 15, 6, 2]},
    {"Taxon": "French",         "Segments": [34, 13, 21, -1, -1, 19, -1, -1]},
    {"Taxon": "Italian",        "Segments": [34, 17, 14, 50, 6, 15, 6, -1]},
    {"Taxon": "Friulian",       "Segments": [34, 23, 14, 50, 5, 15, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [34, 13, 14, 7, 6, 15, 6, -1]}
  ]},
  {"Name": "Dust-Pulwus", "Data": [
    {"Taxon": "Latin",          "Segments": [34, 13, 14, 47, 13, 33]},
    {"Taxon": "Spanish",        "Segments": [34, 17, 14, 7, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, 23, -1, -1, -1, -1]},
    {"Taxon": "Portuguese",     "Segments": [34, 23, -1, -1, -1, -1]},
    {"Taxon": "Catalan",        "Segments": [34, 17, 14, -1, -1, 33]}
  ]},
  ]},

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Earth-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [26, -1, 6, 15, 15, 5]},
    { "Taxon": "French", "Segments": [26, -1, 6, -1, 19, -1]},
    { "Taxon": "Spanish", "Segments": [26, 10, 6, -1, 15, 5]},
    { "Taxon": "Italian", "Segments": [26, -1, 12, 15, 15, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [26, -1, 6, -1, 19, 9]},
    { "Taxon": "Portuguese", "Segments": [26, -1, 12, -1, 19, 9]},
    { "Taxon": "Catalan", "Segments": [26, -1, 12, -1, 15, 24]},
    { "Taxon": "Walloon", "Segments": [26, -1, 6, -1, 15, -1]},
    { "Taxon": "Friulian", "Segments": [26, 10, 12, -1, 15, 6]},
    { "Taxon": "Romanian", "Segments": [40, -1, 5, -1, 15, 24]}
  ]
},
{
  "Name": "Cloud-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [4, 60, 7, 1, 33]},
    { "Taxon": "French", "Segments": [4, 62, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [4, 13, 7, 6, -1]},
    { "Taxon": "Italian", "Segments": [4, 13, 7, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [4, 13, 50, 32, -1]},
    { "Taxon": "Portuguese", "Segments": [4, 13, 50, 42, -1]}
  ]
},
{
  "Name": "Cloud-Nubilus", "Data": [
    { "Taxon": "Latin", "Segments": [4, 60, 7, 3, 14, 13, 33]},
    { "Taxon": "Spanish", "Segments": [4, 13, 7, -1, 14, 17, -1]},
    { "Taxon": "Italian", "Segments": [4, 13, 50, 17, 14, 5, -1]},
    { "Taxon": "Catalan", "Segments": [4, 13, 50, 17, 14, -1, -1]},
    { "Taxon": "Friulian", "Segments": [4, 60, -1, -1, 14, -1, -1]},
    { "Taxon": "Romanian", "Segments": [4, 17, -1, -1, 15, -1, -1]}
  ]
},
{
  "Name": "Fog-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [39, 41, 14, 20, 63, 3, 4, 6, 2]},
    { "Taxon": "Spanish", "Segments": [39, 5, 14, 3, -1, -1, 4, 5, -1]},
    { "Taxon": "Italian", "Segments": [39, 5, 14, 3, 68, 3, 4, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [39, 5, 14, 3, 80, 32, -1, -1, -1]},
    { "Taxon": "Portuguese", "Segments": [39, 9, 14, 3, 80, 42, -1, -1, -1]}
  ]
},
{
  "Name": "Fog-Nebula", "Data": [
    { "Taxon": "Latin", "Segments": [4, -1, 6, -1, 7, 13, 14, 5]},
    { "Taxon": "Spanish", "Segments": [4, 10, 6, -1, 7, -1, 14, 5]},
    { "Taxon": "Italian", "Segments": [4, -1, 6, 7, 7, -1, 10, 5]},
    { "Taxon": "PortugueseBrazil", "Segments": [4, -1, 12, -1, 50, 47, -1, 9]},
    { "Taxon": "Portuguese", "Segments": [4, -1, 12, -1, 50, 47, -1, 9]},
    { "Taxon": "Catalan", "Segments": [4, -1, 6, -1, -1, 47, 14, 24]},
    { "Taxon": "Walloon", "Segments": [4, 10, 62, -1, -1, -1, 14, -1]},
    { "Taxon": "Romanian", "Segments": [4, -1, 6, -1, 63, 13, 15, 24]}
  ]
},
{
  "Name": "Fog-Tenebrae", "Data": [
    { "Taxon": "Latin", "Segments": [26, 6, 4, 1, 7, 15, 43]},
    { "Taxon": "Italian", "Segments": [26, 79, 4, 6, 7, 15, 6]}
  ]
},
{
  "Name": "Fog-Tenebras", "Data": [
    { "Taxon": "Latin", "Segments": [26, -1, 6, 4, -1, 1, 7, 15, 41, 33]},
    { "Taxon": "French", "Segments": [26, -1, 6, 4, -1, 12, 7, 19, -1, -1]},
    { "Taxon": "Spanish", "Segments": [26, -1, 3, 4, 10, 6, 7, 14, 5, 33]},
    { "Taxon": "Italian", "Segments": [26, -1, 79, 4, -1, 6, 7, 15, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [26, 8, -1, -1, -1, 12, 50, -1, 9, 33]},
    { "Taxon": "Portuguese", "Segments": [26, 8, -1, -1, -1, 12, 50, -1, 9, 36]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Catalan",          "Segments": [26, -1, 24, 4, -1, 6, 7, 8, 24, 33]}
  ]},
  {"Name": "Fog-Fumata", "Data": [
    {"Taxon": "Latin",           "Segments": [0, 60, 2, 41, 26, 5]},
    {"Taxon": "French",          "Segments": [0, 62, 2, 6, -1, -1]},
    {"Taxon": "Spanish",         "Segments": [0, 13, 2, 5, 26, 5]},
    {"Taxon": "Italian",         "Segments": [0, 13, 2, 41, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 13, 2, 5, 33, 9]},
    {"Taxon": "Portuguese",      "Segments": [0, 13, 2, 5, 33, 9]},
    {"Taxon": "Friulian",        "Segments": [0, 13, 2, 5, 26, 6]}
  ]},
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    {"Taxon": "Romanian",        "Segments": [30, 74, 30, -1, 24]}
  ]},
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    {"Taxon": "Spanish",         "Segments": [44, 10, 6, 14, 17, -1]},
    {"Taxon": "Italian",         "Segments": [30, -1, 12, 14, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 12, 47, -1, -1]},
    {"Taxon": "Portuguese",      "Segments": [33, -1, 12, 47, -1, -1]},
    {"Taxon": "Catalan",         "Segments": [33, -1, 12, 14, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [33, -1, 3, 15, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [30, -1, 20, 14, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [30, -1, 6, 8, -1, -1]}
  ]},
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    {"Taxon": "Spanish",         "Segments": [7, 10, 6, 4, 26, 17, -1]},
    {"Taxon": "Italian",         "Segments": [50, -1, 12, 4, 26, 17, -1]},
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    {"Taxon": "Catalan",         "Segments": [7, -1, 6, 4, -1, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [50, -1, 52, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [50, -1, 3, 4, 26, -1, -1]},
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  ]},
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    {"Taxon": "Portuguese",      "Segments": [4, -1, 12, 50, 31, -1]},
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    {"Taxon": "Friulian",        "Segments": [4, -1, 1, 0, -1, -1]},
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    {"Taxon": "French",          "Segments": [80, 12, 14, -1]},
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    {"Taxon": "Italian",         "Segments": [68, 12, 14, 17]},
    {"Taxon": "Catalan",         "Segments": [80, 12, 58, -1]},

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  {"Taxon": "Walloon",
   "Segments": [63, 14, 12, -1, 33, -1]},
  {"Taxon": "Friulian",
   "Segments": [63, 14, 5, -1, 30, 6]},
  {"Taxon": "Romanian",
   "Segments": [63, -1, 74, -1, 40, 24]}
}],
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  {"Taxon": "PortugueseBrazil",
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  {"Taxon": "Portuguese",
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  {"Taxon": "Catalan",
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  {"Taxon": "Friulian",
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}],
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   "Segments": [0, -1, 73, -1, -1, -1]},
  {"Taxon": "Spanish",
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  {"Taxon": "Italian",
   "Segments": [0, 47, 23, 39, 17, -1]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [0, -1, 17, 63, 13, -1]},
  {"Taxon": "Portuguese",
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  {"Taxon": "Catalan",
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  {"Taxon": "Walloon",
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  {"Taxon": "Friulian",
   "Segments": [0, -1, 60, 39, -1, -1]},
  {"Taxon": "Romanian",
   "Segments": [0, -1, 17, 39, -1, -1]}
}],
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  {"Taxon": "French",
   "Segments": [33, 27, -1, -1, 21, 19, -1, -1]},
  {"Taxon": "Italian",
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  {"Taxon": "Catalan",
   "Segments": [33, 12, 4, -1, 21, 15, 24, -1]},
  {"Taxon": "Walloon",
   "Segments": [33, 52, -1, -1, 26, -1, -1, -1]}
}],
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  {"Taxon": "PortugueseBrazil",
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  {"Taxon": "Portuguese",
   "Segments": [33, 28, -1, -1, 35, 9]},
  {"Taxon": "Friulian",
   "Segments": [30, 3, 4, 3, 33, 12]},
  {"Taxon": "Romanian",
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  {"Taxon": "Italian",
   "Segments": [50, -1, 3, 5]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [50, -1, 3, 9]},
  {"Taxon": "Portuguese",
   "Segments": [50, -1, 3, 9]},
  {"Taxon": "Catalan",
   "Segments": [7, -1, 3, 24]},
  {"Taxon": "Walloon",
   "Segments": [50, -1, 69, -1]},
  {"Taxon": "Friulian",
   "Segments": [50, -1, 3, 6]}
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```
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  {"Taxon": "Spanish", "Segments": [6, 33, 26, 8, 5, 21, 5]},
  {"Taxon": "Italian", "Segments": [-1, 33, 26, 15, 5, 21, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 26, 8, 5, 21, 9]},
  {"Taxon": "Portuguese", "Segments": [3, 36, 26, 8, 5, 37, 9]},
  {"Taxon": "Friulian", "Segments": [-1, 33, 26, 15, 5, 21, 6]}
]},
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  {"Taxon": "Spanish", "Segments": [39, 5, -1, 2, 3, 4, 17, -1]},
  {"Taxon": "Italian", "Segments": [39, 5, 2, 2, 3, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 5, -1, 2, 28, 22, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 9, -1, 2, 3, 22, 13, -1]},
  {"Taxon": "Catalan", "Segments": [39, 24, -1, 2, 3, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [30, 3, -1, 2, 52, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [54, 5, 2, 3, 4, -1, -1, -1]}
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  {"Taxon": "French", "Segments": [2, 72, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [2, 17, 4, 26, 6, -1]},
  {"Taxon": "Italian", "Segments": [2, 17, 4, 26, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 48, -1, 30, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [2, 48, -1, 26, 31, -1]},
  {"Taxon": "Catalan", "Segments": [2, 13, 4, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [2, 72, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [2, 23, 4, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [2, 13, 4, 26, 12, -1]}
]},
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  {"Taxon": "French", "Segments": [2, 48, -1, 26, 5, -1, 22, -1, -1]},
  {"Taxon": "Spanish", "Segments": [2, 17, 4, 26, 5, -1, 22, -1, 5]},
  {"Taxon": "Italian", "Segments": [2, 17, 4, 26, 5, 22, 22, -1, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 48, -1, 26, 29, -1, 22, -1, 9]},
  {"Taxon": "Portuguese", "Segments": [2, 48, -1, 26, 9, -1, 22, -1, 9]},
  {"Taxon": "Catalan", "Segments": [2, 13, 4, 26, 5, -1, 22, -1, 24]},
  {"Taxon": "Walloon", "Segments": [2, 72, -1, 26, 5, -1, 22, -1, -1]},
  {"Taxon": "Friulian", "Segments": [2, 17, 4, 26, 5, -1, 22, 6, -1]}
]},
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  {"Taxon": "French", "Segments": [4, 61, 3, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [4, -1, 17, -1, 30, 6, -1]},
  {"Taxon": "Italian", "Segments": [4, -1, 23, 26, 26, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, -1, 69, -1, 26, 31, -1]},
  {"Taxon": "Portuguese", "Segments": [4, -1, 69, -1, 26, 31, -1]},
  {"Taxon": "Catalan", "Segments": [4, -1, 3, -1, 26, -1, -1]},
  {"Taxon": "Walloon", "Segments": [4, -1, 62, -1, 26, -1, -1]},
  {"Taxon": "Friulian", "Segments": [22, -1, 23, -1, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [4, -1, 25, 34, 26, 6, -1]}
]},
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  "Taxon": "PortugueseBrazil", "Segments": [21, 3, 9, -1]},
  "Taxon": "Portuguese",    "Segments": [21, 3, 9, -1]},
  "Taxon": "Catalan",       "Segments": [21, 3, 24, -1]},
  "Taxon": "Friulian",      "Segments": [21, 3, -1, -1]},
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    {"Taxon": "Spanish",       "Segments": [21, 10, 13, 8, 4, 17, -1]},
    {"Taxon": "Italian",       "Segments": [68, -1, 17, 15, 4, 17, -1]},
    {"Taxon": "Catalan",       "Segments": [80, -1, 17, 8, 4, -1, -1]},
    {"Taxon": "Walloon",       "Segments": [68, -1, 13, -1, -1, -1, -1]}
  ]
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    {"Taxon": "Portuguese",       "Segments": [80, 23, 19, 4, 5]}
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    {"Taxon": "Spanish",       "Segments": [16, -1, 17, 8, 4, 5, 21, 5]},
    {"Taxon": "Italian",       "Segments": [68, -1, 17, 15, 4, 5, 26, 5]},
    {"Taxon": "Friulian",      "Segments": [68, -1, 17, 15, 4, 5, 21, 6]}
  ]
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    {"Taxon": "Portuguese",    "Segments": [9, -1, 4, 13, -1]},
    {"Taxon": "Catalan",       "Segments": [5, -1, 22, -1, -1]},
    {"Taxon": "Walloon",       "Segments": [27, -1, -1, -1, -1]},
    {"Taxon": "Friulian",      "Segments": [5, -1, 4, -1, -1]},
    {"Taxon": "Romanian",      "Segments": [5, 4, -1, -1, -1]}
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},
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    {"Taxon": "PortugueseBrazil", "Segments": [4, 17, 2, 3, -1]},
    {"Taxon": "Portuguese",    "Segments": [4, 17, 2, 31, -1]},
    {"Taxon": "Catalan",       "Segments": [4, 23, 2, -1, -1]},
    {"Taxon": "Walloon",       "Segments": [4, 72, -1, -1, -1]},
    {"Taxon": "Friulian",      "Segments": [4, 23, 4, -1, -1]},
    {"Taxon": "Romanian",      "Segments": [4, 13, 2, 6, -1]}
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{
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  "Taxon": "French",        "Segments": [14, 27, -1, 63, -1, -1]},
  "Taxon": "Spanish",       "Segments": [14, 6, 71, 63, 47, 5]},
  "Taxon": "Italian",       "Segments": [14, 3, 4, 63, 47, 5]},
  "Taxon": "PortugueseBrazil", "Segments": [14, 28, -1, 63, 47, 9]},
  "Taxon": "Portuguese",    "Segments": [14, 28, -1, 63, 47, 9]},
  "Taxon": "Catalan",       "Segments": [18, 12, 71, 63, 47, 24]},
  "Taxon": "Walloon",       "Segments": [14, 52, -1, -1, 50, -1]},
  "Taxon": "Friulian",      "Segments": [14, 12, 4, 63, -1, 6]},
  "Taxon": "Romanian",     "Segments": [14, 3, 2, 7, -1, 24]}
}],
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      "Taxon": "Catalan",       "Segments": [80, -1, -1, 23]},
      "Taxon": "Walloon",       "Segments": [68, 3, -1, -1]},
      "Taxon": "Friulian",      "Segments": [10, -1, -1, 17]},
      "Taxon": "Romanian",     "Segments": [10, 6, -1, 47]}
    ]
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        "Taxon": "French",        "Segments": [4, 13, -1, -1]},
        "Taxon": "Spanish",       "Segments": [4, 17, -1, 33]},
        "Taxon": "Italian",       "Segments": [4, 38, 3, -1]},
        "Taxon": "PortugueseBrazil", "Segments": [4, 65, -1, 33]},
        "Taxon": "Portuguese",    "Segments": [4, 23, -1, 36]},
        "Taxon": "Walloon",       "Segments": [4, 17, -1, -1]},
        "Taxon": "Friulian",      "Segments": [4, 38, -1, -1]},
        "Taxon": "Romanian",     "Segments": [4, 69, -1, -1]}
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          "Taxon": "French",        "Segments": [50, 13, -1, -1]},
          "Taxon": "Spanish",       "Segments": [7, 17, -1, 33]},
          "Taxon": "Italian",       "Segments": [50, 38, 3, -1]},
          "Taxon": "PortugueseBrazil", "Segments": [50, 65, 33, -1]},
          "Taxon": "Portuguese",    "Segments": [50, 17, -1, 36]},
          "Taxon": "Catalan",       "Segments": [7, 13, -1, 33]},
          "Taxon": "Walloon",       "Segments": [50, 17, -1, -1]},
          "Taxon": "Friulian",      "Segments": [50, 38, -1, -1]},
          "Taxon": "Romanian",     "Segments": [50, 69, -1, -1]}
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      },
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            "Taxon": "Portuguese",    "Segments": [26, 13]},
            "Taxon": "Catalan",       "Segments": [26, 13]},
            "Taxon": "Walloon",       "Segments": [26, 3]},
            "Taxon": "Friulian",      "Segments": [26, 13]},
          ]
        }
      ]
    ]
  }
```

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```
{
  "Taxon": "Romanian",
  "Segments": [26, 13]}
}],
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    {
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    {
      "Taxon": "Portuguese",
      "Segments": [50, 23, 33, -1, 6, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [50, 17, 33, 26, 6, -1]}
  ]
},
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    {
      "Taxon": "French",
      "Segments": [7, 47, 59, -1, -1, 19, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [7, -1, 6, 7, 6, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [7, -1, 6, -1, -1, 8, 6]},
    {
      "Taxon": "PortugueseBrazil", "Segments": [7, -1, 6, 7, 6, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [7, -1, 31, 57, 6, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [7, -1, 12, 47, -1, 8, 24]},
    {
      "Taxon": "Walloon",
      "Segments": [7, -1, 73, -1, -1, 19, -1]},
    {
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      "Segments": [7, -1, 6, 50, 3, -1, -1]},
    {
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  ]
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    {
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    {
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    {
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      "Segments": [39, 13, 2, -1, -1, 6, 8, -1]}
  ]
},
{
  "Name": "ToEat-Manducare", "Data": [
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    {
      "Taxon": "French",
      "Segments": [2, 27, -1, 80, -1, -1, 6, -1, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [2, 5, 4, 21, 13, 39, 5, 8, -1]},
    {
      "Taxon": "Italian",
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    {
      "Taxon": "PortugueseBrazil", "Segments": [2, 29, -1, 80, -1, -1, 5, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [2, 29, -1, 80, -1, -1, 5, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [2, 24, 22, 80, -1, -1, 5, -1, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [2, 5, 22, -1, -1, -1, 3, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [2, 5, 4, 81, -1, -1, 41, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [2, 31, 4, -1, -1, 39, 5, -1, -1]}
  ]
},
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      "Segments": [2, -1, 17, 19, 21, -1, 19, -1]},
    {
      "Taxon": "Spanish",
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    {
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    {
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      "Taxon": "Portuguese",
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    {
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    {
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      "Segments": [2, 13, -1, 33, 24, 82, 5, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [2, 17, 15, 33, 6, 41, -1, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [2, 13, 15, 33, 6, 39, 5, -1, -1]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
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  {"Taxon": "French", "Segments": [33, 62, 33, 6, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 13, 63, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [33, 13, 63, 5, 8, -1]},
  {"Taxon": "Walloon", "Segments": [33, 62, 33, 3, -1, -1]},
  {"Taxon": "Friulian", "Segments": [54, 13, 54, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [33, 13, 68, 6, -1, -1]}
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  {"Taxon": "French", "Segments": [39, 72, -1, 33, 34, 62, 6, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 13, -1, 33, 34, 3, 19, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 13, -1, 36, 34, 3, 8, -1, -1]}
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  {"Taxon": "Catalan", "Segments": [24, 33, 39, 13, -1, 34, 3, -1]},
  {"Taxon": "Romanian", "Segments": [-1, 33, 39, 13, 10, 34, 5, -1]}
]},
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  {"Taxon": "Spanish", "Segments": [6, 33, 34, 13, 26, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [-1, 33, 34, 13, 26, 5, 8, 6]},
  {"Taxon": "Friulian", "Segments": [-1, 33, 34, 13, 21, 41, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [50, 17, 2, 3, 19, -1]},
  {"Taxon": "Italian", "Segments": [50, 23, 2, 6, 15, 6]},
  {"Taxon": "Walloon", "Segments": [50, 17, 2, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [50, 25, 2, 6, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [33, 13, -1, 0, 14, 6, -1, -1]},
  {"Taxon": "Italian", "Segments": [33, 17, 0, 0, 10, 5, 15, 6]},
  {"Taxon": "Walloon", "Segments": [33, 23, -1, 0, 14, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [33, 17, -1, 0, 14, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [33, 13, -1, 0, 14, 5, -1, -1]}
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  {"Taxon": "Spanish", "Segments": [15, 6, 33, 34, 3, 8, 5, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [19, 6, 33, 34, 3, 8, 5, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [19, 31, 36, 34, 3, 8, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [15, 24, 33, 34, 3, 8, 5, -1, -1]},
  {"Taxon": "Friulian", "Segments": [15, 6, 33, 34, 3, 15, 41, -1, -1]}
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  {"Taxon": "French", "Segments": [19, 3, -1, -1, -1, 19, -1]},
  {"Taxon": "Spanish", "Segments": [15, 6, -1, -1, 3, 8, -1]},
  {"Taxon": "Italian", "Segments": [15, 20, -1, 21, 6, 8, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [19, 3, -1, -1, -1, 19, -1]},
```

