

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": 300000,
    "PrintFreq": 10,
    "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,
3.730664,0.500455,2.547771,1.228389,0.363967,0.045496,0.636943,0.045496,0.500455,0.454959,
0.045496,0.318471,1.319381,0.090992,0.272975,2.593267,0.045496,0.045496,0.454959,0.090992,
0.045496,0.045496,0.272975,2.866242,0.363967,0.045496,0.136488,0.045496,0.045496,0.045496,
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, 59]},{Name": "o", "Set": [17, 38]},{Name": "ɔ", "Set": [23]},{
Name": "ɛ", "Set": [12, 79]},{Name": "ø", "Set": [73, 88]},{Name": "Nasal Vowel", "Set": [27,
28, 29, 32, 42, 48, 51, 52, 55, 71, 84, 87]},{Name": "Vowel", "Set": [9, 11, 24, 25, 31, 43, 45,
46, 54, 58, 61, 63, 64, 68, 72, 74, 76, 78, 89]},{Name": "Nasal Consonant", "Set": [2, 4, 22, 70,
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, 53, 56, 57, 60, 62, 65, 66, 67,
69, 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, 12]},
      {"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]}
]},
{"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]}
]},
{"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]}
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{"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]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 17, -1, 35, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [31, 36, 34, 17, -1, 35, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [31, 36, 34, 17, -1, 35, 13, -1]}
```

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```
{
  "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": "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]}
  ]
},
{
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    {"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]}
  ]
},
{
  "Name": "Fish-Piskem", "Data": [
    {"Taxon": "Latin",      "Segments": [34, 3, 33, 39, 6, 2]},
    {"Taxon": "Spanish",    "Segments": [34, 6, 44, -1, -1, -1]}
  ]
}
```

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```
{
  "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-Avicellum", "Data": [
    {
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      "Taxon": "Italian",        "Segments": [-1, -1, 13, -1, 26, 30, -1, 12, 14, 14, 17, -1]},
      "Taxon": "Catalan",        "Segments": [-1, -1, 13, -1, -1, 33, -1, 6, -1, 18, -1, -1]},
      "Taxon": "Walloon",        "Segments": [-1, -1, 13, -1, -1, 49, -1, 12, -1, -1, -1, -1]},
      "Taxon": "Friulian",        "Segments": [-1, -1, 13, -1, -1, 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": "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, 51, -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, 52, -1, -1, -1]},
      "Taxon": "Portuguese",      "Segments": [39, -1, 52, -1, -1, -1]},
      "Taxon": "Catalan",        "Segments": [39, -1, 5, -1, -1, -1]},
      "Taxon": "Walloon",        "Segments": [30, -1, 51, -1, -1, -1]},
      "Taxon": "Friulian",        "Segments": [53, -1, 5, 4, -1, -1]},
      "Taxon": "Romanian",        "Segments": [39, -1, 54, 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]},
      "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, 17, -1, 14, 3, -1, -1]}
    ]
}
```

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```
{
  "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, 55, -1, 30, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [33, -1, 31, 8, 34, -1, 55, -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, 55, -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, 12, 15, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [50, 10, 6, 15, 2, 6, -1]}
]},
{"Name": "Tree-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [5, 15, 7, 17, 15, 6, 2]},
  {"Taxon": "French", "Segments": [5, 19, 7, -1, 19, -1, -1]},
  {"Taxon": "Spanish", "Segments": [5, 8, 56, 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, 57, 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]},
  {"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, 58, -1, -1, -1]}
```

Appendix 1 - Tongue Twister Configuration

```

    {"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, 59, -1, 39, 26, 13, 33]},
    {"Taxon": "French",       "Segments": [0, 19, 60, 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, 61, -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, 55, -1, 30, 3, -1]},
    {"Taxon": "Portuguese",   "Segments": [33, 31, 2, -1, 55, -1, 26, 31, -1]},
    {"Taxon": "Catalan",      "Segments": [33, 24, 2, -1, 6, 4, -1, -1, -1]},
    {"Taxon": "Walloon",      "Segments": [33, 3, 2, -1, 55, -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": [62, 15, 41, 4, 13, 2]},
    {"Taxon": "French",       "Segments": [62, 19, 12, 4, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [62, 8, 5, 4, 17, -1]},
    {"Taxon": "Italian",      "Segments": [62, 15, 5, 4, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [62, 8, 52, -1, -1, -1]},
    {"Taxon": "Portuguese",   "Segments": [62, 8, 52, -1, -1, -1]},
    {"Taxon": "Catalan",      "Segments": [62, 8, 5, -1, -1, -1]},
    {"Taxon": "Walloon",      "Segments": [62, 15, 3, 4, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [62, 15, 5, 4, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [62, 15, 63, -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, 64, -1, -1, -1]},
    {"Taxon": "Friulian",     "Segments": [0, 47, 6, -1, -1, 6]},
    {"Taxon": "Romanian",     "Segments": [0, -1, 25, -1, 10, 6]}
  ]},
  {"Name": "Leaf-Frondea", "Data": [

```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin",          "Segments": [0, 15, 17, 4, 21, 6, 5]},
  "Taxon": "Italian",       "Segments": [0, 15, 17, 4, 65, -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, 20, 39, 6, 2]},
    {"Taxon": "Spanish",       "Segments": [-1, 15, 5, -1, 3, 44, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 19, 5, -1, 3, 33, -1, -1]},
    {"Taxon": "Portuguese",    "Segments": [-1, 19, 9, -1, 3, 36, -1, -1]},
    {"Taxon": "Catalan",       "Segments": [24, 15, 12, 14, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Root-Radix", "Data": [
    {"Taxon": "Latin",          "Segments": [15, 41, 21, 20, 39, 6]},
    {"Taxon": "French",         "Segments": [19, 5, 21, 3, -1, -1]},
    {"Taxon": "Italian",        "Segments": [15, 5, 21, 20, 30, 6]}
  ]
},
{
  "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, 40, -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": [66, -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, 5, 15, 7, 6]},
    {
      "Taxon": "Romanian",
      "Segments": [10, -1, 5, 8, 7, 24]}
  ]
},
{
  "Name": "Grass-Gramen", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [62, 15, 41, 2, 6, 4]},
    {
      "Taxon": "French",
      "Segments": [62, 19, 5, 2, 12, 4]},
    {
      "Taxon": "Spanish",
      "Segments": [62, 8, 5, 2, 5, -1]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [62, 8, 29, 2, 9, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [62, 8, 9, 2, 9, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [62, 8, 5, 2, -1, -1]}
  ]
},
{
  "Name": "Rope-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [0, 59, 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, 3, 33, 26, 5, -1]},
    {
      "Taxon": "Italian",
      "Segments": [15, 12, 33, 26, 5, -1]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [19, 12, 36, 30, 3, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [19, 6, 36, 26, 31, -1]}
  ]
},
{
  "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, 67, 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, 68, 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]}
  ]
},
{
  "Name": "Meat-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, 5, 15, 4, 6, 2]},
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "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, 58, 15, -1, -1, -1]},
  "Taxon": "Friulian",       "Segments": [53, 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, 55, -1, 21, 5]},
    {"Taxon": "Portuguese",     "Segments": [50, 3, 50, -1, 55, -1, 21, 9]}
  ]
},
{
  "Name": "Blood-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [33, 5, 4, 69, -1, 3, 4, 6, 2]},
    {"Taxon": "French",         "Segments": [33, 27, -1, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [33, 5, 70, 62, -1, -1, 8, 6, -1]},
    {"Taxon": "Italian",        "Segments": [33, 5, 4, 62, 47, 6, -1, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 29, -1, 62, -1, 3, -1, -1, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 29, -1, 62, -1, 31, -1, -1, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 5, 70, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [33, 71, -1, 62, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [33, 5, 70, 39, -1, -1, -1, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [33, 31, 4, 67, -1, 6, -1, -1, -1]}
  ]
},
{
  "Name": "Bone-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [-1, -1, 17, 33, 33, 13, 2]},
    {"Taxon": "French",         "Segments": [-1, -1, 23, -1, 33, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [-1, 47, 6, -1, 33, 17, -1]},
    {"Taxon": "Italian",        "Segments": [-1, -1, 23, 33, 33, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 17, -1, 33, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [-1, -1, 17, -1, 33, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [-1, -1, 23, -1, 33, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [-1, -1, 23, -1, 49, 12, -1]},
    {"Taxon": "Friulian",       "Segments": [50, 47, 12, -1, 33, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [-1, -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": [62, 19, 12, 33, -1]},
    {"Taxon": "Spanish",         "Segments": [62, 8, 5, 33, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [62, 8, 5, 36, 9]},
    {"Taxon": "Portuguese",     "Segments": [62, 8, 5, 36, 9]},
    {"Taxon": "Catalan",        "Segments": [62, 8, 6, 36, -1]},
    {"Taxon": "Walloon",        "Segments": [39, 15, 23, 49, -1]}
  ]
},
{
  "Name": "Egg-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [-1, 38, 47, 13, 2]}
  ]
}
```

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```
{
  "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, 59, 0, -1, -1]},
  "Taxon": "Romanian",       "Segments": [-1, 17, 47, -1, -1]}
}],
{
  "Name": "Horn-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [39, -1, 17, 15, 4, 59]},
    {"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, 41, 15, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [39, -1, 17, 15, 4, -1]}
  ]
},
{
  "Name": "Tail-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 72, 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, 72, 21, 9]},
    {"Taxon": "Portuguese",     "Segments": [39, 72, 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": [53, 25, 21, 24]}
  ]
},
{
  "Name": "Feather-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [34, 14, 59, 2, 5]},
    {"Taxon": "French",         "Segments": [34, 14, 61, 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]},
    {"Taxon": "Friulian",       "Segments": [34, 12, -1, 4, 6]},
    {"Taxon": "Romanian",       "Segments": [34, 5, -1, 4, 24]}
  ]
},
{
  "Name": "Hair-Primary", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```

{"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]},
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{"Taxon": "Portuguese", "Segments": [34, -1, 31, 14, 13, -1]},
{"Taxon": "Catalan", "Segments": [34, -1, 12, 14, -1, -1]},
{"Taxon": "Walloon", "Segments": [34, 47, 12, 14, -1, -1]},
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{"Taxon": "Romanian", "Segments": [34, -1, 24, 8, -1, -1]}
}],
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{"Taxon": "French", "Segments": [36, 24, 50, 73, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [39, 5, 7, 6, -1, 66, 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, 56, 6, -1, 14, 13, -1]},
{"Taxon": "Catalan", "Segments": [39, 24, 7, 12, -1, 18, -1, -1]},
{"Taxon": "Walloon", "Segments": [67, 3, 50, 12, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [53, 5, 50, 45, -1, -1, -1, -1]}
}],
{"Name": "Head-Primary", "Data": [
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{"Taxon": "French", "Segments": [36, 24, 50, 12, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [39, 5, 56, 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, 56, 6, -1, 33, -1, 9]},
{"Taxon": "Catalan", "Segments": [39, 5, 34, -1, -1, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [30, 12, -1, -1, -1, 33, -1, -1]},
{"Taxon": "Friulian", "Segments": [53, 41, 0, -1, -1, -1, -1, -1]},
{"Taxon": "Romanian", "Segments": [39, 5, 34, -1, -1, -1, -1, -1]}
}],
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{"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]}
}],
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{"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]},
{"Taxon": "Friulian", "Segments": [17, 15, 6, -1, -1, 14, 6]},
{"Taxon": "Romanian", "Segments": [13, 15, 6, -1, 39, -1, 6]}
]

```

Appendix 1 - Tongue Twister Configuration

```
}},
{"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": [
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  {"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, 53, 12]},
  {"Taxon": "Romanian", "Segments": [7, 13, -1, 39, 24]}
]},
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  {"Taxon": "French", "Segments": [62, 11, 14, -1]},
  {"Taxon": "Spanish", "Segments": [62, 17, 14, 5]},
  {"Taxon": "Italian", "Segments": [62, 17, 14, 5]},
  {"Taxon": "Catalan", "Segments": [62, 17, 14, 24]},
  {"Taxon": "Walloon", "Segments": [62, 11, 10, -1]},
  {"Taxon": "Friulian", "Segments": [62, 23, 14, 6]},
  {"Taxon": "Romanian", "Segments": [62, 13, 8, 24]}
]},
{"Name": "Tooth-Primary", "Data": [
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  {"Taxon": "French", "Segments": [21, -1, 27, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [21, 10, 6, 4, 26, 6, -1]},
  {"Taxon": "Italian", "Segments": [21, -1, 12, 4, 26, 6, -1]}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [21, -1, 55, -1, 30, 3, -1]},
  "Taxon": "Portuguese", "Segments": [21, -1, 55, -1, 26, 31, -1]},
  "Taxon": "Walloon", "Segments": [21, -1, 51, -1, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [21, -1, 3, 4, 26, -1, -1]},
  "Taxon": "Romanian", "Segments": [21, -1, 3, 4, 26, 6, -1]}
}],
{
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    {
      "Taxon": "Latin", "Segments": [13, 4, 62, -1, 13, 14, 5]},
      "Taxon": "French", "Segments": [48, -1, 62, -1, -1, 14, -1]},
      "Taxon": "Spanish", "Segments": [13, 22, -1, -1, -1, -1, 5]},
      "Taxon": "Italian", "Segments": [13, 4, 62, 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": [71, -1, 62, -1, -1, -1, -1]},
      "Taxon": "Friulian", "Segments": [23, 70, 62, -1, 13, 14, 12]},
      "Taxon": "Romanian", "Segments": [13, 4, 62, 10, -1, -1, 6]}
    ]
  },
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        "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]}
      ]
    },
    {
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        {
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          "Taxon": "French", "Segments": [80, 27, -1, 7, -1]},
          "Taxon": "Spanish", "Segments": [62, 5, 2, 7, 5]},
          "Taxon": "Italian", "Segments": [62, 5, 2, 7, 5]},
          "Taxon": "Catalan", "Segments": [39, 5, 2, 7, 24]},
          "Taxon": "Walloon", "Segments": [67, 27, -1, 34, -1]},
          "Taxon": "Friulian", "Segments": [81, 5, 2, 7, 6]},
          "Taxon": "Romanian", "Segments": [62, 5, 2, 7, 24]}
        ]
      },
      {
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            "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": [
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              "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, 17, 14, -1, -1]},
              "Taxon": "Romanian", "Segments": [34, 3, -1, 30, 10, 17, 15, -1, -1]}
            ]
          },
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            "Name": "Knee-Geniculum", "Data": [
              {
                "Taxon": "Latin", "Segments": [62, -1, 6, 4, 3, -1, 39, 13, 14, 13, 2]}
              ]
            }
          ]
        }
      ]
    }
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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": [67, -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": [67, -1, 6, 4, 17, -1, -1, -1, 14, 3, -1]},
  "Taxon": "Romanian",    "Segments": [67, -1, 6, 4, 13, 4, 77, -1, -1, -1, -1]}
]},
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  {"Taxon": "French",     "Segments": [2, 55, -1, -1, -1]},
  {"Taxon": "Spanish",    "Segments": [2, 5, 4, 17, -1]},
  {"Taxon": "Italian",    "Segments": [2, 41, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 52, -1, -1, -1]},
  {"Taxon": "Portuguese",  "Segments": [2, 52, -1, -1, -1]},
  {"Taxon": "Walloon",     "Segments": [2, 51, -1, -1, -1]},
  {"Taxon": "Friulian",    "Segments": [2, 5, 70, -1, -1]},
  {"Taxon": "Romanian",    "Segments": [2, 31, 4, 24, -1]}
]},
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  {"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]}
]},
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  {"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, 51, -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]}
]},
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  {"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]}
]},
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  {"Taxon": "French",     "Segments": [27, -1, 26, -1, 19, 5, -1, 10, -1]},
```


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```
{
  "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": [55, -1, 26, -1, 8, 9, 22, -1, 9]},
  "Taxon": "Catalan",      "Segments": [24, 4, 26, -1, 8, 5, 22, -1, 24]}
}],
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    {"Taxon": "French",     "Segments": [39, -1, 13, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [39, 47, 6, -1, 66, 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]}
  ]
},
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    {"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, 6, -1, 33, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [21, -1, 17, -1, -1, -1, -1]}
  ]
},
{
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    {"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, 12]},
    {"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, 55, -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, 6, 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]},
    {"Taxon": "Portuguese", "Segments": [34, -1, 46, -1, 26, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [34, -1, 3, -1, 26, -1, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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, 19, -1]},
      "Taxon": "Friulian",  "Segments": [39, -1, 59, 15, -1]}
    ]},
{
  "Name": "Heart-Anima", "Data": [
    {
      "Taxon": "Latin",      "Segments": [5, 4, 3, 2, 5]},
      "Taxon": "French",    "Segments": [58, -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": [58, -1, -1, 2, -1]},
      "Taxon": "Friulian",  "Segments": [5, 4, 3, 2, 6]},
      "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, 58, -1, -1, -1, -1, -1]},
      "Taxon": "Spanish",   "Segments": [-1, -1, 3, 82, 5, 37, 17, -1]},
      "Taxon": "Italian",   "Segments": [0, -1, 6, 62, 5, 26, 17, -1]},
      "Taxon": "PortugueseBrazil", "Segments": [0, -1, 3, 62, 9, 21, 13, -1]},
      "Taxon": "Portuguese", "Segments": [0, -1, 3, 82, 9, 37, 13, -1]},
      "Taxon": "Catalan",   "Segments": [0, -1, 6, 67, 24, -1, -1, -1]},
      "Taxon": "Walloon",   "Segments": [0, -1, 11, -1, -1, 26, -1, -1]},
      "Taxon": "Friulian",  "Segments": [0, -1, 3, 10, 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, 57, -1, -1]},
      "Taxon": "Catalan",   "Segments": [33, 23, 14, -1, -1]},
      "Taxon": "Romanian",  "Segments": [33, 25, 8, 6, -1]}
    ]},
{
  "Name": "Sun-Solliculus", "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]}
    ]},
{
  "Name": "Moon-Primary", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin",          "Segments": [14, 59, 4, 5]},
  "Taxon": "French",         "Segments": [14, 61, 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, 66, 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, 62, 47, 9]},
    {"Taxon": "Portuguese",     "Segments": [5, -1, 62, 47, 9]},
    {"Taxon": "Catalan",        "Segments": [43, -1, 82, 47, 24]},
    {"Taxon": "Walloon",        "Segments": [12, -1, -1, 47, -1]},
    {"Taxon": "Friulian",       "Segments": [5, -1, 62, -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, 60, -1, -1, 3, -1]},
    {"Taxon": "Spanish",        "Segments": [66, -1, 13, -1, 7, 10, 5]},
    {"Taxon": "Italian",        "Segments": [34, 10, 17, 21, 67, -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, 59, 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": [
    {"Taxon": "Latin",          "Segments": [15, 20, 47, 13, 33]}
  ]
}
```

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```
{
  "Taxon": "French",          "Segments": [19, 61, -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": "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, 62, 17, -1]},
    {"Taxon": "Italian",        "Segments": [14, 5, 62, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 5, 62, 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]},
    {"Taxon": "Portuguese",     "Segments": [33, 46, -1, 36, 13, -1]}
  ]
},
]
```