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    {"Taxon": "Portuguese",      "Segments": [19, 3, -1, -1, -1, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [15, 3, 47, -1, -1, 8, 24]},
    {"Taxon": "Walloon",        "Segments": [15, 3, -1, -1, -1, 15, -1]},
    {"Taxon": "Friulian",       "Segments": [15, 3, -1, 21, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [8, 31, -1, 21, 6, -1, -1]}
  ]},
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    {"Taxon": "French",         "Segments": [50, 47, 5, -1, -1, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [7, -1, -1, -1, 6, 8, -1]},
    {"Taxon": "Italian",        "Segments": [50, -1, 6, 21, 6, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, -1, -1, -1, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [50, -1, -1, -1, 6, 8, -1]},
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    {"Taxon": "Romanian",       "Segments": [50, -1, 6, 21, 74, -1, -1]}
  ]},
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    {"Taxon": "French",         "Segments": [47, -1, -1, 3, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [17, -1, -1, 3, 8, -1]},
    {"Taxon": "Italian",        "Segments": [13, -1, 21, 3, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [17, 47, 50, 3, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [17, 47, 50, 3, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [13, -1, -1, 3, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [65, -1, 3, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [13, 14, 21, 20, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [51, -1, 35, 3, -1, -1]}
  ]},
  {"Name": "ToKnow-Primary", "Data": [
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    {"Taxon": "Romanian",       "Segments": [36, 26, 3, -1, -1]}
  ]},
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    {"Taxon": "Italian",        "Segments": [33, 5, 34, -1, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 5, 7, -1, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 9, 7, -1, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 24, 57, -1, 12, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [33, 5, 50, -1, 73, 15, -1]},
    {"Taxon": "Friulian",       "Segments": [33, 5, 50, -1, 1, -1, -1]}
  ]},
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    {"Taxon": "Spanish",        "Segments": [39, 17, -1, 4, 17, 44, -1, 6, 8, -1]},
    {"Taxon": "Italian",        "Segments": [39, 17, -1, 4, 17, 36, 36, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 17, -1, 22, 6, 33, -1, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [39, 13, -1, 22, 31, 33, -1, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [39, 13, -1, 4, 12, 36, -1, 24, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [39, 3, -1, 4, 23, 49, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [39, 17, -1, 22, 23, 33, -1, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [39, 13, -1, 4, 25, 36, 26, 6, -1, -1]}
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```

Appendix 1 - Tongue Twister Configuration

```
}},
{"Name": "ToThink-Primary", "Data": [
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  {"Taxon": "Spanish", "Segments": [39, 47, -1, -1, 3, 21, 5, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 13, 80, 3, 26, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [39, -1, 13, 80, 3, 26, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [39, -1, 13, -1, 10, 21, 5, -1, -1]},
  {"Taxon": "Romanian", "Segments": [39, -1, 13, 68, 6, 26, 5, -1, -1]}
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  {"Taxon": "French", "Segments": [34, 27, -1, 33, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [34, 6, 4, 33, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [34, 6, 4, 33, 5, 8, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [34, 56, -1, 33, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [34, 56, -1, 33, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [34, 24, 4, 33, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [34, 52, -1, 33, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [34, 6, 4, 33, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [34, 24, -1, 33, 5, -1, -1]}
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  {"Taxon": "French", "Segments": [33, 27, -1, 26, 3, 19, -1]},
  {"Taxon": "Spanish", "Segments": [33, 6, 4, 26, 3, 8, -1]},
  {"Taxon": "Italian", "Segments": [33, 6, 4, 26, 3, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 56, -1, 30, 3, 19, -1]},
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  {"Taxon": "Walloon", "Segments": [33, 52, -1, 26, 3, -1, -1]},
  {"Taxon": "Friulian", "Segments": [33, 3, 4, 26, 20, -1, -1]},
  {"Taxon": "Romanian", "Segments": [33, 3, 2, 40, 3, -1, -1]}
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  {"Taxon": "Catalan", "Segments": [-1, 13, 14, 13, 8, 5]},
  {"Taxon": "Friulian", "Segments": [4, 13, 14, 20, -1, -1]}
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  {"Taxon": "Italian", "Segments": [0, 15, 5, 63, 15, 5, 15, 6]},
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  {"Taxon": "Catalan", "Segments": [0, 14, 24, 10, 8, 5, -1, -1]}
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  {"Taxon": "Spanish", "Segments": [26, 6, 2, 6, 8, -1]},
```

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```
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  "Taxon": "Catalan",         "Segments": [26, 6, 2, 24, -1, -1]},
  "Taxon": "Friulian",        "Segments": [26, 6, 2, 6, -1, -1]},
  "Taxon": "Romanian",        "Segments": [26, 6, 2, 6, -1, -1]}
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    {"Taxon": "Italian",        "Segments": [26, 15, 6, 2, -1, 5, 15, 6]},
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    {"Taxon": "Portuguese",     "Segments": [26, 8, 31, 2, -1, 6, 8, -1]},
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    {"Taxon": "Spanish",        "Segments": [21, -1, 17, 8, 2, 3, 8, -1]},
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    {"Taxon": "Walloon",        "Segments": [21, 47, 12, 19, 2, 3, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [21, -1, 13, 15, 2, 20, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [21, -1, 17, 15, 2, 3, -1, -1]}
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{
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    {"Taxon": "Spanish",        "Segments": [7, 3, 7, 3, 8, -1]},
    {"Taxon": "Italian",        "Segments": [50, 3, 50, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 3, 50, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [50, 3, 50, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [7, 3, 47, -1, 8, 24]},
    {"Taxon": "Friulian",       "Segments": [50, 3, 50, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [50, 3, -1, 5, -1, -1]}
  ]
},
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    {"Taxon": "PortugueseBrazil", "Segments": [2, 17, 19, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [2, 13, 19, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [2, 13, 8, 3, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [2, 23, 15, 3, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [2, 13, 15, 20, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [2, 13, 15, 3, -1, -1]}
  ]
},
{
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    {"Taxon": "French",         "Segments": [4, 47, 43, -1, 6, -1, -1]},
    {"Taxon": "Catalan",        "Segments": [4, -1, 24, 63, 5, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [4, -1, 6, -1, 41, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [4, -1, 6, 39, 5, -1, -1]}
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}
```

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```
}},
{"Name": "ToKill-Adnecare", "Data": [
  {"Taxon": "Spanish", "Segments": [5, -1, 4, 6, 63, 5, 8, -1]},
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  {"Taxon": "Friulian", "Segments": [3, 4, 4, -1, 6, -1, 41, -1]}
]},
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  {"Taxon": "Walloon", "Segments": [26, 13, 47, -1, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 13, 21, 41, -1, -1, -1]}
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  {"Taxon": "French", "Segments": [2, 5, -1, 26, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [2, 5, -1, 26, 5, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 5, -1, 26, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [2, 9, -1, 26, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [2, 24, -1, 26, 5, -1, -1]},
  {"Taxon": "Friulian", "Segments": [2, 5, -1, 30, 41, -1, -1]}
]},
{"Name": "ToKill-Occidere", "Data": [
  {"Taxon": "Latin", "Segments": [17, 39, 39, 20, 21, 6, 15, 6]},
  {"Taxon": "French", "Segments": [23, 39, 33, 3, -1, -1, 19, -1]},
  {"Taxon": "Italian", "Segments": [13, 26, 30, 3, 21, 6, 8, 6]},
  {"Taxon": "Catalan", "Segments": [13, 39, 33, 3, -1, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [13, -1, 30, 3, 21, 6, -1, -1]}
]},
{"Name": "ToFight-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [34, 13, 63, 4, 41, 15, 6]},
  {"Taxon": "Spanish", "Segments": [34, 13, -1, 22, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [34, 13, 22, 22, 5, 15, 6]},
  {"Taxon": "Catalan", "Segments": [34, 13, -1, 22, 5, -1, -1]}
]},
{"Name": "ToFight-Battuere", "Data": [
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  {"Taxon": "French", "Segments": [7, 5, -1, 26, -1, -1, 19, -1]},
  {"Taxon": "Spanish", "Segments": [7, 5, -1, 26, -1, 3, 8, -1]},
  {"Taxon": "Italian", "Segments": [7, 5, 26, 26, -1, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, 5, -1, 26, -1, 6, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [7, 9, -1, 26, -1, 6, 8, -1]},
  {"Taxon": "Catalan", "Segments": [7, 5, -1, 26, -1, -1, 8, 24]},
  {"Taxon": "Walloon", "Segments": [7, 5, -1, 26, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [7, 5, -1, 26, -1, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [7, 5, -1, 26, -1, 6, -1, -1]}
]},
{"Name": "ToHunt-Captiare", "Data": [
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  {"Taxon": "French", "Segments": [36, 5, -1, 33, -1, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [39, 5, -1, 44, -1, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [39, 5, 26, 30, -1, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 5, -1, 33, -1, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 9, -1, 33, -1, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [39, 24, -1, 33, -1, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [30, 12, -1, 33, -1, 3, -1, -1]},
  {"Taxon": "Friulian", "Segments": [54, 5, -1, 30, -1, 41, -1, -1]}
```

Appendix 1 - Tongue Twister Configuration

```
}},
{"Name": "ToHit-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [34, 13, 14, 33, 41, 15, 6]},
  {"Taxon": "French", "Segments": [34, 13, -1, 33, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [34, 13, -1, 16, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [34, 13, 14, 33, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [34, 13, -1, 36, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [34, 13, -1, 36, 5, 8, -1]},
  {"Taxon": "Friulian", "Segments": [34, 13, 14, 33, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [34, 13, 14, 33, 5, -1, -1]}
]},
{"Name": "ToCut-Primary", "Data": [
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  {"Taxon": "French", "Segments": [33, 10, 6, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [33, -1, 6, 63, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [33, -1, 6, 63, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, 63, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [33, -1, 31, 82, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [33, -1, 24, 82, 5, -1, -1]},
  {"Taxon": "Friulian", "Segments": [33, -1, 6, -1, 41, -1, -1]}
]},
{"Name": "ToCut-Curtare", "Data": [
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  {"Taxon": "Spanish", "Segments": [39, 17, 8, 26, 5, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 17, 19, 26, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 13, 8, 26, 5, 8, -1]}
]},
{"Name": "ToCut-Excurtare", "Data": [
  {"Taxon": "Latin", "Segments": [6, 39, 33, 39, 13, 15, 26, 41, 15, 6]},
  {"Taxon": "French", "Segments": [6, -1, -1, 39, 13, 19, 26, 6, -1, -1]},
  {"Taxon": "Italian", "Segments": [-1, -1, 33, 39, 17, 15, 26, 5, 15, 6]},
  {"Taxon": "Friulian", "Segments": [-1, -1, 33, 39, 13, 15, 26, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, -1, 33, 39, 13, 15, 26, 5, -1, -1]}
]},
{"Name": "ToCut-Taliare", "Data": [
  {"Taxon": "Latin", "Segments": [26, 41, -1, 14, 3, 41, 15, 6]},
  {"Taxon": "French", "Segments": [26, 59, 10, -1, -1, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 5, -1, 16, -1, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [26, 5, -1, 18, 18, 41, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 5, -1, 18, -1, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [26, 9, -1, 18, -1, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [26, 24, -1, 18, -1, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [26, 12, -1, -1, 10, 3, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 5, -1, -1, 10, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [26, 24, -1, -1, 10, 5, -1, -1]}
]},
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  {"Taxon": "Latin", "Segments": [21, 20, 47, 3, 21, 6, 15, 6]},
  {"Taxon": "Spanish", "Segments": [21, 3, 7, 3, 21, 3, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [68, 3, 50, 3, 68, 3, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 3, 50, 3, 37, 3, 8, -1]},
  {"Taxon": "Catalan", "Segments": [21, 3, 7, 3, 21, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [21, 3, 50, 3, 21, 6, -1, -1]}
]},
{"Name": "ToSplit-Scindere", "Data": [
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  {"Taxon": "Latin", "Segments": [33, 39, 3, 4, 21, 6, 15, 6]}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "French",      "Segments": [33, -1, 52, -1, 21, 6, -1, -1]},
  "Taxon": "Italian",     "Segments": [36, -1, 3, 4, 21, 6, 15, 6]}
}],
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      "Taxon": "French",     "Segments": [0, 27, -1, 21, -1, 19, -1]},
      "Taxon": "Spanish",    "Segments": [-1, 6, 4, 21, 6, 8, -1]},
      "Taxon": "Italian",    "Segments": [0, 12, 4, 21, 6, 15, 6]},
      "Taxon": "PortugueseBrazil", "Segments": [0, 56, -1, 21, 6, 19, -1]},
      "Taxon": "Portuguese",  "Segments": [0, 56, -1, 21, 6, 8, -1]},
      "Taxon": "Catalan",    "Segments": [0, 12, 4, 21, -1, 8, 24]},
      "Taxon": "Walloon",    "Segments": [0, 52, -1, 21, -1, -1, -1]}
    ]
  },
  {
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        "Taxon": "French",     "Segments": [34, 5, 19, 26, 3, 19, -1]},
        "Taxon": "Spanish",    "Segments": [34, 5, 8, 26, 3, 8, -1]},
        "Taxon": "PortugueseBrazil", "Segments": [34, 5, 19, 30, 3, 19, -1]},
        "Taxon": "Portuguese",  "Segments": [34, 9, 8, 26, 3, 8, -1]},
        "Taxon": "Catalan",    "Segments": [34, 24, 15, 26, 3, -1, -1]},
        "Taxon": "Walloon",    "Segments": [34, 59, 15, 26, 3, -1, -1]},
        "Taxon": "Friulian",   "Segments": [34, 5, 15, 26, 20, -1, -1]}
      ]
    },
    {
      "Name": "ToSplit-Separare", "Data": [
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          "Taxon": "French",     "Segments": [33, 24, 50, -1, -1, -1, 19, 6]},
          "Taxon": "Spanish",    "Segments": [33, 6, 34, 5, 8, 5, 8, -1]},
          "Taxon": "PortugueseBrazil", "Segments": [33, 6, 34, 5, 8, 5, 19, -1]},
          "Taxon": "Portuguese",  "Segments": [33, 31, 34, 9, 8, 5, 8, -1]},
          "Taxon": "Catalan",    "Segments": [33, 24, 34, 24, 8, 5, -1, -1]},
          "Taxon": "Romanian",   "Segments": [33, 6, 34, 5, 15, 5, -1, -1]}
        ]
      },
      {
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            "Taxon": "French",     "Segments": [34, 47, 52, -1, 21, -1, 19, -1]},
            "Taxon": "Italian",    "Segments": [34, -1, 13, 4, 68, 6, 15, 6]},
            "Taxon": "PortugueseBrazil", "Segments": [34, -1, 84, -1, 80, 3, 19, -1]},
            "Taxon": "Portuguese",  "Segments": [34, -1, 84, -1, 80, 3, 8, -1]},
            "Taxon": "Catalan",    "Segments": [34, -1, 13, 22, -1, 3, -1, -1]},
            "Taxon": "Walloon",    "Segments": [34, 72, -1, 21, -1, -1, -1, -1]},
            "Taxon": "Friulian",   "Segments": [34, -1, 23, 4, 68, 3, -1, -1]},
            "Taxon": "Romanian",   "Segments": [34, -1, 13, 4, 68, 6, -1, -1]}
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        {
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              "Taxon": "French",     "Segments": [80, 62, 63, 62, 14, 6, -1, -1]},
              "Taxon": "Italian",    "Segments": [10, 13, 63, 13, 14, 41, 15, 6]}
            ]
          },
          {
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                "Taxon": "Spanish",    "Segments": [15, 5, -1, 6, 8, -1]},
                "Taxon": "Italian",    "Segments": [15, 5, 21, 6, 15, 6]},
                "Taxon": "PortugueseBrazil", "Segments": [19, 5, -1, 6, 19, -1]},
                "Taxon": "Portuguese",  "Segments": [19, 9, -1, 6, 8, -1]},
                "Taxon": "Catalan",    "Segments": [15, 5, 47, -1, 8, 24]},
                "Taxon": "Friulian",   "Segments": [15, 5, 21, 41, -1, -1]},
              ]
            }
          ]
        ]
      }
    ]
  }
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Romanian",
  "Segments": [15, 5, 21, 6, -1, -1]}
}],
{"Name": "ToScratch-Rasare", "Data": [
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   "Segments": [19, 59, 35, 6, -1, -1]},
  {"Taxon": "Spanish",
   "Segments": [15, 5, 33, 5, 8, -1]},
  {"Taxon": "Italian",
   "Segments": [15, 5, 33, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [19, 5, 35, 5, 19, -1]},
  {"Taxon": "Portuguese",
   "Segments": [19, 9, 35, 5, 8, -1]},
  {"Taxon": "Catalan",
   "Segments": [15, 24, 35, 5, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [15, 5, 33, 41, -1, -1]}
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  {"Taxon": "PortugueseBrazil",
   "Segments": [19, 5, 36, 39, 5, 19]},
  {"Taxon": "Portuguese",
   "Segments": [19, 9, 36, 39, 5, 8]},
  {"Taxon": "Catalan",
   "Segments": [15, 24, 33, 39, 5, -1]}
}],
{"Name": "ToScratch-Coctiare", "Data": [
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   "Segments": [39, 17, 33, 5, 85]},
  {"Taxon": "Portuguese",
   "Segments": [39, 13, 33, 5, 8]}
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  {"Taxon": "French",
   "Segments": [0, 47, 3, -1, -1, 19, -1]}
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   "Segments": [36, 24, 50, 6, -1, -1]},
  {"Taxon": "Spanish",
   "Segments": [39, 5, 7, 5, 8, -1]},
  {"Taxon": "Italian",
   "Segments": [39, 5, 50, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [39, 9, 50, 5, 19, -1]},
  {"Taxon": "Portuguese",
   "Segments": [39, 9, 50, 5, 8, -1]},
  {"Taxon": "Catalan",
   "Segments": [39, 24, 7, 5, -1, -1]},
  {"Taxon": "Walloon",
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  {"Taxon": "Friulian",
   "Segments": [81, 5, 50, 41, -1, -1]}
}],
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  {"Taxon": "Portuguese",
   "Segments": [3, -1, 36, 39, 9, 50, 5, 8, -1]},
  {"Taxon": "Friulian",
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  {"Taxon": "Italian",
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  {"Taxon": "PortugueseBrazil",
   "Segments": [4, -1, 5, 21, 5, 19, -1]},
  {"Taxon": "Portuguese",
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  {"Taxon": "Catalan",
   "Segments": [4, -1, 24, 21, 5, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [4, -1, 5, 21, 41, -1, -1]}
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  {"Taxon": "French",
   "Segments": [4, 5, -1, -1, 80, 6, -1, -1]},
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish",      "Segments": [4, 5, 7, 6, 63, 5, 8, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [4, 5, 50, 31, 82, 5, 19, -1]},
  "Taxon": "Portuguese",    "Segments": [4, 9, 50, 31, 82, 5, 8, -1]},
  "Taxon": "Catalan",       "Segments": [4, 24, 7, 24, 63, 5, -1, -1]},
  "Taxon": "Walloon",       "Segments": [4, 23, -1, -1, 10, 3, -1, -1]},
  "Taxon": "Friulian",      "Segments": [4, 5, 50, 3, 63, 41, -1, -1]},
  "Taxon": "Romanian",      "Segments": [4, 5, 50, 3, 63, 5, -1, -1]}
}],
{
  "Name": "ToFly-Primary", "Data": [
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    {"Taxon": "French",     "Segments": [50, 17, 14, 6, -1, -1]},
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    {"Taxon": "Italian",    "Segments": [50, 17, 14, 5, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 17, -1, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [50, 47, -1, 5, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [7, 13, 14, 5, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [50, 23, 14, 6, -1, -1]}
  ]
},
{
  "Name": "ToFly-Exvolare", "Data": [
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    {"Taxon": "Friulian",   "Segments": [35, 50, 17, 14, 41, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [35, 7, 13, 8, 5, -1, -1]}
  ]
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{
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    {"Taxon": "Spanish",    "Segments": [39, 5, -1, 2, 3, 4, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [39, 5, 2, 2, 3, 4, 5, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 9, -1, 2, 3, 22, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [39, 9, -1, 2, 3, 22, 5, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [39, 24, -1, 2, 3, 4, 5, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [54, 5, -1, 2, 3, 4, 41, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Mergere", "Data": [
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    {"Taxon": "Italian",    "Segments": [2, 12, 15, 68, 6, 15, 6]},
    {"Taxon": "Romanian",   "Segments": [2, 6, 15, 68, 6, -1, -1]}
  ]
},
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    {"Taxon": "Italian",    "Segments": [5, 4, 21, -1, -1, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [29, -1, 21, -1, -1, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [29, -1, 21, -1, -1, 5, 8, -1]}
  ]
},
{
  "Name": "ToCome-Primary", "Data": [
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    {"Taxon": "French",     "Segments": [50, 24, 4, 3, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [7, 6, 4, 3, 8, -1]},
    {"Taxon": "Italian",    "Segments": [50, 6, 4, 3, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, -1, -1, 3, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [50, -1, -1, 3, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [7, 24, 4, 3, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [50, 3, 4, 3, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [50, 3, 22, 20, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [50, 6, 4, 3, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToLieAsInABed-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [6, 39, 33, 26, 6, 4, 21, 6, 15, 6] },
    { "Taxon": "French", "Segments": [6, -1, -1, 26, 27, -1, 21, -1, 19, -1] },
    { "Taxon": "Spanish", "Segments": [6, 39, 33, 26, 6, 4, 21, 6, 8, -1] },
    { "Taxon": "Italian", "Segments": [6, -1, 33, 26, 12, 4, 21, 6, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [3, -1, 33, 26, 56, -1, 21, 6, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [3, -1, 36, 26, 56, -1, 21, 6, 8, -1] },
    { "Taxon": "Catalan", "Segments": [24, -1, 33, 26, 6, 4, 21, -1, 8, 24] },
    { "Taxon": "Friulian", "Segments": [-1, -1, 33, 26, 3, 4, 21, 3, -1, -1] },
    { "Taxon": "Romanian", "Segments": [6, 39, 33, 26, 3, 4, 21, 6, -1, -1] }
  ],
  "Name": "ToLieAsInABed-Iacere", "Data": [
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    { "Taxon": "French", "Segments": [80, 6, -1, 35, 3, 19, -1] },
    { "Taxon": "Spanish", "Segments": [67, 5, -1, 44, 6, 8, -1] },
    { "Taxon": "Italian", "Segments": [68, 5, -1, 30, 1, 8, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [80, 9, -1, 35, 6, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [80, 9, -1, 35, 6, 8, -1] },
    { "Taxon": "Catalan", "Segments": [80, 5, 47, -1, -1, 8, 24] },
    { "Taxon": "Walloon", "Segments": [68, 3, -1, -1, -1, 15, -1] },
    { "Taxon": "Friulian", "Segments": [10, 6, -1, 33, 3, -1, -1] },
    { "Taxon": "Romanian", "Segments": [35, 24, -1, 30, 74, -1, -1] }
  ],
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    { "Taxon": "French", "Segments": [33, 47, 5, -1, -1, 19, -1] },
    { "Taxon": "Spanish", "Segments": [33, -1, 6, -1, -1, 8, -1] },
    { "Taxon": "Italian", "Segments": [33, -1, 6, 21, 6, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, -1, -1, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [33, -1, 6, -1, -1, 8, -1] },
    { "Taxon": "Friulian", "Segments": [33, -1, 45, -1, -1, -1, -1] },
    { "Taxon": "Romanian", "Segments": [36, -1, 6, 21, 74, -1, -1] }
  ],
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    { "Taxon": "PortugueseBrazil", "Segments": [33, 56, -1, -1, -1, 26, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [33, 56, -1, -1, -1, 26, 5, 8, -1] },
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    { "Taxon": "Italian", "Segments": [-1, 33, 26, 5, 15, 6] },
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    { "Taxon": "Portuguese", "Segments": [31, 36, 26, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [24, 33, 26, 5, -1, -1] },
    { "Taxon": "Friulian", "Segments": [-1, 33, 26, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [-1, 33, 26, 5, -1, -1] }
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    { "Taxon": "Spanish", "Segments": [67, 6, 7, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [14, 6, 50, 5, 15, 6] },
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [14, 6, 50, 5, 19, -1]},
  "Taxon": "Portuguese", "Segments": [14, 31, 50, 5, 8, -1]},
  "Taxon": "Catalan", "Segments": [18, 24, 7, 5, -1, -1]},
  "Taxon": "Walloon", "Segments": [14, 12, 50, 6, -1, -1]},
  "Taxon": "Friulian", "Segments": [14, 6, 50, 41, -1, -1]},
  "Taxon": "Romanian", "Segments": [14, -1, 13, 5, -1, -1]}
}],
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    {"Taxon": "Spanish", "Segments": [5, 14, 44, 5, 8, -1]},
    {"Taxon": "Italian", "Segments": [5, 14, 40, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [5, 58, 33, 5, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [5, 58, 33, 5, 8, -1]},
    {"Taxon": "Catalan", "Segments": [24, 14, 33, 5, -1, -1]},
    {"Taxon": "Walloon", "Segments": [17, -1, 33, 3, -1, -1]},
    {"Taxon": "Friulian", "Segments": [5, 14, 30, 41, -1, -1]}
  ]
},
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    {"Taxon": "French", "Segments": [26, 13, 19, 4, 6, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 17, 8, 4, 5, 8, -1]},
    {"Taxon": "Italian", "Segments": [26, 17, 15, 4, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 17, 19, 4, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 13, 8, 4, 5, 8, -1]},
    {"Taxon": "Catalan", "Segments": [26, 13, 15, 4, 5, -1, -1]},
    {"Taxon": "Walloon", "Segments": [26, 13, 15, 4, 6, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 17, 15, 4, 41, -1, -1]},
    {"Taxon": "Romanian", "Segments": [26, 13, 15, 4, 5, -1, -1]}
  ]
},
{
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    {"Taxon": "French", "Segments": [80, 3, 19, 6, -1, -1]},
    {"Taxon": "Spanish", "Segments": [16, 3, 8, 5, 8, -1]},
    {"Taxon": "Italian", "Segments": [68, 3, 15, 5, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [80, 3, 8, 5, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [80, 3, 8, 5, 8, -1]},
    {"Taxon": "Catalan", "Segments": [80, 3, 8, 5, -1, -1]},
    {"Taxon": "Friulian", "Segments": [68, 3, 15, 41, -1, -1]}
  ]
},
{
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    {"Taxon": "French", "Segments": [-1, 26, -1, 23, 19, 21, -1, 19, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 26, -1, 17, 8, 44, 6, 8, -1]},
    {"Taxon": "Italian", "Segments": [-1, 26, -1, 23, 15, 30, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 26, -1, 13, 15, 33, 6, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 26, -1, 13, 15, 33, 6, 15, -1]},
    {"Taxon": "Catalan", "Segments": [-1, 26, -1, 23, 15, 33, 24, -1, -1]},
    {"Taxon": "Friulian", "Segments": [33, 26, 47, 5, 15, 21, 35, 3, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 26, -1, 25, 15, 30, 6, -1, -1]}
  ]
},
{
  "Name": "ToFall-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [39, -1, 5, 21, 6, 15, 6]},
    {"Taxon": "French", "Segments": [36, 47, 5, -1, -1, 19, -1]},
    {"Taxon": "Spanish", "Segments": [39, -1, 5, -1, 6, 8, -1]},
    {"Taxon": "Italian", "Segments": [39, -1, 5, 21, 6, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 9, -1, 3, 8, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```

{"Taxon": "Portuguese", "Segments": [39, -1, 9, -1, 3, 8, -1]},
{"Taxon": "Catalan", "Segments": [39, -1, 5, 47, -1, 15, 24]},
{"Taxon": "Walloon", "Segments": [30, -1, 12, -1, -1, 15, -1]},
{"Taxon": "Friulian", "Segments": [54, -1, 5, 21, 6, -1, -1]},
{"Taxon": "Romanian", "Segments": [39, -1, 24, 21, 74, -1, -1]}
]},
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{"Taxon": "PortugueseBrazil", "Segments": [26, 48, -1, 7, 5, 19]},
{"Taxon": "Portuguese", "Segments": [26, 48, -1, 7, 5, 8]},
{"Taxon": "Catalan", "Segments": [26, 13, 2, 7, 5, -1]},
{"Taxon": "Walloon", "Segments": [26, 13, 2, -1, 6, -1]}
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{"Taxon": "Spanish", "Segments": [21, 5, 8, -1]},
{"Taxon": "Italian", "Segments": [21, 5, 15, 6]},
{"Taxon": "PortugueseBrazil", "Segments": [21, 5, 19, -1]},
{"Taxon": "Portuguese", "Segments": [21, 5, 8, -1]},
{"Taxon": "Catalan", "Segments": [21, 5, 15, -1]},
{"Taxon": "Friulian", "Segments": [21, 41, -1, -1]},
{"Taxon": "Romanian", "Segments": [21, 5, -1, -1]}
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{"Taxon": "Spanish", "Segments": [21, 17, 4, 5, 8, -1]},
{"Taxon": "Italian", "Segments": [21, 17, 4, 5, 15, 6]},
{"Taxon": "PortugueseBrazil", "Segments": [21, 17, -1, 5, -1, -1]},
{"Taxon": "Portuguese", "Segments": [21, 13, -1, 5, 8, -1]},
{"Taxon": "Catalan", "Segments": [21, 13, 4, 5, -1, -1]},
{"Taxon": "Walloon", "Segments": [21, 3, 4, 6, -1, -1]},
{"Taxon": "Friulian", "Segments": [21, 17, 4, 41, -1, -1]}
]},
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{"Taxon": "Spanish", "Segments": [26, 6, 4, 6, 8, -1]},
{"Taxon": "Italian", "Segments": [26, 6, 4, 6, 8, 6]},
{"Taxon": "PortugueseBrazil", "Segments": [26, 6, -1, -1, 19, -1]},
{"Taxon": "Portuguese", "Segments": [26, 6, -1, -1, 8, -1]},
{"Taxon": "Catalan", "Segments": [26, 24, 4, 3, -1, -1]},
{"Taxon": "Walloon", "Segments": [26, 3, 4, 3, -1, -1]},
{"Taxon": "Friulian", "Segments": [26, 3, 22, 3, -1, -1]},
{"Taxon": "Romanian", "Segments": [40, 3, 4, 6, -1, -1]}
]},
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{"Taxon": "French", "Segments": [6, -1, -1, 34, 19, 52, -1, 21, -1, 19, -1]},
{"Taxon": "Spanish", "Segments": [6, 39, 33, 34, 8, 6, 2, -1, 3, 8, -1]},
{"Taxon": "Italian", "Segments": [-1, -1, 33, 34, 15, 12, 2, -1, 6, 15, 6]},
{"Taxon": "PortugueseBrazil", "Segments": [3, -1, 36, 34, 15, 24, 2, -1, 6, 19, -1]},
{"Taxon": "Portuguese", "Segments": [3, -1, 36, 34, 15, 24, 2, -1, 6, 15, -1]},
{"Taxon": "Catalan", "Segments": [24, -1, 33, 34, 8, 6, 2, -1, 24, -1, -1]},
{"Taxon": "Friulian", "Segments": [6, -1, 33, 34, 15, 3, 2, -1, 3, -1, -1]}
]
```