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```
{
  "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, 19, -1]}},
    { "Taxon": "Friulian", "Segments": [34, 10, 1, -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]}},
    { "Taxon": "Italian", "Segments": [14, 5, 34, 3, 21, 6, -1]}},
  ],
  "Name": "Sand-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [49, 5, 15, 1, 4, 58]}},
    { "Taxon": "Spanish", "Segments": [-1, 5, 8, 6, 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": "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, 56, -1, 8, 13, -1]}},
    { "Taxon": "Portuguese", "Segments": [33, 43, 56, -1, 8, 13, -1]}},
    { "Taxon": "Catalan", "Segments": [33, 17, -1, -1, 15, 24, -1]}},
    { "Taxon": "Walloon", "Segments": [33, 58, 50, -1, 10, 71, -1]}},
    { "Taxon": "Friulian", "Segments": [33, 5, 50, 5, 14, 23, 4]}},
  ],
  "Name": "Sand-Sabula", "Data": [
    { "Taxon": "Latin", "Segments": [33, 5, -1, 7, 13, 14, 5]}},
    { "Taxon": "Italian", "Segments": [33, 5, 7, 7, -1, 10, 5]}},
  ],
  "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]}},
  ],
  "Name": "Earth-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [26, -1, 6, 15, 15, 5]}},
    { "Taxon": "French", "Segments": [26, -1, 6, -1, 19, -1]}},
  ]
}
```

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```
{
  "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, 19, -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, 59, 7, 1, 33]},
  {"Taxon": "French",     "Segments": [4, 61, -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, 59, 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, 59, -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, 62, 3, 4, 6, 2]},
  {"Taxon": "Spanish",    "Segments": [39, 5, 14, 3, -1, -1, 4, 5, -1]},
  {"Taxon": "Italian",    "Segments": [39, 5, 14, 3, 67, 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, 61, -1, -1, -1, 14, -1]},
  {"Taxon": "Romanian",   "Segments": [4, -1, 6, -1, 62, 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]},
  {"Taxon": "Catalan",    "Segments": [26, -1, 24, 4, -1, 6, 7, 8, 24, 33]}
]},
{"Name": "Fog-Fumata", "Data": [
```


Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Latin", "Segments": [0, 59, 2, 41, 26, 5]},
    {"Taxon": "French", "Segments": [0, 61, 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]}
  ]},
  {"Name": "Fog-Caecia", "Data": [
    {"Taxon": "Latin", "Segments": [39, 43, 39, 3, 5]},
    {"Taxon": "Romanian", "Segments": [30, 74, 30, -1, 24]}
  ]},
  {"Name": "Sky-Primary", "Data": [
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    {"Taxon": "French", "Segments": [33, 10, 12, 14, -1, -1]},
    {"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]}
  ]},
  {"Name": "Wind-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [47, -1, 6, 4, 26, 13, 2]},
    {"Taxon": "French", "Segments": [50, -1, 27, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [7, 10, 6, 4, 26, 17, -1]},
    {"Taxon": "Italian", "Segments": [50, -1, 12, 4, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, -1, 55, -1, 26, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [50, -1, 55, -1, 26, 13, -1]},
    {"Taxon": "Catalan", "Segments": [7, -1, 6, 4, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [50, -1, 51, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [50, -1, 3, 4, 26, -1, -1]},
    {"Taxon": "Romanian", "Segments": [50, -1, 31, 4, 26, -1, -1]}
  ]},
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    {"Taxon": "Spanish", "Segments": [4, 10, 6, 7, 6, -1]},
    {"Taxon": "Italian", "Segments": [4, -1, 6, 50, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, -1, 12, 50, 3, -1]},
    {"Taxon": "Portuguese", "Segments": [4, -1, 12, 50, 31, -1]},
    {"Taxon": "Catalan", "Segments": [4, -1, 6, 47, -1, -1]},
    {"Taxon": "Walloon", "Segments": [4, -1, 3, 50, 43, -1]},
    {"Taxon": "Friulian", "Segments": [4, -1, 1, 0, -1, -1]},
    {"Taxon": "Romanian", "Segments": [4, -1, 74, -1, -1, -1]}
  ]},
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    {"Taxon": "French", "Segments": [80, 12, 14, -1]},
    {"Taxon": "Spanish", "Segments": [66, 6, 14, 17]},
    {"Taxon": "Italian", "Segments": [67, 12, 14, 17]},
    {"Taxon": "Catalan", "Segments": [80, 12, 57, -1]},
    {"Taxon": "Romanian", "Segments": [67, 6, 15, -1]}
  ]},
  {"Name": "Ice-Glacies", "Data": [