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```
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}],
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    {
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      "Segments": [33, 6, -1, 19, 5, -1, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [33, 24, -1, 75, 5, 8, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [33, 24, -1, 15, 5, -1, -1]}},
  ],
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      "Segments": [33, -1, 6, -1, 19, 6, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [44, -1, 6, -1, 15, 5, 8, -1]}},
    {
      "Taxon": "Italian",
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    {
      "Taxon": "PortugueseBrazil",
      "Segments": [33, -1, 31, -1, 19, 5, 8, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [33, -1, 31, -1, 19, 5, 8, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [33, -1, 12, -1, 15, 6, -1, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [33, 10, 6, -1, 15, 41, -1, -1]}},
  ],
{
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    {
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      "Segments": [5, -1, 34, -1, -1, 8, 6, 26, 5, 8, -1]}},
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      "Taxon": "PortugueseBrazil",
      "Segments": [9, -1, 34, 31, -1, 8, -1, 26, 5, 8, -1]}},
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  ],
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    {
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      "Segments": [6, -1, 26, 19, 52, -1, 21, -1, 19, -1]}},
    {
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      "Segments": [6, 33, 26, 8, 6, 22, -1, 3, 8, -1]}},
    {
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    {
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      "Segments": [24, 36, 26, 15, 28, -1, 80, 3, 15, -1]}},
    {
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      "Segments": [24, 36, 26, 15, 28, -1, 80, 3, 15, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [24, 33, 26, 8, 12, 22, -1, 24, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [-1, 33, 26, 15, 52, 4, 21, -1, -1, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [-1, 33, 26, 15, 12, 4, 68, 20, -1, -1]}},
    {
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      "Segments": [-1, 33, 26, 15, 31, 4, 68, 6, -1, -1]}},
  ],
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    {
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    {
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    {
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      "Segments": [0, 8, 24, 63, 5, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [0, 15, 65, 3, -1, -1, -1]}},
    {
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      "Segments": [0, 15, 6, -1, 41, -1, -1]}},
    {
      "Taxon": "Romanian",
      "Segments": [0, 15, 6, 39, 5, -1, -1]}},
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    {
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      "Segments": [31, 36, 0, 8, 31, 82, 5, 8]}},
  ],
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    {
      "Taxon": "French",
      "Segments": [0, 19, 17, -1, 26, 6, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [0, 8, 17, -1, 26, 5, 8, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [0, 15, 6, 26, 26, 5, 15, 6]}},
    {
      "Taxon": "Walloon",
      "Segments": [0, 15, 23, -1, 26, 6, -1, -1]}},
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}
```

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```
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  {"Taxon": "Catalan", "Segments": [0, 8, 24, 33, 5, -1]}
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  {"Taxon": "Spanish", "Segments": [14, 5, 57, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [14, 5, 50, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 9, 50, 5, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 9, 50, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [18, 24, 7, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [14, 5, 50, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [14, 5, 50, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [14, 5, -1, -1, -1, -1]}
]},
{"Name": "ToWipe-Primary", "Data": [
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  {"Taxon": "Italian", "Segments": [26, 12, 15, 68, 6, 15, 6]}
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  {"Taxon": "Spanish", "Segments": [6, -1, 33, 26, 5, 8, 33, 3, 8, -1]},
  {"Taxon": "Catalan", "Segments": [24, -1, 33, 26, 24, 15, 80, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, -1, 36, 26, 6, 15, 68, 6, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [6, -1, 33, 61, 3, -1, 10, 6, -1, -1]},
  {"Taxon": "Italian", "Segments": [5, 36, 36, -1, 13, 63, -1, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [56, -1, 36, -1, 13, 63, -1, 5, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [56, -1, 36, -1, 13, 82, -1, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [24, -1, 36, -1, 13, 63, -1, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [-1, -1, 33, -1, 62, -1, -1, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [-1, -1, 33, -1, 13, -1, 10, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [13, -1, 33, -1, -1, 39, -1, 5, -1, -1]}
]},
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  {"Taxon": "Spanish", "Segments": [14, 3, 2, 34, 10, -1, 5, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 28, -1, 34, -1, -1, 5, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 28, -1, 34, -1, -1, 5, 8, -1]}
]},
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  {"Taxon": "French", "Segments": [26, 3, 19, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 3, 8, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [26, 3, 15, 5, 15, 6]},
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  {"Taxon": "Portuguese", "Segments": [26, 3, 8, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [26, 3, 8, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [26, 3, 15, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 3, 15, 41, -1, -1]}
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{
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  "Taxon": "French",          "Segments": [34, 13, -1, 33, 6, -1, -1]},
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  "Taxon": "Italian",         "Segments": [34, 13, 14, 33, 5, 15, 6]},
  "Taxon": "PortugueseBrazil", "Segments": [34, 13, -1, 36, 5, 8, -1]},
  "Taxon": "Portuguese",      "Segments": [34, 13, -1, 36, 5, 8, -1]},
  "Taxon": "Walloon",         "Segments": [34, 60, 33, 20, -1, -1, -1]},
  "Taxon": "Friulian",        "Segments": [34, 13, 14, 33, 41, -1, -1]},
  "Taxon": "Romanian",        "Segments": [34, 13, 14, 33, 5, -1, -1]}
}],
{
  "Name": "ToPull-Trahere", "Data": [
    {
      "Taxon": "Latin",           "Segments": [26, 15, 5, 49, 6, 15, 6]},
      "Taxon": "French",          "Segments": [26, 19, -1, -1, 12, 19, -1]},
      "Taxon": "Italian",         "Segments": [26, 15, 5, 15, -1, 15, 6]},
      "Taxon": "PortugueseBrazil", "Segments": [26, 8, 5, 35, 6, -1, -1]},
      "Taxon": "Portuguese",      "Segments": [26, 8, 9, 35, 6, 8, -1]},
      "Taxon": "Catalan",         "Segments": [26, 8, 12, 47, -1, 8, 24]},
      "Taxon": "Friulian",        "Segments": [26, 15, 43, -1, -1, -1, -1]},
      "Taxon": "Romanian",        "Segments": [26, 15, 5, 68, 6, -1, -1]}
    ]
  },
{
  "Name": "ToPush-Primary", "Data": [
    {
      "Taxon": "Latin",           "Segments": [3, 2, 34, 3, 4, 63, 6, 15, 6]},
      "Taxon": "Italian",         "Segments": [3, 2, 34, 3, 4, 68, 6, 15, 6]},
      "Taxon": "Catalan",         "Segments": [24, 2, 34, 12, 22, -1, 24, -1, -1]},
      "Taxon": "Romanian",        "Segments": [31, 2, 34, 3, 4, 68, 6, -1, -1]}
    ]
  },
{
  "Name": "ToThrow-Primary", "Data": [
    {
      "Taxon": "Latin",           "Segments": [10, 5, 39, 26, 41, 15, 6]},
      "Taxon": "French",          "Segments": [80, 24, -1, 26, 6, -1, -1]},
      "Taxon": "Spanish",         "Segments": [-1, 6, -1, 30, 5, 8, -1]},
      "Taxon": "Italian",         "Segments": [68, 6, 26, 26, 5, 15, 6]},
      "Taxon": "PortugueseBrazil", "Segments": [80, 45, -1, 26, 5, 8, -1]},
      "Taxon": "Portuguese",      "Segments": [80, 45, -1, 26, 5, 8, -1]},
      "Taxon": "Catalan",         "Segments": [16, 3, -1, 26, 5, -1, -1]},
      "Taxon": "Walloon",         "Segments": [68, 12, -1, 26, 6, -1, -1]}
    ]
  },
{
  "Name": "ToThrow-Lanceare", "Data": [
    {
      "Taxon": "Latin",           "Segments": [14, 5, 4, 39, 6, 41, 15, 6]},
      "Taxon": "French",          "Segments": [14, 27, -1, 33, -1, 6, -1, -1]},
      "Taxon": "Spanish",         "Segments": [14, 5, 4, 44, -1, 5, 8, -1]},
      "Taxon": "Italian",         "Segments": [14, 5, 4, 30, -1, 5, 15, 6]},
      "Taxon": "PortugueseBrazil", "Segments": [14, 29, -1, 33, -1, 5, -1, -1]},
      "Taxon": "Portuguese",      "Segments": [14, 29, -1, 33, -1, 5, 8, -1]},
      "Taxon": "Catalan",         "Segments": [18, 24, 4, 33, -1, 5, -1, -1]},
      "Taxon": "Walloon",         "Segments": [14, 27, -1, 33, -1, 3, -1, -1]},
      "Taxon": "Friulian",        "Segments": [14, 5, 4, 30, -1, 41, -1, -1]}
    ]
  },
{
  "Name": "ToThrow-Eruncare", "Data": [
    {
      "Taxon": "Latin",           "Segments": [1, -1, 15, 13, 4, 39, 41, 15, 6]},
      "Taxon": "Spanish",         "Segments": [5, -1, 15, 5, 4, 39, 5, 8, -1]},
      "Taxon": "Italian",         "Segments": [5, 15, 15, 17, 4, 30, 5, 15, 6]},
      "Taxon": "Romanian",        "Segments": [5, -1, 8, 13, 71, 39, 5, -1, -1]}
    ]
  },
{
  "Name": "ToTie-Primary", "Data": [
    {
      "Taxon": "Latin",           "Segments": [14, 3, 63, 41, 15, 6]},
      "Taxon": "French",          "Segments": [14, 3, -1, 6, -1, -1]},
    ]
  }
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish",      "Segments": [14, 6, 63, 5, 8, -1]},
  "Taxon": "Italian",     "Segments": [14, 6, 63, 5, 15, 6]},
  "Taxon": "Catalan",     "Segments": [18, 3, 82, 5, -1, -1]},
  "Taxon": "Walloon",     "Segments": [14, 65, 3, -1, -1, -1]},
  "Taxon": "Friulian",    "Segments": [14, 6, -1, 41, -1, -1]},
  "Taxon": "Romanian",    "Segments": [14, 6, 63, 5, -1, -1]}
}],
{
  "Name": "ToTie-Aptare", "Data": [
    {"Taxon": "Latin",      "Segments": [5, 34, 26, 41, 15, 6]},
    {"Taxon": "Spanish",    "Segments": [5, -1, 26, 5, 8, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [9, -1, 26, 5, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [9, -1, 26, 5, 8, -1]}
  ]
},
{
  "Name": "ToSew-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 38, 4, -1, 33, 13, 6, 15, 6]},
    {"Taxon": "French",     "Segments": [39, 13, -1, 21, -1, -1, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 17, -1, -1, 33, -1, 6, 8, -1]},
    {"Taxon": "Italian",    "Segments": [39, 13, -1, -1, 30, -1, 3, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 13, -1, -1, 35, -1, 6, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [39, 13, -1, -1, 35, -1, 6, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [39, 13, -1, -1, 35, -1, 3, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [39, 73, -1, -1, 35, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [39, 13, -1, -1, 35, -1, 3, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [54, 25, -1, -1, 33, -1, 6, -1, -1]}
  ]
},
{
  "Name": "ToCount-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 17, 2, 34, 13, 26, 41, 15, 6]},
    {"Taxon": "French",     "Segments": [39, 48, -1, -1, -1, 26, 6, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 17, 4, -1, -1, 26, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [39, 17, 4, -1, -1, 26, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 48, -1, -1, -1, 26, 5, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [39, 48, -1, -1, -1, 26, 5, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [39, 13, 2, -1, -1, 26, 5, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [39, 17, -1, -1, -1, 26, 6, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [39, 17, 4, -1, -1, 26, 41, -1, -1]}
  ]
},
{
  "Name": "ToCount-Numerare", "Data": [
    {"Taxon": "Latin",      "Segments": [4, 13, 2, -1, 6, 15, 41, 15, 6]},
    {"Taxon": "French",     "Segments": [4, 72, -1, 7, -1, 19, 6, -1, -1]},
    {"Taxon": "Italian",    "Segments": [4, 17, 50, -1, 6, 15, 5, 15, 6]},
    {"Taxon": "Catalan",    "Segments": [4, 13, 2, -1, 6, 8, 5, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [4, 13, 2, -1, 6, 15, 41, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [4, 13, 2, -1, 5, 15, 5, -1, -1]}
  ]
},
{
  "Name": "ToSay-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [21, 20, 39, 6, 15, 6]},
    {"Taxon": "French",     "Segments": [21, 3, -1, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [21, 6, 44, 3, 8, -1]},
    {"Taxon": "Italian",    "Segments": [21, 3, -1, -1, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [21, 3, 35, 6, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [21, 3, 35, 6, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [21, 3, -1, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [21, 3, -1, -1, 15, -1]},
    {"Taxon": "Friulian",   "Segments": [21, 20, -1, -1, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [35, 3, 30, 6, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToSay-Exponere", "Data": [
    { "Taxon": "Latin", "Segments": [6, 39, 33, 34, 38, 4, 6, 15, 6] },
    { "Taxon": "Italian", "Segments": [-1, -1, 33, 34, 17, 15, -1, 15, 6] },
    { "Taxon": "Romanian", "Segments": [-1, -1, 33, 34, 13, 4, 6, -1, -1] }
  ],
  "Name": "ToSing-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [39, 5, 4, 26, 41, 15, 6] },
    { "Taxon": "French", "Segments": [36, 27, -1, 26, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [39, 5, 4, 26, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [39, 5, 4, 26, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [39, 29, -1, 26, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [39, 29, -1, 26, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [39, 24, 4, 26, 5, -1, -1] },
    { "Taxon": "Walloon", "Segments": [30, 27, -1, 26, 6, -1, -1] },
    { "Taxon": "Friulian", "Segments": [54, 5, 4, 26, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [39, 31, 4, 26, 5, -1, -1] }
  ],
  "Name": "ToPlay-Ludere", "Data": [
    { "Taxon": "Latin", "Segments": [14, 60, 21, 6, 15, 6] },
    { "Taxon": "Spanish", "Segments": [14, 13, 21, 3, 8, -1] }
  ],
  "Name": "ToPlay-Jiocare", "Data": [
    { "Taxon": "Latin", "Segments": [10, 17, -1, 39, 41, 15, 6] },
    { "Taxon": "French", "Segments": [80, -1, 47, -1, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [16, 13, -1, 63, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [68, 17, -1, 39, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [80, 17, -1, 63, 5, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [80, 13, -1, 82, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [80, 13, -1, 63, 5, -1, -1] },
    { "Taxon": "Walloon", "Segments": [68, 13, 47, -1, 6, -1, -1] },
    { "Taxon": "Friulian", "Segments": [68, 13, 10, -1, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [80, 13, -1, 39, 5, -1, -1] }
  ],
  "Name": "ToFloat-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [0, 14, 60, 39, 26, 13, 41, 15, 6] },
    { "Taxon": "French", "Segments": [0, 14, 62, 39, 26, 61, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [0, 14, 13, 63, 26, 47, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [0, 14, 13, 26, 26, 13, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [0, 14, 13, -1, 26, 13, 5, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [0, 14, 13, -1, 26, 13, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [0, 14, 13, 39, 26, 13, 5, -1, -1] },
    { "Taxon": "Romanian", "Segments": [0, 14, 13, 54, 26, 13, 5, -1, -1] }
  ],
  "Name": "ToFlow-Primary", "Data": [
    { "Taxon": "French", "Segments": [0, 14, 62, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [0, 14, 13, 3, 8, -1] },
    { "Taxon": "Italian", "Segments": [0, 14, 13, 3, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [0, 14, 47, 3, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [0, 14, 47, 3, 8, -1] },
    { "Taxon": "Catalan", "Segments": [0, 14, 13, 3, -1, -1] }
  ],
  "Name": "ToFlow-Colare", "Data": [
    { "Taxon": "Latin", "Segments": [39, 38, 14, 41, 15, 6] },
    { "Taxon": "French", "Segments": [39, 13, 14, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [39, 17, 14, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [39, 17, 14, 5, 15, 6] },
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [39, 17, -1, 5, 19, -1]},
  "Taxon": "Portuguese",       "Segments": [39, 13, -1, 5, 8, -1]},
  "Taxon": "Catalan",         "Segments": [39, 13, 58, 5, -1, -1]},
  "Taxon": "Walloon",         "Segments": [39, 23, 14, 6, -1, -1]},
  "Taxon": "Friulian",        "Segments": [39, 17, 14, 41, -1, -1]}
}],
{
  "Name": "ToFlow-Excurrere", "Data": [
    {"Taxon": "Latin",       "Segments": [6, 39, 33, 39, 13, 15, 15, 6, 15, 6]},
    {"Taxon": "Spanish",     "Segments": [6, -1, 33, 39, 13, -1, 15, 3, 8, -1]},
    {"Taxon": "Italian",     "Segments": [-1, -1, 33, 39, 17, 15, 15, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, -1, 36, 39, 17, -1, 19, 6, 19, -1]},
    {"Taxon": "Portuguese",   "Segments": [3, -1, 36, 39, 13, -1, 75, 6, 8, -1]},
    {"Taxon": "Catalan",     "Segments": [24, -1, 33, 39, 17, -1, 15, 24, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [-1, -1, 33, 39, 23, -1, 15, 20, -1, -1]},
    {"Taxon": "Romanian",    "Segments": [-1, -1, 33, 39, 13, 8, 68, 6, -1, -1]}
  ]
},
{
  "Name": "ToFlow-Currere", "Data": [
    {"Taxon": "Latin",       "Segments": [39, 13, 15, 15, 6, 15, 6]},
    {"Taxon": "French",      "Segments": [39, 13, -1, 19, 3, 19, -1]},
    {"Taxon": "Spanish",     "Segments": [39, 17, -1, 15, 6, 8, -1]},
    {"Taxon": "Italian",     "Segments": [39, 17, 15, 15, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 17, -1, 19, 6, 19, -1]},
    {"Taxon": "Portuguese",   "Segments": [39, 13, -1, 19, 6, 8, -1]},
    {"Taxon": "Catalan",     "Segments": [39, 17, -1, 15, 24, -1, -1]},
    {"Taxon": "Walloon",     "Segments": [39, 23, -1, 15, 3, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [39, 23, -1, 15, 3, -1, -1]},
    {"Taxon": "Romanian",    "Segments": [39, 13, 8, 68, 6, -1, -1]}
  ]
},
{
  "Name": "ToFreeze-Primary", "Data": [
    {"Taxon": "Latin",       "Segments": [63, 6, 14, 41, 15, 6]},
    {"Taxon": "French",      "Segments": [80, 24, 14, 6, -1, -1]},