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "French",      "Segments": [62, 14, 5, -1, 33, -1]},
  "Taxon": "Italian",    "Segments": [62, 10, 5, 26, 30, 5]},
  "Taxon": "Catalan",    "Segments": [62, 14, 5, -1, 33, -1]},
  "Taxon": "Walloon",    "Segments": [62, 14, 12, -1, 33, -1]},
  "Taxon": "Friulian",   "Segments": [62, 14, 5, -1, 30, 6]},
  "Taxon": "Romanian",   "Segments": [62, -1, 74, -1, 40, 24]}
}],
{
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    {"Taxon": "Spanish",    "Segments": [-1, 13, 2, 17, -1]},
    {"Taxon": "Italian",    "Segments": [0, 13, 2, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 13, 2, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [0, 13, 2, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [0, 13, 2, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [0, 13, 2, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [0, 13, 2, -1, -1]}
  ]
},
{
  "Name": "Fire-Focus", "Data": [
    {"Taxon": "Latin",      "Segments": [0, -1, 17, 39, 13, 2]},
    {"Taxon": "French",    "Segments": [0, -1, 73, -1, -1, -1]},
    {"Taxon": "Spanish",   "Segments": [0, 47, 6, 62, 17, -1]},
    {"Taxon": "Italian",   "Segments": [0, 47, 23, 39, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, -1, 17, 62, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [0, -1, 17, 82, 13, -1]},
    {"Taxon": "Catalan",   "Segments": [0, -1, 23, 39, -1, -1]},
    {"Taxon": "Walloon",   "Segments": [0, -1, 11, -1, -1, -1]},
    {"Taxon": "Friulian",  "Segments": [0, -1, 59, 39, -1, -1]},
    {"Taxon": "Romanian",  "Segments": [0, -1, 17, 39, -1, -1]}
  ]
},
{
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    {"Taxon": "Latin",      "Segments": [39, 3, 4, 6, -1, 15, 6, 2]},
    {"Taxon": "French",    "Segments": [33, 27, -1, -1, 21, 19, -1, -1]},
    {"Taxon": "Italian",   "Segments": [30, 6, 4, 6, -1, 15, 6, -1]},
    {"Taxon": "Catalan",   "Segments": [33, 12, 4, -1, 21, 15, 24, -1]},
    {"Taxon": "Walloon",   "Segments": [33, 51, -1, -1, 26, -1, -1, -1]}
  ]
},
{
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    {"Taxon": "Spanish",    "Segments": [44, 6, 4, 3, 44, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 28, -1, -1, 35, 9]},
    {"Taxon": "Portuguese", "Segments": [33, 28, -1, -1, 35, 9]},
    {"Taxon": "Friulian",   "Segments": [30, 3, 4, 3, 35, 12]},
    {"Taxon": "Romanian",   "Segments": [30, 6, 4, 13, 36, 24]}
  ]
},
{
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    {"Taxon": "Latin",      "Segments": [47, -1, 3, 5]},
    {"Taxon": "French",    "Segments": [50, 47, -1, 5]},
    {"Taxon": "Spanish",   "Segments": [7, -1, 3, 5]},
    {"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, 68, -1, -1]}
  ]
},
{
  "Name": "Road-Strata", "Data": [
    {"Taxon": "Latin",      "Segments": [-1, 33, 26, 15, 41, 26, 5]},
    {"Taxon": "Spanish",    "Segments": [6, 33, 26, 8, 5, 21, 5]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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]}
]},
{
  "Name": "Road-Camminus",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, 5, 2, 2, 20, 4, 13, 2]},
    {
      "Taxon": "French",
      "Segments": [36, 24, -1, 2, 51, -1, -1, -1]},
    {
      "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, 51, -1, -1, -1]}
  ]
},
{
  "Name": "Mountain-Primary",
  "Data": [
    {
      "Taxon": "Latin",
      "Segments": [2, 17, 4, 26, 6, 2]},
    {
      "Taxon": "French",
      "Segments": [2, 71, -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, 71, -1, -1, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [2, 23, 4, 26, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [2, 13, 4, 26, 12, -1]}
  ]
},
{
  "Name": "Mountain-Montanea",
  "Data": [
    {
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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, 71, -1, 26, 5, -1, 22, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [2, 23, 4, 26, 5, -1, 22, 6, -1]}
  ]
},
{
  "Name": "Night-Primary",
  "Data": [
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      "Segments": [4, -1, 17, 53, 26, 6, 2]},
    {
      "Taxon": "French",
      "Segments": [4, 60, 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, 68, -1, 26, 31, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [4, -1, 68, -1, 26, 31, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [4, -1, 3, -1, 26, -1, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [4, -1, 61, -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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  "Data": [
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      "Segments": [21, 3, 1, 33]},
    {
      "Taxon": "Spanish",
      "Segments": [21, 3, 5, -1]},
    {
      "Taxon": "Italian",
      "Segments": [21, 3, -1, -1]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [21, 3, 9, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [21, 3, 9, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [21, 3, 24, -1]},
  ]
}
```

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```
{
  "Taxon": "Walloon",      "Segments": [67, -1, 13, -1]},
  "Taxon": "Friulian",    "Segments": [21, 3, -1, -1]},
  "Taxon": "Romanian",    "Segments": [35, 3, -1, -1]}
}],
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  {"Taxon": "French",     "Segments": [80, -1, 13, 19, -1, -1, -1]},
  {"Taxon": "Spanish",    "Segments": [21, 10, 13, 8, 4, 17, -1]},
  {"Taxon": "Italian",    "Segments": [67, -1, 17, 15, 4, 17, -1]},
  {"Taxon": "Catalan",    "Segments": [80, -1, 17, 8, 4, -1, -1]},
  {"Taxon": "Walloon",    "Segments": [67, -1, 59, -1, -1, -1, -1]}
]},
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  {"Taxon": "Portuguese",       "Segments": [80, 23, 19, 4, 5]}
]},
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  {"Taxon": "Latin",      "Segments": [21, 3, 13, 15, 4, 41, 26, 5]},
  {"Taxon": "French",     "Segments": [80, -1, 13, 19, 4, 6, -1, -1]},
  {"Taxon": "Spanish",    "Segments": [16, -1, 17, 8, 4, 5, 21, 5]},
  {"Taxon": "Italian",    "Segments": [67, -1, 17, 15, 4, 5, 26, 5]},
  {"Taxon": "Friulian",   "Segments": [65, -1, 17, 15, 4, 5, 21, 6]}
]},
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  {"Taxon": "French",     "Segments": [27, -1, -1, -1, -1]},
  {"Taxon": "Spanish",    "Segments": [5, -1, 22, 17, -1]},
  {"Taxon": "Italian",    "Segments": [5, 4, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [9, -1, 4, 13, -1]},
  {"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, 70, -1, -1]},
  {"Taxon": "Romanian",   "Segments": [5, 4, -1, -1, -1]}
]},
{"Name": "Name-Nomen", "Data": [
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  {"Taxon": "French",     "Segments": [4, 71, -1, -1, -1]},
  {"Taxon": "Italian",    "Segments": [4, 38, 2, 6, -1]},
  {"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, 71, -1, -1, -1]},
  {"Taxon": "Friulian",   "Segments": [4, 23, 70, -1, -1]},
  {"Taxon": "Romanian",   "Segments": [4, 13, 2, 6, -1]}
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  {"Taxon": "Spanish",    "Segments": [4, 17, 2, -1, 7, 8, 6, -1]}
]},
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  {"Taxon": "French",     "Segments": [14, 27, -1, 62, -1, -1]},
  {"Taxon": "Spanish",    "Segments": [14, 6, 70, 62, 47, 5]},
  {"Taxon": "Italian",    "Segments": [14, 3, 4, 62, 47, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 28, -1, 62, 47, 9]},
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```
{
  "Taxon": "Portuguese",      "Segments": [14, 28, -1, 62, 47, 9]},
  "Taxon": "Catalan",        "Segments": [18, 12, 70, 62, 47, 24]},
  "Taxon": "Walloon",        "Segments": [14, 51, -1, -1, 50, -1]},
  "Taxon": "Friulian",       "Segments": [14, 12, 4, 62, -1, 12]},
  "Taxon": "Romanian",       "Segments": [14, 3, 2, 7, -1, 24]}
}],
{
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    {"Taxon": "French",     "Segments": [80, 24, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [66, -1, -1, 17]},
    {"Taxon": "Italian",    "Segments": [-1, 3, -1, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 6, -1, 47]},
    {"Taxon": "Portuguese", "Segments": [-1, 6, -1, 47]},
    {"Taxon": "Catalan",    "Segments": [80, -1, -1, 23]},
    {"Taxon": "Walloon",    "Segments": [67, 3, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [10, -1, -1, 17]},
    {"Taxon": "Romanian",   "Segments": [10, 6, -1, 47]}
  ]
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{
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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, 64, -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, 68, -1, -1]}
  ]
},
{
  "Name": "YouPlural-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [47, 38, -1, 33]},
    {"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, 64, 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, 68, -1, -1]}
  ]
},
{
  "Name": "YouSingular-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [26, 59]},
    {"Taxon": "French",     "Segments": [26, 61]},
    {"Taxon": "Spanish",    "Segments": [26, 13]},
    {"Taxon": "Italian",    "Segments": [26, 13]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 13]},
    {"Taxon": "Portuguese", "Segments": [26, 13]},
    {"Taxon": "Catalan",    "Segments": [26, 13]},
    {"Taxon": "Walloon",    "Segments": [26, 3]},
    {"Taxon": "Friulian",   "Segments": [26, 13]},
    {"Taxon": "Romanian",   "Segments": [26, 13]}
  ]
},
{
  "Name": "YouSingular-VostramMercedem", "Data": [
    {"Taxon": "Spanish",    "Segments": [-1, 13, 33, 26, 6, 21]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 17, 33, -1, 6, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Portuguese",      "Segments": [50, 23, 33, -1, 6, -1]},
  "Taxon": "Catalan",        "Segments": [50, 17, 33, 26, 6, -1]}
}],
{"Name": "ToDrink-Primary", "Data": [
  {"Taxon": "Latin",          "Segments": [7, -1, 3, 7, 6, 15, 6]},
  {"Taxon": "French",         "Segments": [7, 47, 58, -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, 56, 6, 8, -1]},
  {"Taxon": "Catalan",        "Segments": [7, -1, 12, 47, -1, 8, 24]},
  {"Taxon": "Walloon",        "Segments": [7, -1, 73, -1, -1, 19, -1]},
  {"Taxon": "Friulian",       "Segments": [7, -1, 6, 50, 3, -1, -1]},
  {"Taxon": "Romanian",       "Segments": [7, -1, 74, -1, -1, -1, -1]}
}],
{"Name": "ToEat-Primary", "Data": [
  {"Taxon": "Latin",          "Segments": [39, 17, 2, 6, 21, 6, 15, 6]},
  {"Taxon": "Spanish",        "Segments": [39, 17, 2, 6, -1, -1, 8, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 17, 2, 6, -1, -1, -1, -1]},
  {"Taxon": "Portuguese",     "Segments": [39, 13, 2, -1, -1, 6, 8, -1]}
}],
{"Name": "ToEat-Manducare", "Data": [
  {"Taxon": "Latin",          "Segments": [2, 5, 4, 21, 13, 39, 41, 15, 6]},
  {"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",        "Segments": [2, 5, 4, 67, -1, -1, 5, 8, 6]},
  {"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, 70, 81, -1, -1, 41, -1, -1]},
  {"Taxon": "Romanian",       "Segments": [2, 31, 4, -1, -1, 39, 5, -1, -1]}
}],
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  {"Taxon": "Latin",          "Segments": [2, -1, 17, 15, 21, 1, 15, 6]},
  {"Taxon": "French",         "Segments": [2, -1, 17, 19, 21, -1, 19, -1]},
  {"Taxon": "Spanish",        "Segments": [2, -1, 17, 8, 37, 6, 8, -1]},
  {"Taxon": "Italian",        "Segments": [2, -1, 23, 15, 21, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, -1, 17, 19, 21, 6, 19, -1]},
  {"Taxon": "Portuguese",     "Segments": [2, -1, 13, 8, 37, 6, 8, -1]},
  {"Taxon": "Friulian",       "Segments": [2, 47, 5, 15, 21, 3, -1, -1]}
}],
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  {"Taxon": "Italian",        "Segments": [2, 17, 15, 33, 3, 39, 5, 8, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 13, -1, 33, 24, 62, 5, -1, -1]},
  {"Taxon": "Portuguese",     "Segments": [2, 13, -1, 33, 24, 62, 5, 15, -1]},
  {"Taxon": "Catalan",        "Segments": [2, 13, -1, 33, 24, 82, 5, -1, -1]},
  {"Taxon": "Romanian",       "Segments": [2, 13, 15, 33, 6, 39, 5, -1, -1]}
}],
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  {"Taxon": "French",         "Segments": [33, 61, 33, 6, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 13, 62, 5, 19, -1]},
  {"Taxon": "Portuguese",     "Segments": [33, 13, 62, 5, 8, -1]},
  {"Taxon": "Portuguese",     "Segments": [33, 13, 62, 5, 8, -1]},
  {"Taxon": "Portuguese",     "Segments": [33, 13, 62, 5, 8, -1]}
]}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Walloon",      "Segments": [33, 61, 33, 3, -1, -1]},
  "Taxon": "Friulian",    "Segments": [53, 13, 53, 41, -1, -1]},
  "Taxon": "Romanian",    "Segments": [33, 13, 67, 6, -1, -1]}
}],
{"Name": "ToSpit-Primary", "Data": [
  {"Taxon": "Latin",      "Segments": [39, 17, 4, 33, 34, 13, 6, 15, 6]},
  {"Taxon": "French",     "Segments": [39, 71, -1, 33, 34, 61, 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]}
]},
{"Name": "ToSpit-Exconspuere", "Data": [
  {"Taxon": "Spanish",    "Segments": [6, 33, 39, 13, -1, 34, 3, 8]},
  {"Taxon": "Catalan",    "Segments": [24, 33, 39, 13, -1, 34, 3, -1]},
  {"Taxon": "Romanian",   "Segments": [-1, 33, 39, 13, 10, 34, 5, -1]}
]},
{"Name": "ToSpit-Sputare", "Data": [
  {"Taxon": "Latin",      "Segments": [-1, 33, 34, 13, 26, 6, 15, 6]},
  {"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": "Latin",      "Segments": [47, 17, 2, 6, 15, 6]},
  {"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]}
]},
{"Name": "ToBlow-Primary", "Data": [
  {"Taxon": "Latin",      "Segments": [33, 13, 0, 0, 14, 41, 15, 6]},
  {"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]}
]},
{"Name": "ToBreathe-Primary", "Data": [
  {"Taxon": "Latin",      "Segments": [15, 6, 33, 34, 20, 15, 41, 15, 6]},
  {"Taxon": "Spanish",    "Segments": [15, 6, 33, 34, 3, 8, 5, 8, -1]},
  {"Taxon": "Italian",    "Segments": [15, 6, 33, 34, 3, 15, 5, 8, 6]},
  {"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]}
]},
{"Name": "ToLaugh-Primary", "Data": [
  {"Taxon": "Latin",      "Segments": [15, 20, -1, 21, 1, 15, 6]},
  {"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]},
  {"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]}
]}
```