    {"Taxon": "Spanish",     "Segments": [-1, 6, 14, 5, 8, -1]},
    {"Taxon": "Italian",     "Segments": [68, 6, 14, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [80, 31, 14, 5, 8, -1]},
    {"Taxon": "Portuguese",   "Segments": [80, 31, 14, 5, 8, -1]},
    {"Taxon": "Catalan",     "Segments": [80, 24, 14, 5, -1, -1]},
    {"Taxon": "Walloon",     "Segments": [68, 5, 14, 6, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [68, 6, 14, 41, -1, -1]}
  ]
},
{
  "Name": "ToFreeze-Glaciare", "Data": [
    {"Taxon": "French",      "Segments": [63, 14, 5, -1, 33, -1, 6, -1, -1]},
    {"Taxon": "Italian",     "Segments": [63, 10, 5, 26, 30, 10, 5, 15, 6]},
    {"Taxon": "Catalan",     "Segments": [63, 14, 24, -1, 33, -1, 5, -1, -1]},
    {"Taxon": "Friulian",    "Segments": [63, 14, 5, -1, 30, -1, 41, -1, -1]}
  ]
},
{
  "Name": "ToFreeze-Inglaciare", "Data": [
    {"Taxon": "Latin",       "Segments": [3, 4, 63, 14, 5, 39, 3, 41, 15, 6]},
    {"Taxon": "Romanian",    "Segments": [31, 4, 63, -1, 6, 40, -1, 5, -1, -1]}
  ]
},
{
  "Name": "ToSwell-Primary", "Data": [
    {"Taxon": "Latin",       "Segments": [3, 4, 0, 14, 41, 15, 6]},
    {"Taxon": "French",      "Segments": [27, -1, 0, 14, 6, -1, -1]},
    {"Taxon": "Spanish",     "Segments": [3, 4, 30, -1, 5, 8, -1]},
    {"Taxon": "Italian",     "Segments": [6, 4, 0, 3, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 36, -1, 5, 8, -1]},
    {"Taxon": "Portuguese",   "Segments": [28, -1, 36, -1, 5, 8, -1]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Catalan",      "Segments": [3, 2, 0, 14, 5, -1, -1]},
  "Taxon": "Walloon",      "Segments": [56, -1, 0, 14, 6, -1, -1]},
  "Taxon": "Friulian",     "Segments": [6, 4, 0, 14, 41, -1, -1]},
  "Taxon": "Romanian",     "Segments": [13, 2, 0, 14, 5, -1, -1]}
}],
{
  "Name": "ToSwell-Conflare", "Data": [
    {
      "Taxon": "Latin",      "Segments": [-1, 39, -1, 17, 4, 0, 14, 41, 15, 6]},
      "Taxon": "French",     "Segments": [-1, 63, -1, 48, -1, 0, 14, 6, -1, -1]},
      "Taxon": "Italian",    "Segments": [-1, 63, -1, 17, 4, 0, 10, 5, 15, 6]},
      "Taxon": "Walloon",    "Segments": [-1, 63, -1, 72, -1, 0, 14, 6, -1, -1]},
      "Taxon": "Friulian",    "Segments": [35, 63, 14, 17, 4, 0, -1, 41, -1, -1]}
    ]
  },
  {
    "Name": "ToSwell-Intumescere", "Data": [
      {
        "Taxon": "Latin",      "Segments": [3, 4, 26, 13, 2, 1, 33, 39, 6, 15, 6]},
        "Taxon": "Spanish",    "Segments": [6, 4, 26, 13, 2, 6, 44, -1, 6, 8, -1]},
        "Taxon": "PortugueseBrazil", "Segments": [28, -1, 26, 13, 2, 6, 33, -1, 6, 8, -1]},
        "Taxon": "Portuguese",  "Segments": [28, -1, 26, 13, 2, 6, 33, -1, 6, 8, -1]}
      ]
    },
    {
      "Name": "ToSwell-Crescere", "Data": [
        {
          "Taxon": "Latin",      "Segments": [39, 15, -1, 1, 33, 39, 1, 15, 6]},
          "Taxon": "French",     "Segments": [39, 19, 47, 5, -1, 26, -1, 19, -1]},
          "Taxon": "Spanish",    "Segments": [39, 8, -1, 6, 44, -1, 6, 8, -1]},
          "Taxon": "Italian",    "Segments": [39, 15, -1, 6, 36, 36, 6, 15, 6]},
          "Taxon": "PortugueseBrazil", "Segments": [39, 8, -1, 6, 33, -1, 6, 19, -1]},
          "Taxon": "Portuguese",  "Segments": [39, 8, -1, 31, 36, 33, 6, 8, -1]},
          "Taxon": "Catalan",     "Segments": [39, 8, -1, 6, -1, 36, 24, -1, -1]},
          "Taxon": "Walloon",     "Segments": [39, 15, -1, 12, 49, -1, -1, -1, -1]},
          "Taxon": "Friulian",    "Segments": [39, 15, -1, 12, 33, -1, 3, -1, -1]},
          "Taxon": "Romanian",    "Segments": [39, 8, -1, 6, 36, 26, 6, -1, -1]}
        ]
      },
      {
        "Name": "ToBurn-Cremare", "Data": [
          {
            "Taxon": "Latin",      "Segments": [39, 15, 6, 2, 41, 15, 6]},
            "Taxon": "French",     "Segments": [39, 19, 5, 2, 6, -1, -1]},
            "Taxon": "Spanish",    "Segments": [39, -1, 6, 2, 5, 8, -1]},
            "Taxon": "Italian",    "Segments": [39, 15, 6, 2, 5, 15, 6]},
            "Taxon": "PortugueseBrazil", "Segments": [39, -1, 46, 2, 5, 8, 6]},
            "Taxon": "Portuguese",  "Segments": [39, -1, 45, 2, 5, 19, 6]},
            "Taxon": "Catalan",     "Segments": [39, 15, 24, 2, 5, -1, -1]}
          ]
        },
        {
          "Name": "ToBurn-Flammare", "Data": [
            {
              "Taxon": "Latin",      "Segments": [0, 14, 5, 2, 2, 41, 15, 6]},
              "Taxon": "French",     "Segments": [0, 14, 5, -1, 2, 6, -1, -1]},
              "Taxon": "Catalan",    "Segments": [0, 58, 5, -1, 2, 5, -1, -1]}
            ]
          },
          {
            "Name": "ToBurn-Ardere", "Data": [
              {
                "Taxon": "Latin",      "Segments": [5, 15, 21, 1, 15, 6]},
                "Taxon": "French",     "Segments": [5, 19, 21, -1, 19, -1]},
                "Taxon": "Spanish",    "Segments": [5, 8, 21, 6, 8, -1]},
                "Taxon": "Italian",    "Segments": [5, 15, 21, 6, 15, 6]},
                "Taxon": "PortugueseBrazil", "Segments": [5, 19, 21, 6, 19, -1]},
                "Taxon": "Portuguese",  "Segments": [9, 8, 21, 6, 8, -1]},
                "Taxon": "Friulian",    "Segments": [5, 15, 21, 3, -1, -1]},
                "Taxon": "Romanian",    "Segments": [5, 8, 21, 6, -1, -1]}
              ]
            },
            {
              "Name": "ToBurn-Flagrare", "Data": [
                {
                  "Taxon": "Latin",      "Segments": [0, 14, 5, 63, 15, 41, 15, 6]},
                }
              ]
            }
          ]
        }
      ]
    }
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "French",          "Segments": [0, 14, 5, 63, 19, 6, -1, -1]},
  "Taxon": "Spanish",        "Segments": [0, 14, 5, 63, 8, 5, 8, -1]},
  "Taxon": "Italian",         "Segments": [0, 14, 5, 63, 15, 5, 15, 6]},
  "Taxon": "PortugueseBrazil", "Segments": [0, 14, 5, 63, 19, 5, 19, -1]},
  "Taxon": "Portuguese",      "Segments": [0, 14, 5, 63, 8, 5, 8, -1]}
}],
{
  "Name": "ToBurn-Incendere", "Data": [
    {"Taxon": "Latin",          "Segments": [3, 4, 39, 6, 4, 21, -1, 6, 15, 6]},
    {"Taxon": "Spanish",        "Segments": [6, 4, 44, 6, 4, 21, -1, 6, 8, -1]},
    {"Taxon": "Italian",         "Segments": [3, 4, 30, 12, 4, 21, -1, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 33, 6, 4, 68, 78, 5, 8, -1]},
    {"Taxon": "Portuguese",      "Segments": [28, -1, 33, 56, -1, 21, 10, 5, 8, -1]},
    {"Taxon": "Catalan",         "Segments": [24, 4, 33, 6, 4, 21, -1, -1, 8, 24]},
    {"Taxon": "Romanian",        "Segments": [31, 4, 30, 3, 4, 21, 80, 6, -1, -1]}
  ]
},
{
  "Name": "ToBurn-Ustulare", "Data": [
    {"Taxon": "Latin",          "Segments": [13, 33, 26, 13, 14, 41, 15, 6]},
    {"Taxon": "Italian",         "Segments": [13, 33, 26, 17, 14, 5, 15, 6]},
    {"Taxon": "Romanian",        "Segments": [13, 33, 26, 13, 15, 5, -1, -1]}
  ]
},
{
  "Name": "All-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [17, 2, 4, 3, 33]},
    {"Taxon": "Italian",         "Segments": [17, 22, 22, 3, -1]}
  ]
},
{
  "Name": "All-Totus", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 38, -1, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [26, 13, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [26, 17, -1, 21, 17, -1]},
    {"Taxon": "Italian",         "Segments": [26, 13, 26, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 17, -1, 21, 13, -1]},
    {"Taxon": "Portuguese",      "Segments": [26, 17, -1, 37, 13, -1]},
    {"Taxon": "Catalan",         "Segments": [26, 17, -1, 26, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [26, 23, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [21, 13, -1, 26, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [26, 17, -1, 26, -1, -1]}
  ]
},
{
  "Name": "Many-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [2, 13, 14, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [2, 13, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [2, 13, -1, 30, 17, -1]},
    {"Taxon": "Italian",         "Segments": [2, 17, 14, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [2, 84, 86, -1, 26, 13]},
    {"Taxon": "Portuguese",      "Segments": [2, 84, 86, -1, 26, 13]},
    {"Taxon": "Catalan",         "Segments": [2, 17, 14, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [2, 17, 14, 54, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [2, 13, 14, 26, -1, -1]}
  ]
},
{
  "Name": "Many-Tantus", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 5, 4, 26, 13, 33]},
    {"Taxon": "Spanish",        "Segments": [26, 5, 4, 26, 17, -1]},
    {"Taxon": "Italian",         "Segments": [26, 5, 4, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 29, -1, 26, 13, -1]},
    {"Taxon": "Portuguese",      "Segments": [26, 29, -1, 26, 13, -1]},
    {"Taxon": "Catalan",         "Segments": [26, 5, 4, 26, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [26, 5, 4, 54, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Some-Primary", "Data": [
    { "Taxon": "French", "Segments": [17, -1, 39, 87, -1, -1] },
    { "Taxon": "Spanish", "Segments": [5, 14, 63, 13, 4, 17] },
    { "Taxon": "Italian", "Segments": [5, 14, 39, 13, 4, 17] },
    { "Taxon": "PortugueseBrazil", "Segments": [5, 47, 63, 84, -1, -1] },
    { "Taxon": "Portuguese", "Segments": [5, 58, 63, 84, -1, -1] },
    { "Taxon": "Catalan", "Segments": [24, 14, 63, 13, -1, -1] },
    { "Taxon": "Walloon", "Segments": [5, 14, 39, 23, 4, -1] }
  ]
},
{
  "Name": "Few-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [34, 51, 39, 13, 33] },
    { "Taxon": "French", "Segments": [34, 73, -1, -1, -1] },
    { "Taxon": "Spanish", "Segments": [34, 17, 39, 17, -1] },
    { "Taxon": "Italian", "Segments": [34, 23, 39, 17, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [34, 17, 47, 39, 13] },
    { "Taxon": "Portuguese", "Segments": [34, 17, 47, 39, 13] },
    { "Taxon": "Catalan", "Segments": [34, 23, 39, -1, -1] },
    { "Taxon": "Walloon", "Segments": [34, 17, -1, -1, -1] },
    { "Taxon": "Friulian", "Segments": [34, 38, 39, -1, -1] }
  ]
},
{
  "Name": "Other-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [5, 14, 26, 6, 15, -1] },
    { "Taxon": "French", "Segments": [17, -1, 26, -1, 19, -1] },
    { "Taxon": "Spanish", "Segments": [17, -1, 26, -1, 8, 17] },
    { "Taxon": "Italian", "Segments": [5, 14, 26, -1, 15, 17] },
    { "Taxon": "PortugueseBrazil", "Segments": [17, 47, 26, -1, 8, 13] },
    { "Taxon": "Portuguese", "Segments": [17, 47, 26, -1, 8, 13] },
    { "Taxon": "Catalan", "Segments": [5, 14, 26, -1, 8, 24] },
    { "Taxon": "Walloon", "Segments": [17, -1, 26, -1, -1, -1] },
    { "Taxon": "Friulian", "Segments": [5, 14, 26, -1, 15, 3] },
    { "Taxon": "Romanian", "Segments": [5, 14, 26, -1, -1, -1] }
  ]
},
{
  "Name": "Other-Alius", "Data": [
    { "Taxon": "Latin", "Segments": [5, 14, 3, 13, 33] },
    { "Taxon": "PortugueseBrazil", "Segments": [5, 47, -1, -1, -1] },
    { "Taxon": "Portuguese", "Segments": [5, 58, -1, -1, -1] }
  ]
},
{
  "Name": "Big-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [2, 5, 63, 4, 13, 33] },
    { "Taxon": "Spanish", "Segments": [2, 5, -1, 22, 17, -1] },
    { "Taxon": "Italian", "Segments": [2, 5, 22, 22, 17, -1] }
  ]
},
{
  "Name": "Big-Grandem", "Data": [
    { "Taxon": "Latin", "Segments": [63, 15, 5, 4, 21, 6, 2] },
    { "Taxon": "French", "Segments": [63, 19, 27, -1, -1, -1, -1] },
    { "Taxon": "Spanish", "Segments": [63, 8, 5, 4, 21, 6, -1] },
    { "Taxon": "Italian", "Segments": [63, 15, 5, 4, 21, 6, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [63, 8, 29, -1, 68, 3, -1] },
    { "Taxon": "Portuguese", "Segments": [63, 8, 29, -1, 21, 31, -1] },
    { "Taxon": "Catalan", "Segments": [63, 15, 5, 4, -1, -1, -1] },
    { "Taxon": "Walloon", "Segments": [63, 15, 27, -1, -1, -1, -1] },
    { "Taxon": "Friulian", "Segments": [63, 15, 5, 4, 26, -1, -1] }
  ]
},
{
  "Name": "Big-Majjorem", "Data": [
    { "Taxon": "Latin", "Segments": [2, 43, 10, 38, 15, 6, 2] },
    { "Taxon": "Romanian", "Segments": [2, 5, -1, -1, -1, 8, 6] }
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
}},
{"Name": "Long-Longum", "Data": [
  {"Taxon": "Latin", "Segments": [14, 17, 4, 63, 13, 33]},
  {"Taxon": "French", "Segments": [14, 72, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [14, 17, 4, 63, 17, -1]},
  {"Taxon": "Italian", "Segments": [14, 13, 4, 63, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 48, -1, 63, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 48, -1, 63, 13, -1]},
  {"Taxon": "Catalan", "Segments": [18, 17, 71, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [14, 72, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [14, 13, 4, 39, -1, -1]},
  {"Taxon": "Romanian", "Segments": [14, 13, 4, 63, -1, -1]}
]},
{"Name": "Long-Largum", "Data": [
  {"Taxon": "Latin", "Segments": [14, 5, 15, 63, 13, 33]},
  {"Taxon": "French", "Segments": [14, 5, 19, 80, -1, -1]},
  {"Taxon": "Spanish", "Segments": [14, 5, 8, 82, 17, -1]},
  {"Taxon": "Italian", "Segments": [14, 5, 15, 63, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 5, 19, 63, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 5, 8, 63, 13, -1]},
  {"Taxon": "Catalan", "Segments": [18, 5, 8, 39, -1, -1]},
  {"Taxon": "Walloon", "Segments": [14, 5, -1, 68, -1, -1]},
  {"Taxon": "Friulian", "Segments": [14, 5, 15, 39, -1, -1]},
  {"Taxon": "Romanian", "Segments": [14, 5, 15, 63, -1, -1]}
]},
{"Name": "Wide-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [14, 41, 26, 13, 33]},
  {"Taxon": "French", "Segments": [14, 6, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [14, 5, 26, 17, -1]},
  {"Taxon": "Italian", "Segments": [14, 5, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 5, 26, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 5, 26, 13, -1]},
  {"Taxon": "Romanian", "Segments": [14, 5, 26, -1, -1]}
]},
{"Name": "Wide-Amplum", "Data": [
  {"Taxon": "Latin", "Segments": [5, 2, 34, 14, 13, 33]},
  {"Taxon": "French", "Segments": [27, -1, 34, 14, -1, -1]},
  {"Taxon": "Spanish", "Segments": [5, 4, 30, -1, 17, -1]},
  {"Taxon": "Italian", "Segments": [5, 2, 34, 10, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [29, -1, 36, -1, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [29, -1, 36, -1, 13, -1]},
  {"Taxon": "Catalan", "Segments": [5, 2, 34, 14, 24, -1]},
  {"Taxon": "Walloon", "Segments": [27, -1, 34, -1, -1, -1]}
]},
{"Name": "Thick-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [39, 15, 5, 33, 33, 13, 33]},
  {"Taxon": "French", "Segments": [63, 19, 59, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [63, 8, 5, -1, 33, 17, -1]},
  {"Taxon": "Italian", "Segments": [63, 15, 5, 33, 33, 17, -1]},
  {"Taxon": "Portuguese", "Segments": [63, 8, 5, -1, 36, 13, -1]},
  {"Taxon": "Catalan", "Segments": [63, 8, 5, -1, 33, -1, -1]},
  {"Taxon": "Walloon", "Segments": [39, 15, 59, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [63, 15, 5, 33, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [63, 15, 5, 33, -1, -1, -1]}
]},
{"Name": "Thick-Spissum", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin",          "Segments": [-1, 33, 34, 3, 33, 33, 13, 33]},
  "Taxon": "French",        "Segments": [6, -1, 34, 6, -1, -1, -1, -1]},
  "Taxon": "Spanish",       "Segments": [6, 33, 34, 6, 33, 17, -1, -1]},
  "Taxon": "Italian",       "Segments": [-1, 33, 34, 6, 33, 33, 17, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 12, -1, 33, 13, -1]},
  "Taxon": "Portuguese",    "Segments": [3, 36, 34, 6, -1, 33, 13, -1]},
  "Taxon": "Catalan",       "Segments": [24, 33, 34, 12, -1, 33, -1, -1]},
  "Taxon": "Walloon",       "Segments": [-1, 33, 34, 12, -1, -1, -1, -1]}
}],
{
  "Name": "Thick-Gurdum", "Data": [
    {
      "Taxon": "Latin",          "Segments": [63, 13, 15, 21, 13, 33]},
      "Taxon": "Spanish",       "Segments": [63, 17, 8, 21, 17, -1]}
    ]
},
{
  "Name": "Thick-Grossus", "Data": [
    {
      "Taxon": "Latin",          "Segments": [63, 15, 17, -1, 33, 33, 13, 33]},
      "Taxon": "French",        "Segments": [63, 19, 17, -1, -1, -1, -1, -1]},
      "Taxon": "Italian",       "Segments": [63, 15, 23, -1, 33, 33, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [63, 8, 17, -1, -1, 33, 13, -1]},
      "Taxon": "Portuguese",    "Segments": [63, 8, 17, -1, -1, 33, 13, -1]},
      "Taxon": "Catalan",       "Segments": [63, 8, 23, -1, -1, 33, -1, -1]},
      "Taxon": "Walloon",       "Segments": [63, 8, 23, -1, -1, -1, -1, -1]},
      "Taxon": "Friulian",      "Segments": [63, 15, 47, 12, 33, -1, -1, -1]},
      "Taxon": "Romanian",     "Segments": [63, 15, 17, -1, 33, -1, -1, -1]}
    ]
},
{
  "Name": "Heavy-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [63, 15, 5, -1, -1, 47, 3, 33]},
      "Taxon": "French",        "Segments": [63, 19, 3, 10, 12, 0, -1, -1]},
      "Taxon": "Spanish",       "Segments": [63, 8, 5, -1, -1, 7, 6, -1]},
      "Taxon": "Italian",       "Segments": [63, 15, 12, -1, -1, 50, 6, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [63, 8, 5, -1, -1, 50, 3, -1]},
      "Taxon": "Portuguese",    "Segments": [63, 8, 5, -1, -1, 50, 31, -1]},
      "Taxon": "Catalan",       "Segments": [63, 8, 6, -1, -1, 47, -1, -1]},
      "Taxon": "Walloon",       "Segments": [63, 15, 59, -1, -1, 50, -1, -1]},
      "Taxon": "Friulian",      "Segments": [63, 15, 12, -1, -1, 50, 3, -1]},
      "Taxon": "Romanian",     "Segments": [63, 8, 6, -1, -1, 47, -1, -1]}
    ]
},
{
  "Name": "Heavy-Lurdus", "Data": [
    {
      "Taxon": "Latin",          "Segments": [14, 13, 15, 21, 13, 33]},
      "Taxon": "French",        "Segments": [14, 13, 19, -1, -1, -1]},
      "Taxon": "Spanish",       "Segments": [14, 6, 8, 21, 17, -1]},
      "Taxon": "Italian",       "Segments": [14, 17, 15, 21, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [14, 6, 8, 21, 17, -1]},
      "Taxon": "Portuguese",    "Segments": [14, 6, 8, 21, 17, -1]},
      "Taxon": "Walloon",       "Segments": [14, 13, 15, -1, -1, -1]}
    ]
},
{
  "Name": "Small-Primary", "Data": [
    {
      "Taxon": "Latin",          "Segments": [34, 3, 26, 26, 3, 26, 13, 33]},
      "Taxon": "French",        "Segments": [34, 24, -1, 26, 3, -1, -1, -1]},
      "Taxon": "Catalan",       "Segments": [34, 24, -1, 26, 3, 26, -1, -1]},
      "Taxon": "Walloon",       "Segments": [34, 3, -1, 26, 3, -1, -1, -1]}
    ]
},
{
  "Name": "Small-Pittinus", "Data": [
    {
      "Taxon": "Latin",          "Segments": [34, 3, 26, 26, 3, 4, 13, 33]},
      "Taxon": "Spanish",       "Segments": [34, 6, -1, 39, 6, 22, 17, -1]},
      "Taxon": "Italian",       "Segments": [34, 3, 26, 30, 3, 4, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [34, 6, -1, 39, 6, 4, 13, -1]},
    ]
}
```