Appendix 1 - Tongue Twister Configuration

```

}},
{"Name": "ToSee-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [47, -1, 3, 21, 1, 15, 6]},
  {"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]},
  {"Taxon": "Catalan", "Segments": [7, -1, 12, 47, -1, 8, 24]},
  {"Taxon": "Walloon", "Segments": [50, -1, 76, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [50, 10, 17, 21, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [50, -1, 6, 21, 74, -1, -1]}
]},
{"Name": "ToHear-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [72, -1, 21, 20, 15, 6]},
  {"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": [64, -1, 3, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [13, 14, 21, 20, -1, -1]},
  {"Taxon": "Romanian", "Segments": [72, -1, 35, 3, -1, -1]}
]},
{"Name": "ToKnow-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [33, 39, 20, 15, 6]},
  {"Taxon": "Romanian", "Segments": [36, 26, 3, -1, -1]}
]},
{"Name": "ToKnow-Sapere", "Data": [
  {"Taxon": "Latin", "Segments": [33, 5, 34, -1, 6, 15, 6]},
  {"Taxon": "French", "Segments": [33, 5, 50, 47, 5, 19, -1]},
  {"Taxon": "Spanish", "Segments": [33, 5, 7, -1, 6, 8, -1]},
  {"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, 56, -1, 12, -1, -1]},
  {"Taxon": "Walloon", "Segments": [33, 5, 50, -1, 73, 75, -1]},
  {"Taxon": "Friulian", "Segments": [33, 5, 50, -1, 1, -1, -1]}
]},
{"Name": "ToKnow-Cognoscere", "Data": [
  {"Taxon": "Latin", "Segments": [39, 17, 62, 4, 38, 33, 39, 6, 15, 6]},
  {"Taxon": "French", "Segments": [39, 23, -1, 4, 12, -1, 26, -1, 19, -1]},
  {"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, 17, 33, -1, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [39, 13, -1, 4, 25, 36, 26, 6, -1, -1]}
]},
{"Name": "ToThink-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [39, -1, 38, 62, 3, 26, 41, 15, 6]},
  {"Taxon": "French", "Segments": [39, 60, -1, -1, 3, 21, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [39, 47, -1, -1, 3, 21, 5, 8, -1]},

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Italian",
  "Segments": [39, -1, 17, 67, 3, 26, 5, 15, 6]},
  "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, 67, 6, 26, 5, -1, -1]}
}],
{
  "Name": "ToThink-Pensare", "Data": [
    {"Taxon": "Latin", "Segments": [34, 1, 4, 33, 41, 15, 6]},
    {"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, 55, -1, 33, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [34, 55, -1, 33, 5, 8, -1]},
    {"Taxon": "Catalan", "Segments": [34, 24, 4, 33, 5, -1, -1]},
    {"Taxon": "Walloon", "Segments": [34, 51, -1, 33, 6, -1, -1]},
    {"Taxon": "Friulian", "Segments": [34, 6, 70, 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, 55, -1, 30, 3, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [33, 55, -1, 26, 3, 8, -1]},
    {"Taxon": "Catalan", "Segments": [33, 24, 4, 26, 3, -1, -1]},
    {"Taxon": "Walloon", "Segments": [33, 51, -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": "Latin", "Segments": [17, 14, 1, 15, 6]},
    {"Taxon": "Spanish", "Segments": [17, 14, 6, 8, -1]},
    {"Taxon": "Italian", "Segments": [17, 14, 3, 15, 6]},
    {"Taxon": "Catalan", "Segments": [13, 14, 13, 8, 5]}
  ]
},
{
  "Name": "ToSmell-Odorare", "Data": [
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    {"Taxon": "Italian", "Segments": [17, 21, 17, 15, 5, 15, 6]}
  ]
},
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    {"Taxon": "French", "Segments": [0, 14, 12, -1, 19, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [0, 15, 5, 62, 15, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, -1, 45, -1, 8, 5, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [36, -1, 46, -1, 8, 5, 8, -1]},
    {"Taxon": "Catalan", "Segments": [0, 14, 24, 10, 8, 5, -1, -1]}
  ]
},
{
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    {"Taxon": "Spanish", "Segments": [26, 6, 2, 6, 8, -1]},
    {"Taxon": "Italian", "Segments": [26, 6, 2, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 6, 2, 6, 19, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 31, 2, 6, 8, -1]},
    {"Taxon": "Catalan", "Segments": [26, 6, 2, 24, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 6, 2, 3, -1, -1]},
  ]
}
```

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```
{
  "Taxon": "Romanian",
  "Segments": [26, 6, 2, 6, -1, -1]}
}],
{
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    {
      "Taxon": "French",
      "Segments": [39, 19, 55, -1, 21, -1, 19, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [26, 8, 6, 2, -1, 6, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [26, 15, 6, 2, -1, 5, 15, 6]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [26, 8, 6, 2, -1, 6, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [26, 8, 31, 2, -1, 6, 8, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [26, 15, 3, 2, -1, 41, -1, -1]}
  ]},
{
  "Name": "ToSleep-Primary", "Data": [
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      "Segments": [21, -1, 17, 15, 2, 20, 15, 6]},
    {
      "Taxon": "French",
      "Segments": [21, -1, 23, 19, 2, 3, 19, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [21, -1, 17, 8, 2, 3, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [21, -1, 17, 15, 2, 3, 15, 6]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [21, -1, 17, 19, 2, 3, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [21, -1, 13, 8, 2, 3, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [21, -1, 13, 15, 2, 3, -1, -1]},
    {
      "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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      "Segments": [50, 3, 50, -1, 19, -1]},
    {
      "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]}
  ]},
{
  "Name": "ToDie-Primary", "Data": [
    {
      "Taxon": "French",
      "Segments": [2, 13, 19, 3, 19, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [2, 17, 8, 3, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [2, 17, 15, 3, 15, 6]},
    {
      "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]}
  ]},
{
  "Name": "ToKill-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [4, -1, 6, 39, 41, 15, 6]},
    {
      "Taxon": "French",
      "Segments": [4, 47, 43, -1, 6, -1, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [4, -1, 24, 62, 5, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [4, -1, 6, 39, 5, -1, -1]}
  ]},
{
  "Name": "ToKill-Adnecare", "Data": [
    {
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      "Segments": [5, -1, 4, 6, 62, 5, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [5, 4, 4, 6, 62, 5, 15, 6]}
  ]},
{
  "Name": "ToKill-Tutari", "Data": [
```

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```
{
  "Taxon": "Latin",
  "Segments": [26, 59, -1, 26, 41, 15, 3]},
  "Taxon": "French",
  "Segments": [26, -1, 60, -1, 6, -1, -1]},
  "Taxon": "Walloon",
  "Segments": [26, 13, 47, -1, 6, -1, -1]}
}],
{
  "Name": "ToKill-Mactare", "Data": [
    {
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      "Segments": [2, 5, 39, 26, 41, 15, 6]},
      "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": [
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      "Taxon": "Latin",
      "Segments": [34, 13, 62, 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": [
    {
      "Taxon": "Latin",
      "Segments": [7, 5, 26, 26, 13, 6, 15, 6]},
      "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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      "Segments": [39, 5, 34, 26, 3, 41, 15, 6]},
      "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": [53, 5, -1, 30, -1, 41, -1, -1]}
    ]},
{
  "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]},
    ]}
}
```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Friulian",      "Segments": [34, 13, 14, 33, 41, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [34, 13, 14, 33, 5, -1, -1]}
  ]},
  {"Name": "ToCut-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [33, -1, 6, 39, 41, 15, 6]},
    {"Taxon": "French",       "Segments": [33, 10, 6, -1, -1, -1, -1]},
    {"Taxon": "Spanish",      "Segments": [33, -1, 6, 62, 5, 8, -1]},
    {"Taxon": "Italian",      "Segments": [33, -1, 6, 62, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, 62, 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": [
    {"Taxon": "Latin",        "Segments": [39, 13, 15, 26, 41, 15, 6]},
    {"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, 58, 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]}
  ]},
  {"Name": "ToSplit-Primary", "Data": [
    {"Taxon": "Latin",        "Segments": [21, 20, 47, 3, 21, 6, 15, 6]},
    {"Taxon": "Spanish",      "Segments": [21, 3, 7, 3, 21, 3, 8, -1]},
    {"Taxon": "Italian",      "Segments": [21, 3, 50, 3, 21, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [67, 3, 50, 3, 67, 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": "Friulian",     "Segments": [21, 3, 50, 3, 21, 3, -1, -1]},
    {"Taxon": "Romanian",     "Segments": [21, 3, 50, 3, 21, 6, -1, -1]}
  ]},
  {"Name": "ToSplit-Scindere", "Data": [
    {"Taxon": "Latin",        "Segments": [33, 39, 3, 4, 21, 6, 15, 6]},
    {"Taxon": "French",       "Segments": [33, -1, 51, -1, 21, 6, -1, -1]},
    {"Taxon": "Italian",      "Segments": [36, -1, 3, 4, 21, 6, 15, 6]}
  ]},
  {"Name": "ToSplit-Findere", "Data": [
    {"Taxon": "Latin",        "Segments": [0, 3, 4, 21, 6, 15, 6]},
    {"Taxon": "French",       "Segments": [0, 27, -1, 21, -1, 19, -1]}
  ]}

```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish",      "Segments": [-1, 6, 4, 21, 6, 8, -1]},
  "Taxon": "Italian",     "Segments": [0, 12, 4, 21, 6, 15, 6]},
  "Taxon": "PortugueseBrazil", "Segments": [0, 55, -1, 21, 6, 19, -1]},
  "Taxon": "Portuguese",  "Segments": [0, 55, -1, 21, 6, 8, -1]},
  "Taxon": "Catalan",     "Segments": [0, 12, 4, 21, -1, 8, 24]},
  "Taxon": "Walloon",     "Segments": [0, 51, -1, 21, -1, -1, -1]}
}],
{
  "Name": "ToSplit-Partire", "Data": [
    {"Taxon": "Latin",      "Segments": [34, 5, 15, 26, 20, 15, 6]},
    {"Taxon": "French",     "Segments": [34, 5, 19, 26, 3, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [34, 5, 8, 26, 3, 8, -1]},
    {"Taxon": "Italian",    "Segments": [34, 5, 15, 26, 3, 15, 6]},
    {"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, 58, 15, 26, 3, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [34, 5, 15, 26, 20, -1, -1]}
  ]
},
{
  "Name": "ToSplit-Separare", "Data": [
    {"Taxon": "Latin",      "Segments": [33, 1, 34, 5, 15, 41, 15, 6]},
    {"Taxon": "French",     "Segments": [33, 24, 50, -1, -1, -1, 19, 6]},
    {"Taxon": "Spanish",    "Segments": [33, 6, 34, 5, 8, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [33, 6, 34, 5, 15, 5, 15, 6]},
    {"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": "Friulian",   "Segments": [33, 6, 34, 5, 15, 41, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [33, 6, 34, 5, 15, 5, -1, -1]}
  ]
},
{
  "Name": "ToStab-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [34, -1, 13, 4, 62, 6, 15, 6]},
    {"Taxon": "French",     "Segments": [34, 47, 51, -1, 21, -1, 19, -1]},
    {"Taxon": "Italian",    "Segments": [34, -1, 13, 4, 67, 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, 71, -1, 21, -1, -1, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [34, -1, 13, 4, 67, 6, -1, -1]}
  ]
},
{
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    {"Taxon": "French",     "Segments": [80, 61, 62, 61, 14, 6, -1, -1]},
    {"Taxon": "Italian",    "Segments": [10, 13, 62, 13, 14, 41, 15, 6]}
  ]
},
{
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    {"Taxon": "Latin",      "Segments": [15, 41, 21, 6, 15, 6]},
    {"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]},
    {"Taxon": "Romanian",   "Segments": [15, 5, 21, 6, -1, -1]}
  ]
},
{
  "Name": "ToScratch-Rasare", "Data": [
    {"Taxon": "French",     "Segments": [19, 58, 35, 6, -1, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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]}
}],
{
  "Name": "ToScratch-Rasicare", "Data": [
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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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    {"Taxon": "Portuguese",       "Segments": [39, 13, 33, 5, 8]}
  ]
},
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  "Name": "ToDig-Primary", "Data": [
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    {"Taxon": "French",     "Segments": [0, 47, 3, -1, -1, 19, -1]}
  ]
},
{
  "Name": "ToDig-Cavare", "Data": [
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    {"Taxon": "French",     "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",    "Segments": [30, 5, 50, 6, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [81, 5, 50, 41, -1, -1]}
  ]
},
{
  "Name": "ToDig-Excavare", "Data": [
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    {"Taxon": "Spanish",    "Segments": [6, -1, 33, 39, 5, 7, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [-1, -1, 33, 39, 5, 50, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, -1, 36, 39, 9, 50, 5, 19, -1]},
    {"Taxon": "Portuguese",  "Segments": [3, -1, 36, 39, 9, 50, 5, 8, -1]},
    {"Taxon": "Friulian",   "Segments": [-1, -1, 35, 81, 5, 50, 41, -1, -1]}
  ]
},
{
  "Name": "ToSwim-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [4, -1, 5, 26, 41, 15, 6]},
    {"Taxon": "Spanish",    "Segments": [4, -1, 5, 21, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [4, 47, 17, 26, 5, 8, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, -1, 5, 21, 5, 19, -1]},
    {"Taxon": "Portuguese",  "Segments": [4, -1, 9, 37, 5, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [4, -1, 24, 21, 5, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [4, -1, 5, 21, 41, -1, -1]}
  ]
},
{
  "Name": "ToSwim-Navigare", "Data": [
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    {"Taxon": "French",     "Segments": [4, 5, -1, -1, 80, 6, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [4, 5, 7, 6, 62, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [4, 5, 50, 3, 62, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, 5, 50, 31, 82, 5, 19, -1]},
    {"Taxon": "Portuguese",  "Segments": [4, 9, 50, 31, 82, 5, 8, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Catalan",      "Segments": [4, 24, 7, 24, 62, 5, -1, -1]},
  "Taxon": "Walloon",      "Segments": [4, 23, -1, -1, 10, 3, -1, -1]},
  "Taxon": "Friulian",     "Segments": [4, 5, 50, 3, 62, 41, -1, -1]},
  "Taxon": "Romanian",     "Segments": [4, 5, 50, 3, 62, 5, -1, -1]}
}],
{
  "Name": "ToFly-Primary", "Data": [
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    {"Taxon": "French",     "Segments": [50, 17, 14, 6, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [7, 17, 14, 5, 8, -1]},
    {"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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    {"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": [53, 5, -1, 2, 3, 4, 41, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Mergere", "Data": [
    {"Taxon": "Latin",      "Segments": [2, 6, 15, 62, 6, 15, 6]},
    {"Taxon": "Italian",    "Segments": [2, 12, 15, 67, 6, 15, 6]},
    {"Taxon": "Romanian",   "Segments": [2, 6, 15, 67, 6, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Ambitare", "Data": [
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    {"Taxon": "Spanish",    "Segments": [5, 4, 21, -1, -1, 5, 8, -1]},
    {"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": [
    {"Taxon": "Latin",      "Segments": [47, 6, 4, 20, 15, 6]},
    {"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]}
  ]
},
{
  "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]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```

{"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, 55, -1, 21, 6, 19, -1]},
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{"Taxon": "Walloon", "Segments": [14, 12, 50, 6, -1, -1]},
{"Taxon": "Friulian", "Segments": [14, 6, 50, 41, -1, -1]},

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Appendix 1 - Tongue Twister Configuration

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}],
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    {
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    {
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  ]
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    {
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    {
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    {
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    {
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    {
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    {
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    {
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}
```

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```

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  {"Taxon": "Walloon",     "Segments": [26, 3, 4, -1, 3, -1, -1]},
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  "Taxon": "Friulian",       "Segments": [6, -1, 33, 34, 15, 3, 2, -1, 3, -1, -1]},
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      "Taxon": "Portuguese",     "Segments": [33, 31, -1, 19, 5, 8, -1]},
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```