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```

    {"Taxon": "Portuguese",      "Segments": [34, 31, -1, 39, 6, 4, 13, -1]},
    {"Taxon": "Romanian",       "Segments": [34, 13, -1, 40, 3, 4, -1, -1]}
  ]},
  {"Name": "Small-Pitulus", "Data": [
    {"Taxon": "Latin",          "Segments": [34, 3, -1, 26, 13, 14, 13, 33]},
    {"Taxon": "Italian",        "Segments": [34, 3, 39, 39, 17, 14, 17, -1]},
    {"Taxon": "Friulian",       "Segments": [34, 3, -1, 30, 13, 14, -1, -1]}
  ]},
  {"Name": "Short-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 13, 15, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [39, 13, 19, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [39, 17, 8, 26, 17, -1]},
    {"Taxon": "Italian",        "Segments": [39, 17, 15, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 13, 19, 26, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [39, 13, 8, 26, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [39, 13, 8, 26, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [39, 13, 15, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [39, 13, 15, 26, -1, -1]}
  ]},
  {"Name": "Short-Brevis", "Data": [
    {"Taxon": "Latin",          "Segments": [7, 15, 6, 47, 3, 33]},
    {"Taxon": "French",         "Segments": [7, 19, 12, 0, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 8, 6, 7, 6, -1]},
    {"Taxon": "Italian",        "Segments": [7, 15, 12, 50, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 8, 12, 50, 3, -1]},
    {"Taxon": "Portuguese",     "Segments": [7, 8, 12, 50, 31, -1]},
    {"Taxon": "Catalan",        "Segments": [7, 8, 6, 47, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [7, 15, 12, 0, -1, -1]}
  ]},
  {"Name": "Narrow-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [5, 4, 63, 13, 33, 26, 13, 33]},
    {"Taxon": "Spanish",        "Segments": [5, 4, 63, 17, 33, 26, 17, -1]},
    {"Taxon": "Italian",        "Segments": [5, 4, 63, 13, 33, 26, 17, -1]},
    {"Taxon": "Romanian",       "Segments": [31, 71, 63, 13, 33, 26, -1, -1]}
  ]},
  {"Name": "Narrow-Strictus", "Data": [
    {"Taxon": "Latin",          "Segments": [-1, 33, 26, 15, -1, 3, -1, 39, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [6, -1, 26, 19, 47, 5, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [6, 33, 26, 8, -1, 6, -1, -1, 30, 17, -1]},
    {"Taxon": "Italian",        "Segments": [-1, 33, 26, 15, -1, 6, -1, 26, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 26, 8, -1, 45, -1, -1, 26, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [31, 36, 26, 8, -1, 46, -1, -1, 26, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [24, 33, 26, 8, -1, 12, -1, -1, 26, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [-1, 33, 26, 15, -1, 88, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [-1, 33, 26, 15, -1, 12, -1, -1, 26, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [-1, 33, 26, 15, -1, 31, 2, -1, 26, -1, -1]}
  ]},
  {"Name": "Thin-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [2, 3, 4, 60, -1, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [2, 24, 4, 62, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [2, 6, 4, 13, -1, 21, 17, -1]},
    {"Taxon": "Italian",        "Segments": [2, 3, 4, 13, -1, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [2, 3, -1, 13, -1, 21, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [2, 3, -1, 13, -1, 37, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [2, 24, 4, 13, -1, 26, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [2, 11, 4, 13, -1, -1, -1, -1]}
  ]}