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  {"Taxon": "PortugueseBrazil",
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  {"Taxon": "Portuguese",
   "Segments": [14, 28, -1, 34, -1, -1, 5, 8, -1]}
]},
{"Name": "ToPull-Primary", "Data": [
  {"Taxon": "Latin",
   "Segments": [26, 3, 15, 41, 15, 6]},
  {"Taxon": "French",
   "Segments": [26, 3, 19, 6, -1, -1]},
  {"Taxon": "Spanish",
   "Segments": [26, 3, 8, 5, 8, -1]},
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Italian",          "Segments": [26, 3, 15, 5, 15, 6]},
  "Taxon": "PortugueseBrazil", "Segments": [30, 3, 8, 5, -1, -1]},
  "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]}
}],
{
  "Name": "ToPull-Pulsare", "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, 8, -1]},
    {"Taxon": "Portuguese",     "Segments": [34, 13, -1, 36, 5, 8, -1]},
    {"Taxon": "Walloon",        "Segments": [34, 59, 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, 67, 6, -1, -1]}
  ]
},
{
  "Name": "ToPush-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [3, 2, 34, 3, 4, 62, 6, 15, 6]},
    {"Taxon": "Italian",        "Segments": [3, 2, 34, 3, 4, 67, 6, 15, 6]},
    {"Taxon": "Catalan",        "Segments": [24, 2, 34, 12, 22, -1, 24, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [31, 2, 34, 3, 4, 67, 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": [67, 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": [67, 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": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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, 70, 39, 5, -1, -1]}
}],
{
  "Name": "ToTie-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [14, 3, 62, 41, 15, 6]},
      "Taxon": "French",
      "Segments": [14, 3, -1, 6, -1, -1]},
      "Taxon": "Spanish",
      "Segments": [14, 6, 62, 5, 8, -1]},
      "Taxon": "Italian",
      "Segments": [14, 6, 62, 5, 15, 6]},
      "Taxon": "Catalan",
      "Segments": [18, 3, 82, 5, -1, -1]},
      "Taxon": "Walloon",
      "Segments": [14, 64, 3, -1, -1, -1]},
      "Taxon": "Friulian",
      "Segments": [14, 6, -1, 41, -1, -1]},
      "Taxon": "Romanian",
      "Segments": [14, 6, 62, 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": [53, 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, 71, -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]},
    ]
  },
}
```

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```
{
  "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]}
}],
{
  "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": [53, 5, 4, 26, 41, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [39, 31, 4, 26, 5, -1, -1]}
  ]
},
{
  "Name": "ToPlay-Ludere", "Data": [
    {"Taxon": "Latin",          "Segments": [14, 59, 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, 62, 5, 8, -1]},
    {"Taxon": "Italian",        "Segments": [67, 17, -1, 39, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [80, 17, -1, 62, 5, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [80, 13, -1, 82, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [80, 13, -1, 62, 5, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [67, 13, 47, -1, 6, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [67, 13, 10, -1, 41, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [80, 13, -1, 39, 5, -1, -1]}
  ]
},
{
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    {"Taxon": "Latin",          "Segments": [0, 14, 59, 39, 26, 13, 41, 15, 6]},
    {"Taxon": "French",         "Segments": [0, 14, 61, 39, 26, 60, 6, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [0, 14, 13, 62, 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, 53, 26, 13, 5, -1, -1]}
  ]
},
{
  "Name": "ToFloat-Fluitare", "Data": [
    {"Taxon": "Latin",          "Segments": [0, 14, 13, 3, 26, 41, 15, 6]},
    {"Taxon": "Italian",        "Segments": [0, 14, 13, 3, 26, 5, 15, 6]}
  ]
},
{
  "Name": "ToFlow-Primary", "Data": [
```

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```
{
  "Taxon": "Latin",          "Segments": [0, 14, 13, 6, 15, 6]},
  "Taxon": "French",         "Segments": [0, 14, 61, 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": [
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    {"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]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 17, -1, 5, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [39, 13, -1, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [39, 13, 57, 5, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [39, 23, 14, 6, -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, 17, -1, 15, 20, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [-1, -1, 33, 39, 13, 8, 67, 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, 75, 3, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [39, 17, -1, 15, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [39, 13, 8, 67, 6, -1, -1]}
  ]
},
{
  "Name": "ToFreeze-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [62, 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": [67, 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": [67, 5, 14, 6, -1, -1]}
  ]
},
{
  "Name": "ToFreeze-Glaciare", "Data": [
    {"Taxon": "Latin",          "Segments": [62, 14, 5, -1, 39, 3, 41, 15, 6]},
    {"Taxon": "French",         "Segments": [62, 14, 5, -1, 33, -1, 6, -1, -1]},
    {"Taxon": "Italian",        "Segments": [62, 10, 5, 26, 30, 10, 5, 15, 6]},
    {"Taxon": "Catalan",        "Segments": [62, 14, 24, -1, 33, -1, 5, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [62, 14, 5, -1, 30, -1, 41, -1, -1]}
  ]
}
```


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```
}},
{"Name": "ToFreeze-Inglaciare", "Data": [
  {"Taxon": "Latin", "Segments": [3, 4, 62, 14, 5, 39, 3, 41, 15, 6]},
  {"Taxon": "Romanian", "Segments": [31, 4, 62, -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]},
  {"Taxon": "Catalan", "Segments": [3, 2, 0, 14, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [55, -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, 62, -1, 48, -1, 0, 14, 6, -1, -1]},
  {"Taxon": "Italian", "Segments": [-1, 62, -1, 17, 4, 0, 10, 5, 15, 6]},
  {"Taxon": "Walloon", "Segments": [-1, 62, -1, 71, -1, 0, 14, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [35, 62, 14, 17, 70, 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": "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": "Italian", "Segments": [0, 10, 5, 2, 2, 5, 15, 6]},
  {"Taxon": "Catalan", "Segments": [0, 57, 5, -1, 2, 5, -1, -1]},
  {"Taxon": "Friulian", "Segments": [0, 14, 5, -1, 2, 41, -1, -1]}
]},
}},
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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": "Romanian", "Segments": [5, 8, 21, 6, -1, -1] }
  ],
  "Name": "ToBurn-Flagrare", "Data": [
    { "Taxon": "Latin", "Segments": [0, 14, 5, 62, 15, 41, 15, 6] },
    { "Taxon": "French", "Segments": [0, 14, 5, 62, 19, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [0, 14, 5, 62, 8, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [0, 14, 5, 62, 15, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [0, 14, 5, 62, 19, 5, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [0, 14, 5, 62, 8, 5, 8, -1] }
  ],
  "Name": "ToBurn-Incendere", "Data": [
    { "Taxon": "Latin", "Segments": [3, 4, 39, 6, 4, 21, -1, 6, 15, 6] },
    { "Taxon": "French", "Segments": [51, -1, 33, 27, -1, 21, 10, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [6, 4, 44, 6, 4, 21, -1, 6, 8, -1] },
    { "Taxon": "Italian", "Segments": [3, 4, 30, 12, 4, 21, 10, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [28, -1, 33, 6, 4, 67, 78, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [28, -1, 33, 55, -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] },
  ]
}
```

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```
{
  "Taxon": "Friulian",      "Segments": [2, 17, 14, 53, -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, 53, -1, -1]}
  ]
},
{
  "Name": "Some-Primary", "Data": [
    {"Taxon": "French",      "Segments": [17, -1, 39, 87, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [5, 14, 62, 13, 4, 17]},
    {"Taxon": "Italian",    "Segments": [5, 14, 39, 13, 4, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [5, 47, 62, 84, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [5, 57, 62, 84, -1, -1]},
    {"Taxon": "Catalan",    "Segments": [24, 14, 62, 13, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [5, 14, 39, 23, 4, -1]}
  ]
},
{
  "Name": "Few-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [34, 72, 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, 57, -1, -1, -1]}
  ]
},
{
  "Name": "Big-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [2, 5, 62, 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": [62, 15, 5, 4, 21, 6, 2]}
  ]
}
```

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```

    {"Taxon": "French", "Segments": [62, 19, 27, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [62, 8, 5, 4, 21, 6, -1]},
    {"Taxon": "Italian", "Segments": [62, 15, 5, 4, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [62, 8, 29, -1, 67, 3, -1]},
    {"Taxon": "Portuguese", "Segments": [62, 8, 29, -1, 21, 31, -1]},
    {"Taxon": "Catalan", "Segments": [62, 15, 5, 4, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [62, 15, 27, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [62, 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]}
  ]},
  {"Name": "Long-Longum", "Data": [
    {"Taxon": "Latin", "Segments": [14, 17, 4, 62, 13, 33]},
    {"Taxon": "French", "Segments": [14, 71, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [14, 17, 4, 62, 17, -1]},
    {"Taxon": "Italian", "Segments": [14, 13, 4, 62, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 48, -1, 62, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 48, -1, 62, 13, -1]},
    {"Taxon": "Catalan", "Segments": [18, 17, 70, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 71, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 13, 4, 39, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 13, 4, 62, -1, -1]}
  ]},
  {"Name": "Long-Largum", "Data": [
    {"Taxon": "Latin", "Segments": [14, 5, 15, 62, 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, 62, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 5, 19, 62, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 5, 8, 62, 13, -1]},
    {"Taxon": "Catalan", "Segments": [18, 5, 8, 39, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 5, -1, 67, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 5, 15, 39, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 5, 15, 62, -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]}
  ]},
  ]},