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    {"Taxon": "Friulian",      "Segments": [2, 3, 4, 60, -1, 26, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [2, 24, 15, 13, 4, 26, -1, -1]}
  ]},
  {"Name": "Thin-Delicatus", "Data": [
    {"Taxon": "Latin",        "Segments": [21, 1, 14, 3, 39, 41, 26, 13, 33]},
    {"Taxon": "French",       "Segments": [21, 60, -1, -1, 80, 1, -1, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [21, 6, 14, -1, 82, 5, 37, 17, -1]},
    {"Taxon": "Italian",      "Segments": [21, 6, 14, 3, 39, 5, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [21, 6, 47, -1, 63, 5, 21, 13, -1]},
    {"Taxon": "Portuguese",   "Segments": [21, 12, 58, -1, 82, 5, 37, 13, -1]},
    {"Taxon": "Catalan",     "Segments": [21, 24, 14, 3, 39, 5, 26, -1, -1]}
  ]},
  {"Name": "Thin-Subtilis", "Data": [
    {"Taxon": "Latin",        "Segments": [33, 13, 7, 26, 20, 14, 6, 2]},
    {"Taxon": "Spanish",      "Segments": [33, 13, -1, 26, 3, 14, -1, -1]},
    {"Taxon": "Italian",      "Segments": [33, 17, 26, 26, 3, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 13, -1, 30, 3, 47, -1, -1]},
    {"Taxon": "Portuguese",   "Segments": [33, 13, -1, 30, 3, 47, -1, -1]},
    {"Taxon": "Catalan",     "Segments": [33, 13, 34, 26, 3, 14, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [33, 13, -1, 26, 20, 14, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [33, 13, 7, 40, 3, 15, 6, -1]}
  ]},
  {"Name": "Warm-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [39, 5, 14, 3, 21, 13, 33]},
    {"Taxon": "French",       "Segments": [36, 17, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [39, 5, 14, -1, 21, 17, -1]},
    {"Taxon": "Italian",      "Segments": [39, 5, 14, -1, 21, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 5, 47, -1, 21, 13, -1]},
    {"Taxon": "Portuguese",   "Segments": [39, 5, 14, -1, 21, 13, -1]},
    {"Taxon": "Catalan",     "Segments": [39, 5, 58, -1, -1, -1, -1, -1]},
    {"Taxon": "Walloon",      "Segments": [30, 17, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [54, 5, 14, -1, 26, -1, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [39, 5, 14, -1, 21, -1, -1, -1]}
  ]},
  {"Name": "Cold-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [0, 15, -1, 20, 63, 3, 21, 13, 33]},
    {"Taxon": "French",       "Segments": [0, 19, 47, 5, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [0, 8, -1, 3, -1, -1, -1, 17, -1]},
    {"Taxon": "Italian",      "Segments": [0, 15, -1, 6, 21, -1, 21, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 8, -1, 3, -1, -1, -1, 13, -1]},
    {"Taxon": "Portuguese",   "Segments": [0, 8, -1, 3, -1, -1, -1, 13, -1]},
    {"Taxon": "Catalan",     "Segments": [0, 8, -1, 12, -1, -1, 26, -1, -1]},
    {"Taxon": "Walloon",      "Segments": [0, 75, -1, 73, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [0, 15, -1, 1, -1, -1, 26, -1, -1]}
  ]},
  {"Name": "Cold-Recens", "Data": [
    {"Taxon": "Latin",        "Segments": [15, 6, 39, -1, 6, 4, 26, 6, 2]},
    {"Taxon": "Spanish",      "Segments": [15, 6, 44, 10, 6, 4, 26, 6, -1]},
    {"Taxon": "Italian",      "Segments": [15, 6, 30, -1, 12, 4, 26, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 6, 33, -1, 56, -1, 30, 3, -1]},
    {"Taxon": "Portuguese",   "Segments": [19, 6, 33, -1, 56, -1, 30, 3, -1]},
    {"Taxon": "Friulian",     "Segments": [15, 6, 40, -1, 3, 4, 26, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [15, 6, 30, -1, 6, -1, -1, -1, -1]}
  ]},
  {"Name": "Full-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [34, 14, 1, 4, 13, 33]},

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```
{
  "Taxon": "French",          "Segments": [34, 14, 52, -1, -1, -1]},
  "Taxon": "Spanish",        "Segments": [-1, 18, 6, 4, 17, -1]},
  "Taxon": "Italian",        "Segments": [34, 10, 79, 4, 17, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [36, -1, 46, -1, 13, -1]},
  "Taxon": "Portuguese",     "Segments": [36, -1, 46, -1, 13, -1]},
  "Taxon": "Catalan",        "Segments": [34, 58, 12, -1, -1, -1]},
  "Taxon": "Walloon",        "Segments": [34, 14, 52, -1, -1, -1]},
  "Taxon": "Friulian",       "Segments": [34, 14, 12, 4, -1, -1]},
  "Taxon": "Romanian",       "Segments": [34, 14, 3, 4, -1, -1]}
}],
{
  "Name": "New-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [4, -1, 17, 47, 13, 33]},
    {"Taxon": "French",         "Segments": [4, -1, 13, 50, 17, -1]},
    {"Taxon": "Spanish",        "Segments": [4, 47, 6, 57, 17, -1]},
    {"Taxon": "Italian",        "Segments": [4, -1, 23, 50, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, -1, 17, 50, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [4, -1, 17, 50, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [4, -1, 23, 47, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [4, -1, 13, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [22, -1, 60, 0, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [4, -1, 17, 47, -1, -1]}
  ]
},
{
  "Name": "Old-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [47, -1, 6, 26, 13, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [50, 10, 73, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 10, 6, 16, 17, -1, -1, -1]},
    {"Taxon": "Italian",        "Segments": [50, -1, 12, 39, -1, 39, 10, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, -1, 46, -1, -1, 18, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [50, -1, 6, -1, -1, 18, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [50, -1, 6, -1, -1, 18, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [50, 3, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [50, 10, 6, -1, -1, -1, 3, -1]},
    {"Taxon": "Romanian",       "Segments": [50, -1, 6, 77, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Good-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [7, -1, 17, 4, 13, 33]},
    {"Taxon": "French",         "Segments": [7, -1, 48, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 47, 6, 4, 17, -1]},
    {"Taxon": "Italian",        "Segments": [7, 47, 23, 4, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 48, -1, -1, -1, -1]},
    {"Taxon": "Portuguese",     "Segments": [7, -1, 48, -1, -1, -1, -1]},
    {"Taxon": "Catalan",        "Segments": [7, -1, 23, 4, -1, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [7, -1, 72, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [7, -1, 23, 4, -1, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [7, -1, 13, 4, -1, -1, -1]}
  ]
},
{
  "Name": "Bad-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [2, 5, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [2, 5, 14, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [2, 5, 14, 17, -1]},
    {"Taxon": "Italian",        "Segments": [2, 5, 14, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [2, 5, 47, -1, -1]},
    {"Taxon": "Portuguese",     "Segments": [2, 5, 47, -1, -1]},
    {"Taxon": "Catalan",        "Segments": [2, 5, 14, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [2, 59, 50, 5, -1]},
    {"Taxon": "Friulian",       "Segments": [2, 41, 14, -1, -1]}
  ]
}
```

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```
}},
{"Name": "Rotten-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [34, 13, 26, 15, 3, 21, 13, 33]},
  {"Taxon": "Spanish", "Segments": [34, 17, 37, 8, 3, 37, 17, -1]},
  {"Taxon": "Italian", "Segments": [34, 13, 26, 15, 3, 21, 17, -1]},
  {"Taxon": "Catalan", "Segments": [34, 13, 37, 8, 3, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [34, 13, 26, 15, 6, 21, -1, -1]}
]},
{"Name": "Rotten-Putrem", "Data": [
  {"Taxon": "Latin", "Segments": [34, 13, 26, 15, 6, 2]},
  {"Taxon": "Spanish", "Segments": [34, 17, 37, 8, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [34, 17, 21, 8, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [34, 17, 37, 8, 31, -1]}
]},
{"Name": "Dirty-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [33, 17, 15, 21, 3, 21, 13, 33]},
  {"Taxon": "Spanish", "Segments": [33, 17, 8, 21, 3, 21, 17, -1]},
  {"Taxon": "Italian", "Segments": [33, 23, 15, 21, 3, 21, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 23, 8, 21, 3, 21, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [33, 23, 8, 21, 3, 21, 13, -1]}
]},
{"Name": "Dirty-Spurcus", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 33, 34, 13, 15, 54, 13, 33]},
  {"Taxon": "Italian", "Segments": [-1, 33, 34, 23, 15, 39, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 13, 8, 39, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [3, 36, 34, 13, 8, 39, 13, -1]},
  {"Taxon": "Friulian", "Segments": [-1, 33, 34, 23, 15, 39, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, 33, 34, 13, 15, 39, -1, -1]}
]},
{"Name": "Straight-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [21, 20, 15, -1, 1, 39, 26, 13, 33]},
  {"Taxon": "French", "Segments": [21, -1, 19, 47, 5, -1, -1, -1, -1]},
  {"Taxon": "Italian", "Segments": [21, -1, 15, -1, 3, 26, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [68, 3, 8, -1, 45, -1, 26, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 3, 8, -1, 46, -1, 26, 13, -1]},
  {"Taxon": "Catalan", "Segments": [21, -1, 8, -1, 12, -1, 26, -1, -1]},
  {"Taxon": "Walloon", "Segments": [21, -1, 15, -1, 73, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [21, -1, 15, -1, 12, -1, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [21, -1, 15, -1, 6, 34, 26, -1, -1]}
]},
{"Name": "Round-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [15, 17, 26, 13, 4, 21, 13, 33]},
  {"Taxon": "French", "Segments": [19, 48, -1, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [15, 6, 21, 17, 4, 21, 17, -1]},
  {"Taxon": "Italian", "Segments": [15, 3, 26, 17, 4, 21, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [19, 6, 21, 48, -1, 21, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [19, 31, 21, 48, -1, 21, 13, -1]},
  {"Taxon": "Catalan", "Segments": [15, 24, 21, 17, -1, -1, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [15, 72, -1, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 5, 15, 23, 4, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [15, 24, 26, 13, 4, 21, -1, -1]}
]},
{"Name": "SharpAsAKnife-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [5, 39, 60, 26, 13, 33]},
  {"Taxon": "Spanish", "Segments": [5, 82, 13, 37, 17, -1]},
  {"Taxon": "Portuguese", "Segments": [9, 82, 13, 37, 13, -1]},
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    {"Taxon": "Catalan",          "Segments": [24, 63, 13, 26, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [5, 63, 62, -1, -1, -1]}
  ]},
  {"Name": "DullAsAKnife-Primary", "Data": [
    {"Taxon": "Latin",           "Segments": [49, 6, 7, 6, 26, 6, 2]},
    {"Taxon": "Italian",         "Segments": [-1, 12, 7, 6, 26, 6, -1]}
  ]},
  {"Name": "DullAsAKnife-Retusus", "Data": [
    {"Taxon": "Latin",           "Segments": [15, 6, 26, 60, 33, 13, 33]},
    {"Taxon": "Italian",         "Segments": [15, 6, 26, 13, 35, 17, -1]}
  ]},
  {"Name": "Smooth-Primary", "Data": [
    {"Taxon": "Latin",           "Segments": [33, 13, 41, 47, 6, 2]},
    {"Taxon": "Italian",         "Segments": [33, 17, 5, 50, 6, -1]},
    {"Taxon": "Catalan",         "Segments": [33, 13, 5, 47, -1, -1]}
  ]},
  {"Name": "Smooth-Nitidus", "Data": [
    {"Taxon": "Latin",           "Segments": [4, 3, 26, 3, 21, 13, 33]},
    {"Taxon": "French",          "Segments": [4, 12, 26, -1, -1, -1, -1]},
    {"Taxon": "Spanish",         "Segments": [4, 3, 37, 3, -1, 17, -1]},
    {"Taxon": "Italian",         "Segments": [4, 6, 26, -1, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, 12, 68, 13, -1, -1, -1]},
    {"Taxon": "Portuguese",      "Segments": [4, 12, 68, 13, -1, -1, -1]},
    {"Taxon": "Catalan",         "Segments": [4, 12, 26, -1, -1, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [4, 12, 26, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [4, 12, 26, -1, -1, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [4, 6, 26, 6, 21, -1, -1]}
  ]},
  {"Name": "Wet-Primary", "Data": [
    {"Taxon": "Latin",           "Segments": [60, 2, 3, 21, 13, 33]},
    {"Taxon": "Italian",         "Segments": [13, 2, 3, 21, 17, -1]},
    {"Taxon": "Walloon",         "Segments": [62, 2, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [13, 2, 3, 21, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [13, 2, 6, 21, -1, -1]}
  ]},
  {"Name": "Wet-Udus", "Data": [
    {"Taxon": "Latin",           "Segments": [60, 21, 13, 33]},
    {"Taxon": "Romanian",        "Segments": [13, 21, -1, -1]}
  ]},
  {"Name": "Dry-Primary", "Data": [
    {"Taxon": "Latin",           "Segments": [33, 3, 39, 39, 13, 33]},
    {"Taxon": "French",          "Segments": [33, 12, -1, 39, -1, -1]},
    {"Taxon": "Spanish",         "Segments": [33, 6, -1, 39, 17, -1]},
    {"Taxon": "Italian",         "Segments": [33, 6, 39, 39, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 6, -1, 39, 13, -1]},
    {"Taxon": "Portuguese",      "Segments": [33, 6, -1, 39, 13, -1]},
    {"Taxon": "Catalan",         "Segments": [33, 12, 39, -1, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [33, 12, -1, 30, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [33, 12, -1, 39, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [33, 6, 39, -1, -1, -1]}
  ]},
  {"Name": "Correct-Primary", "Data": [
    {"Taxon": "Latin",           "Segments": [39, 17, 15, 15, 1, 39, 26, 13, 33]},
    {"Taxon": "Italian",         "Segments": [39, 17, 15, 15, 6, 26, 26, 17, -1]}
  ]},
  {"Name": "Near-Primary", "Data": [

```

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```

{"Taxon": "Latin", "Segments": [34, 15, 17, 39, 33, 3, -1, -1, 2, 13, 33]},
{"Taxon": "Spanish", "Segments": [34, 8, 17, 16, -1, 3, -1, -1, 2, 17, -1]},
{"Taxon": "Italian", "Segments": [34, 15, 23, 33, 33, 3, -1, -1, 2, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [34, 8, 17, -1, 33, 3, -1, -1, 2, 13, -1]},
{"Taxon": "Portuguese", "Segments": [34, 8, 17, -1, 33, 3, -1, -1, 2, 13, -1]},
{"Taxon": "Catalan", "Segments": [34, 8, 17, -1, -1, -1, 3, 35, 2, 6, -1]},
{"Taxon": "Walloon", "Segments": [34, 15, 17, -1, -1, -1, -1, -1, 2, -1, -1]},
{"Taxon": "Friulian", "Segments": [34, 15, 17, -1, 33, 3, -1, -1, 2, -1, -1]}
]},
{"Name": "Near-AdPrope", "Data": [
{"Taxon": "Latin", "Segments": [5, 21, 34, 15, 17, 34, 15, 6]},
{"Taxon": "Catalan", "Segments": [24, -1, 34, 8, 23, 34, -1, -1]},
{"Taxon": "Romanian", "Segments": [5, -1, 34, 15, 25, 34, -1, 6]}
]},
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{"Taxon": "Latin", "Segments": [34, 15, 6, 33, 33, 13, 33]},
{"Taxon": "French", "Segments": [34, 19, 6, -1, -1, -1, -1]},
{"Taxon": "Italian", "Segments": [34, 15, 12, 33, 33, 17, -1]},
{"Taxon": "Walloon", "Segments": [34, 15, 12, -1, -1, -1, -1]}
]},
{"Name": "Near-Vicinus", "Data": [
{"Taxon": "Latin", "Segments": [47, -1, 20, 39, 20, 4, 13, 33]},
{"Taxon": "French", "Segments": [50, 47, 5, 35, 52, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [7, -1, 6, 44, 3, 4, 17, -1]},
{"Taxon": "Italian", "Segments": [50, -1, 3, 30, 3, 4, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [50, -1, 3, 35, 3, 22, 13, -1]},
{"Taxon": "Portuguese", "Segments": [50, -1, 3, 35, 3, 22, 13, -1]},
{"Taxon": "Catalan", "Segments": [7, -1, 24, -1, 3, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [50, -1, 12, 49, 52, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [50, -1, 3, 30, 3, 4, -1, -1]},
{"Taxon": "Romanian", "Segments": [50, -1, 6, 30, 3, 4, -1, -1]}
]},
{"Name": "Near-Circa", "Data": [
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{"Taxon": "French", "Segments": [44, 6, 8, 39, 5]}
]},
{"Name": "Far-Primary", "Data": [
{"Taxon": "French", "Segments": [14, 47, 52, -1, 26, 52, -1, -1]},
{"Taxon": "Italian", "Segments": [14, -1, 17, 4, 26, 5, 4, 17]},
{"Taxon": "Catalan", "Segments": [18, -1, 13, 4, 26, 5, -1, -1]},
{"Taxon": "Friulian", "Segments": [14, -1, 17, 4, 26, 5, 4, -1]}
]},
{"Name": "Right-Dextrem", "Data": [
{"Taxon": "Latin", "Segments": [21, -1, 6, 39, 33, 26, 15, 13, 2]},
{"Taxon": "Spanish", "Segments": [21, 10, 6, -1, 33, 26, 8, 17, -1]},
{"Taxon": "Italian", "Segments": [21, -1, 12, -1, 33, 26, 15, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [21, -1, 12, -1, 33, 26, 8, 13, -1]},
{"Taxon": "Portuguese", "Segments": [21, -1, 12, -1, 36, 26, 8, 13, -1]},
{"Taxon": "Catalan", "Segments": [21, -1, 6, -1, 33, 26, 8, 24, -1]},
{"Taxon": "Walloon", "Segments": [21, 10, 12, -1, 33, 26, 15, -1, -1]},
{"Taxon": "Friulian", "Segments": [21, 10, 6, -1, 33, 26, 15, 3, -1]}
]},
{"Name": "Left-Primary", "Data": [
{"Taxon": "Latin", "Segments": [33, 3, 4, -1, 3, 33, 26, 15, 13, 2]},
{"Taxon": "French", "Segments": [33, 24, 4, -1, 12, 33, 26, 19, -1, -1]},
{"Taxon": "Spanish", "Segments": [33, 3, 4, 10, 6, 33, 26, 8, 17, -1]},

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Italian",          "Segments": [33, 3, 4, -1, 6, 33, 26, 15, 17, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [33, -1, -1, -1, 12, 36, 26, 8, 13, -1]},
  "Taxon": "Portuguese",      "Segments": [33, -1, -1, -1, 12, 36, 26, 8, 13, -1]},
  "Taxon": "Walloon",         "Segments": [33, 12, 22, 12, 33, -1, -1, -1, -1, -1]},
  "Taxon": "Friulian",        "Segments": [33, 3, 22, -1, 6, 33, 26, 15, 3, -1]}
}],
{
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    {"Taxon": "Latin",          "Segments": [15, 13, 33, 33, 13, 33]},
    {"Taxon": "French",         "Segments": [19, 13, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [15, 17, -1, 16, 17, -1]},
    {"Taxon": "Italian",        "Segments": [15, 17, 33, 33, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 17, -1, 36, 89, -1]},
    {"Taxon": "Portuguese",     "Segments": [19, 17, -1, 36, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [15, 17, -1, 33, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [15, 23, 68, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [15, 23, -1, 33, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [8, 17, -1, 36, 13, -1]}
  ]
},
{
  "Name": "Red-Vermiculus", "Data": [
    {"Taxon": "Latin",          "Segments": [50, 6, 15, 2, 3, 39, 13, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [50, 12, 19, 2, 76, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 6, 8, 2, 6, 16, 17, -1, -1, -1]},
    {"Taxon": "Italian",        "Segments": [50, 6, 15, 2, 3, 18, -1, 18, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 6, 19, 2, 6, -1, -1, 18, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [50, 31, 8, 2, 46, -1, -1, 18, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [7, 24, 15, 2, 12, -1, -1, 18, -1, -1]}
  ]
},
{
  "Name": "Red-Rubeus", "Data": [
    {"Taxon": "Latin",          "Segments": [15, 13, -1, 7, 6, 13, 33]},
    {"Taxon": "French",         "Segments": [19, 13, -1, 80, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [15, 13, -1, 7, 10, 17, -1]},
    {"Taxon": "Italian",        "Segments": [15, 23, 7, 7, 10, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [15, 13, -1, 7, 6, 17, -1]},
    {"Taxon": "Portuguese",     "Segments": [15, 13, -1, 7, 6, 17, -1]},
    {"Taxon": "Catalan",        "Segments": [15, 13, -1, 68, 6, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [15, 23, -1, 30, -1, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [15, 69, -1, 7, -1, -1, -1]}
  ]
},
{
  "Name": "Green-Primary", "Data": [
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    {"Taxon": "French",         "Segments": [50, 6, 19, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 6, 8, -1, 21, 6, -1]},
    {"Taxon": "Italian",        "Segments": [50, 6, 15, -1, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 6, 8, -1, 21, 31, -1]},
    {"Taxon": "Portuguese",     "Segments": [50, 6, 8, -1, 21, 31, -1]},
    {"Taxon": "Catalan",        "Segments": [50, 12, 8, -1, 26, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [50, 6, 15, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [50, 12, 15, -1, 26, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [50, 6, 8, -1, 21, 6, -1]}
  ]
},
{
  "Name": "Yellow-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [63, 5, 14, 7, 3, 4, 13, 33]},
    {"Taxon": "French",         "Segments": [80, 17, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [68, 12, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [63, 5, 14, 7, 6, 4, -1, -1]}
  ]
},
]
```


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```
{
  "Name": "Yellow-Amarellus", "Data": [
    { "Taxon": "Latin", "Segments": [5, 2, 5, 15, 6, 14, 14, 13, 33]}},
    { "Taxon": "Spanish", "Segments": [5, 2, 5, 8, 3, -1, 67, 17, -1]}},
    { "Taxon": "PortugueseBrazil", "Segments": [9, 2, 5, 8, 12, -1, 14, 13, -1]}},
    { "Taxon": "Portuguese", "Segments": [9, 2, 9, 8, 12, -1, 14, 13, -1]}},
  ],
  "Name": "Yellow-Croceus", "Data": [
    { "Taxon": "Latin", "Segments": [39, 15, 17, 39, 6, 13, 33]}},
    { "Taxon": "Italian", "Segments": [39, 15, 17, 30, 6, 17, -1]}},
    { "Taxon": "Catalan", "Segments": [63, 8, 23, 39, -1, -1, -1]}},
  ],
  "Name": "White-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [5, 14, 7, 13, 33]}},
    { "Taxon": "Spanish", "Segments": [5, 14, 7, 17, -1]}},
    { "Taxon": "Italian", "Segments": [5, 14, 7, 17, -1]}},
    { "Taxon": "PortugueseBrazil", "Segments": [5, 47, 50, 13, -1]}},
    { "Taxon": "Portuguese", "Segments": [5, 14, 50, 13, -1]}},
    { "Taxon": "Catalan", "Segments": [5, 14, 7, -1, -1]}},
    { "Taxon": "Romanian", "Segments": [5, 14, 7, -1, -1]}},
  ],
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    { "Taxon": "French", "Segments": [87, -1, -1, -1]}},
    { "Taxon": "Spanish", "Segments": [13, 4, 17, -1]}},
    { "Taxon": "Italian", "Segments": [13, 4, 17, -1]}},
    { "Taxon": "PortugueseBrazil", "Segments": [84, -1, -1, -1]}},
    { "Taxon": "Portuguese", "Segments": [84, -1, -1, -1]}},
    { "Taxon": "Catalan", "Segments": [13, 4, -1, -1]}},
    { "Taxon": "Walloon", "Segments": [72, -1, -1, -1]}},
    { "Taxon": "Friulian", "Segments": [13, 71, -1, -1]}},
    { "Taxon": "Romanian", "Segments": [13, 4, 13, -1]}},
  ],
  "Name": "Two-Duos", "Data": [
    { "Taxon": "Latin", "Segments": [21, 13, 38, 33]}},
    { "Taxon": "French", "Segments": [21, -1, 73, -1]}},
    { "Taxon": "Spanish", "Segments": [21, -1, 17, 33]}},
    { "Taxon": "PortugueseBrazil", "Segments": [21, -1, 69, 33]}},
    { "Taxon": "Portuguese", "Segments": [21, -1, 69, 36]}},
    { "Taxon": "Catalan", "Segments": [21, -1, 17, 33]}},
    { "Taxon": "Walloon", "Segments": [21, -1, 88, 33]}},
    { "Taxon": "Friulian", "Segments": [21, -1, 69, -1]}},
    { "Taxon": "Romanian", "Segments": [21, -1, 69, -1]}},
  ],
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    { "Taxon": "Italian", "Segments": [21, 13, -1, 6]}},
    { "Taxon": "Romanian", "Segments": [21, 17, 47, 24]}},
  ],
  "Name": "Two-Duas", "Data": [
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    { "Taxon": "PortugueseBrazil", "Segments": [21, 13, 9, 33]}},
    { "Taxon": "Portuguese", "Segments": [21, 13, 9, 36]}},
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    { "Taxon": "Latin", "Segments": [26, 15, -1, 1, 33]}},
    { "Taxon": "French", "Segments": [26, 19, 47, 59, -1]}},
  ]
}
```

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```
{
  "Taxon": "Spanish",      "Segments": [26, 8, -1, 6, 33]},
  "Taxon": "Italian",     "Segments": [26, 15, -1, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [26, 8, -1, 6, 33]},
  "Taxon": "Portuguese",  "Segments": [26, 8, -1, 6, 36]},
  "Taxon": "Catalan",     "Segments": [26, 15, -1, 12, 33]},
  "Taxon": "Walloon",     "Segments": [26, 15, -1, 73, 33]},
  "Taxon": "Friulian",    "Segments": [26, 15, -1, 1, -1]},
  "Taxon": "Romanian",    "Segments": [26, 15, -1, 45, -1]}
}],
{
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    {"Taxon": "French",     "Segments": [39, -1, 5, -1, 26, -1, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 47, 5, -1, 26, -1, -1, 8, 17]},
    {"Taxon": "Italian",    "Segments": [39, 47, 5, 26, 26, -1, -1, 15, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 47, 5, -1, 26, -1, -1, 8, 13]},
    {"Taxon": "Portuguese", "Segments": [39, 47, 5, -1, 26, -1, -1, 8, 13]},
    {"Taxon": "Catalan",    "Segments": [39, 47, 5, -1, 26, -1, -1, 8, 24]},
    {"Taxon": "Walloon",    "Segments": [39, 47, 5, -1, 26, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [39, 47, 5, -1, 26, -1, -1, 15, 3]},
    {"Taxon": "Romanian",   "Segments": [34, -1, 5, -1, 26, -1, -1, 15, 13]}
  ]
},
{
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    {"Taxon": "French",     "Segments": [33, 56, -1, 39, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [44, 3, 4, 39, -1, 17]},
    {"Taxon": "Italian",    "Segments": [30, 3, 71, 39, 47, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 28, -1, 39, -1, 13]},
    {"Taxon": "Portuguese", "Segments": [33, 28, -1, 39, -1, 13]},
    {"Taxon": "Catalan",    "Segments": [33, 3, 71, 39, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [33, 52, -1, 39, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [30, 3, 71, 39, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [30, 3, 4, 30, -1, -1]}
  ]
},
{
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    {"Taxon": "Spanish",    "Segments": [5, -1, 39, -1, -1, -1, 3, -1]},
    {"Taxon": "Italian",    "Segments": [-1, -1, 39, 47, -1, -1, 3, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [5, -1, 39, -1, -1, -1, 3, -1]},
    {"Taxon": "Portuguese", "Segments": [9, -1, 39, -1, -1, -1, 3, -1]},
    {"Taxon": "Catalan",    "Segments": [5, -1, 39, -1, -1, -1, 3, -1]},
    {"Taxon": "Friulian",   "Segments": [5, -1, 39, -1, -1, -1, 3, -1]}
  ]
},
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    {"Taxon": "French",     "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "Spanish",    "Segments": [5, -1, 67, 5, -1]},
    {"Taxon": "Italian",    "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "Catalan",    "Segments": [24, -1, 18, 5, -1]},
    {"Taxon": "Walloon",    "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "Romanian",   "Segments": [-1, -1, 14, 5, -1]}
  ]
},
{
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    {"Taxon": "Italian",    "Segments": [-1, 50, 3]}
  ]
}
```

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```
}},
{"Name": "There-AdIbi", "Data": [
  {"Taxon": "Spanish", "Segments": [5, 3]},
  {"Taxon": "PortugueseBrazil", "Segments": [5, 3]},
  {"Taxon": "Portuguese", "Segments": [9, 3]}
]},
{"Name": "Who-Qui", "Data": [
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  {"Taxon": "French", "Segments": [39, -1, 3, -1]},
  {"Taxon": "Italian", "Segments": [39, -1, 3, -1]},
  {"Taxon": "Catalan", "Segments": [39, -1, 3, -1]},
  {"Taxon": "Walloon", "Segments": [39, -1, 3, -1]},
  {"Taxon": "Friulian", "Segments": [39, 47, 3, -1]}
]},
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  {"Taxon": "Spanish", "Segments": [39, 10, 6, 4, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 32, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [39, -1, 42, -1, -1]},
  {"Taxon": "Romanian", "Segments": [30, -1, 3, 4, 6]}
]},
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  {"Taxon": "Spanish", "Segments": [39, -1, 6, -1]},
  {"Taxon": "Italian", "Segments": [39, -1, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [39, -1, 31, -1]},
  {"Taxon": "Catalan", "Segments": [39, -1, 12, -1]},
  {"Taxon": "Walloon", "Segments": [39, 47, 12, -1]},
  {"Taxon": "Friulian", "Segments": [30, -1, 6, -1]},
  {"Taxon": "Romanian", "Segments": [30, -1, 6, -1]}
]},
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  {"Taxon": "French", "Segments": [39, -1, 27, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [39, 47, 5, 4, 21, 17]},
  {"Taxon": "Italian", "Segments": [39, 47, 5, 4, 21, 17]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 47, 29, -1, 21, 13]},
  {"Taxon": "Portuguese", "Segments": [39, 47, 29, -1, 21, 13]},
  {"Taxon": "Catalan", "Segments": [39, 47, 5, 4, -1, -1]},
  {"Taxon": "Walloon", "Segments": [39, 47, 5, 4, 21, -1]},
  {"Taxon": "Friulian", "Segments": [39, 47, 5, 4, 26, -1]},
  {"Taxon": "Romanian", "Segments": [39, -1, 31, 4, 21, -1]}
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  {"Taxon": "Italian", "Segments": [39, 17, 2, 6, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 17, 2, 13, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 17, 2, 13, -1, -1]},
  {"Taxon": "Catalan", "Segments": [39, 23, 2, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [39, 17, 2, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [30, 6, 2, 60, 26, -1]},
  {"Taxon": "Romanian", "Segments": [39, 13, 2, -1, -1, -1]}
```

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```
}},
{"Name": "Not-Primary", "Data": [
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  {"Taxon": "French", "Segments": [4, 72, -1]},
  {"Taxon": "Spanish", "Segments": [4, 17, -1]},
  {"Taxon": "Italian", "Segments": [4, 17, 4]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 53, -1]},
  {"Taxon": "Portuguese", "Segments": [4, 53, -1]},
  {"Taxon": "Catalan", "Segments": [4, 17, -1]},
  {"Taxon": "Walloon", "Segments": [4, 72, -1]},
  {"Taxon": "Friulian", "Segments": [4, 17, -1]},
  {"Taxon": "Romanian", "Segments": [4, 13, -1]}
]},
{"Name": "Not-Nec", "Data": [
  {"Taxon": "Latin", "Segments": [4, 6, 39]},
  {"Taxon": "French", "Segments": [4, 3, -1]},
  {"Taxon": "Spanish", "Segments": [4, 3, -1]},
  {"Taxon": "Italian", "Segments": [4, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 32, -1]},
  {"Taxon": "Portuguese", "Segments": [4, 42, -1]},
  {"Taxon": "Catalan", "Segments": [4, 3, -1]},
  {"Taxon": "Walloon", "Segments": [4, 3, -1]}
]},
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  {"Taxon": "French", "Segments": [5, -1]},
  {"Taxon": "Spanish", "Segments": [5, -1]},
  {"Taxon": "Italian", "Segments": [5, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [5, -1]},
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  {"Taxon": "Catalan", "Segments": [5, -1]},
  {"Taxon": "Walloon", "Segments": [5, -1]},
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  {"Taxon": "Romanian", "Segments": [5, -1]}
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  {"Taxon": "French", "Segments": [27, -1]},
  {"Taxon": "Spanish", "Segments": [6, 4]},
  {"Taxon": "Italian", "Segments": [3, 4]},
  {"Taxon": "PortugueseBrazil", "Segments": [32, -1]},
  {"Taxon": "Portuguese", "Segments": [42, -1]},
  {"Taxon": "Catalan", "Segments": [24, 4]},
  {"Taxon": "Walloon", "Segments": [12, 4]},
  {"Taxon": "Romanian", "Segments": [31, 4]}
]},
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  {"Taxon": "French", "Segments": [21, 27, -1, -1, -1, -1, -1]},
  {"Taxon": "Catalan", "Segments": [21, 3, -1, 4, -1, -1, 33]}
]},
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  {"Taxon": "Spanish", "Segments": [39, 17, 4]},
  {"Taxon": "Italian", "Segments": [39, 17, 4]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 48, -1]},
```

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```

    {"Taxon": "Portuguese",      "Segments": [39, 48, -1]},
    {"Taxon": "Romanian",       "Segments": [39, 13, -1]}
  ]},
  {"Name": "With-Abhoc", "Data": [
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    {"Taxon": "French",         "Segments": [5, 50, -1, 6, 39]},
    {"Taxon": "Walloon",        "Segments": [5, 50, -1, 13, -1]}
  ]},
  {"Name": "And-Et", "Data": [
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    {"Taxon": "French",         "Segments": [6, -1]},
    {"Taxon": "Spanish",        "Segments": [3, -1]},
    {"Taxon": "Italian",        "Segments": [6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, -1]},
    {"Taxon": "Portuguese",     "Segments": [3, -1]},
    {"Taxon": "Catalan",        "Segments": [3, -1]},
    {"Taxon": "Walloon",        "Segments": [12, -1]},
    {"Taxon": "Friulian",       "Segments": [6, -1]},
    {"Taxon": "Romanian",       "Segments": [6, -1]}
  ]},
  {"Name": "And-Si", "Data": [
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    {"Taxon": "French",         "Segments": [33, 3, -1]},
    {"Taxon": "Spanish",        "Segments": [33, 3, -1]},
    {"Taxon": "Italian",        "Segments": [33, 3, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 28, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 28, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 3, -1]},
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    {"Taxon": "Friulian",       "Segments": [33, 3, -1]},
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