```

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```
{
  "Name": "Thick-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [39, 15, 5, 33, 33, 13, 33]}},
    { "Taxon": "French", "Segments": [62, 19, 58, -1, -1, -1, -1]}},
    { "Taxon": "Spanish", "Segments": [62, 8, 5, -1, 33, 17, -1]}},
    { "Taxon": "Italian", "Segments": [62, 15, 5, 33, 33, 17, -1]}},
    { "Taxon": "Portuguese", "Segments": [62, 8, 5, -1, 36, 13, -1]}},
    { "Taxon": "Catalan", "Segments": [62, 8, 5, -1, 33, -1, -1]}},
    { "Taxon": "Walloon", "Segments": [39, 15, 58, -1, -1, -1, -1]}},
    { "Taxon": "Friulian", "Segments": [62, 15, 5, 33, -1, -1, -1]}},
    { "Taxon": "Romanian", "Segments": [62, 15, 5, 33, -1, -1, -1]}},
  ],
  "Name": "Thick-Spissum", "Data": [
    { "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": [62, 13, 15, 21, 13, 33]}},
    { "Taxon": "Spanish", "Segments": [62, 17, 8, 21, 17, -1]}},
  ],
  "Name": "Thick-Grossus", "Data": [
    { "Taxon": "Latin", "Segments": [62, 15, 17, -1, 33, 33, 13, 33]}},
    { "Taxon": "French", "Segments": [62, 19, 17, -1, -1, -1, -1, -1]}},
    { "Taxon": "Italian", "Segments": [62, 15, 23, -1, 33, 33, 17, -1]}},
    { "Taxon": "PortugueseBrazil", "Segments": [62, 8, 17, -1, -1, 33, 13, -1]}},
    { "Taxon": "Portuguese", "Segments": [62, 8, 17, -1, -1, 33, 13, -1]}},
    { "Taxon": "Catalan", "Segments": [62, 8, 23, -1, -1, 33, -1, -1]}},
    { "Taxon": "Walloon", "Segments": [62, 8, 23, -1, -1, -1, -1, -1]}},
    { "Taxon": "Friulian", "Segments": [62, 15, 47, 12, 33, -1, -1, -1]}},
    { "Taxon": "Romanian", "Segments": [62, 15, 17, -1, 33, -1, -1, -1]}},
  ],
  "Name": "Heavy-Primary", "Data": [
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    { "Taxon": "French", "Segments": [62, 19, 3, 10, 12, 0, -1, -1]}},
    { "Taxon": "Spanish", "Segments": [62, 8, 5, -1, -1, 7, 6, -1]}},
    { "Taxon": "Italian", "Segments": [62, 15, 12, -1, -1, 50, 6, -1]}},
    { "Taxon": "PortugueseBrazil", "Segments": [62, 8, 5, -1, -1, 50, 3, -1]}},
    { "Taxon": "Portuguese", "Segments": [62, 8, 5, -1, -1, 50, 31, -1]}},
    { "Taxon": "Catalan", "Segments": [62, 8, 6, -1, -1, 47, -1, -1]}},
    { "Taxon": "Walloon", "Segments": [62, 15, 58, -1, -1, 50, -1, -1]}},
    { "Taxon": "Friulian", "Segments": [62, 15, 12, -1, -1, 50, 3, -1]}},
    { "Taxon": "Romanian", "Segments": [62, 8, 6, -1, -1, 47, -1, -1]}},
  ],
  "Name": "Heavy-Lurdus", "Data": [
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    { "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]}},
  ]
}
```

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```
}},
{"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]},
  {"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]}
]},
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  {"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]}
]},
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  {"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, 62, 13, 33, 26, 13, 33]},
  {"Taxon": "Spanish", "Segments": [5, 4, 62, 17, 33, 26, 17, -1]},
  {"Taxon": "Italian", "Segments": [5, 4, 62, 13, 33, 26, 17, -1]},
  {"Taxon": "Romanian", "Segments": [31, 70, 62, 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, -1]}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "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, 59, -1, 26, 13, 33]},
  {"Taxon": "French",     "Segments": [2, 24, 4, 61, -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]},
  {"Taxon": "Friulian",   "Segments": [2, 3, 4, 59, -1, 26, -1, -1]},
  {"Taxon": "Romanian",  "Segments": [2, 24, 15, 13, 4, 26, -1, -1]}
}],
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  {"Taxon": "Latin",      "Segments": [21, 1, 14, 3, 39, 41, 26, 13, 33]},
  {"Taxon": "French",     "Segments": [21, 59, -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, 62, 5, 21, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 12, 57, -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, 57, -1, -1, -1, -1, -1]},
  {"Taxon": "Walloon",    "Segments": [30, 17, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian",   "Segments": [53, 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, 62, 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]}
]}
```

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```
}},
{"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, 55, -1, 30, 3, -1]},
  {"Taxon": "Portuguese", "Segments": [19, 6, 33, -1, 55, -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]},
  {"Taxon": "French", "Segments": [34, 14, 51, -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, 57, 12, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [34, 14, 51, -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, 56, 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, 59, 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]},
  {"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]},
  {"Taxon": "Portuguese", "Segments": [7, -1, 48, -1, -1, -1]},
  {"Taxon": "Catalan", "Segments": [7, -1, 23, 4, -1, -1]},
  {"Taxon": "Walloon", "Segments": [7, -1, 71, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [7, -1, 23, 4, -1, -1]}
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    {"Taxon": "Romanian",      "Segments": [7, -1, 13, 4, -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, 58, 50, 5, -1]},
    {"Taxon": "Friulian",     "Segments": [2, 41, 14, -1, -1]}
  ]},
  {"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, 53, 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]}
  ]},
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    {"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": [67, 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]},
    {"Taxon": "Spanish",      "Segments": [15, 6, 21, 17, 4, 21, 17, -1]},

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    {"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]},
    {"Taxon": "Walloon", "Segments": [15, 71, -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, 59, 26, 13, 33]},
    {"Taxon": "Spanish", "Segments": [5, 82, 13, 37, 17, -1]},
    {"Taxon": "Portuguese", "Segments": [9, 82, 13, 37, 13, -1]},
    {"Taxon": "Catalan", "Segments": [24, 62, 13, 26, -1, -1]},
    {"Taxon": "Walloon", "Segments": [5, 62, 61, -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, 59, 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, 67, 13, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [4, 12, 67, 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": [59, 2, 3, 21, 13, 33]},
    {"Taxon": "Italian", "Segments": [13, 2, 3, 21, 17, -1]},
    {"Taxon": "Walloon", "Segments": [61, 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": [59, 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]},

```

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```
{
  "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": [
    {"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]}
  ]
},
{
  "Name": "Near-Pressus", "Data": [
    {"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, 51, -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, 51, -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]}
  ]
},
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  "Name": "Near-Circa", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 3, 15, 39, 5]},
    {"Taxon": "French",         "Segments": [44, 6, 8, 39, 5]}
  ]
},
{
  "Name": "Far-Primary", "Data": [
    {"Taxon": "French",         "Segments": [14, 47, 51, -1, 26, 51, -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]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```

{"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]},
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]},
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  {"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]},
  {"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": "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, 67, -1, -1, -1]},
  {"Taxon": "Friulian",   "Segments": [15, 23, -1, 33, -1, -1]},
  {"Taxon": "Romanian",   "Segments": [8, 17, -1, 36, 13, -1]}
]},
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  {"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]}
]},
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  {"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, 67, 6, -1, -1]},
  {"Taxon": "Walloon",    "Segments": [15, 23, -1, 30, -1, -1, -1]},
  {"Taxon": "Romanian",   "Segments": [15, 68, -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]}
]
```


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```
{
  "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": [62, 5, 14, 7, 3, 4, 13, 33]},
    {"Taxon": "French",     "Segments": [80, 17, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [67, 12, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [62, 5, 14, 7, 6, 4, -1, -1]}
  ]
},
{
  "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, 66, 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": [62, 8, 23, 39, -1, -1, -1]}
  ]
},
{
  "Name": "White-Primary", "Data": [
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    {"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": [71, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [13, 70, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [13, 4, 13, -1]}
  ]
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    {"Taxon": "French",     "Segments": [21, -1, 73, -1]},
    {"Taxon": "Spanish",    "Segments": [21, -1, 17, 33]},
    {"Taxon": "PortugueseBrazil", "Segments": [21, -1, 68, 33]},
    {"Taxon": "Portuguese",  "Segments": [21, -1, 68, 36]},
    {"Taxon": "Catalan",    "Segments": [21, -1, 17, 33]},
    {"Taxon": "Walloon",    "Segments": [21, -1, 88, 33]},
    {"Taxon": "Friulian",   "Segments": [21, -1, 68, -1]},
    {"Taxon": "Romanian",   "Segments": [21, -1, 68, -1]}
  ]
},
{
  "Name": "Two-Duae", "Data": [
```

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```
{
  "Taxon": "Latin",          "Segments": [21, 13, -1, 43]},
  "Taxon": "Italian",       "Segments": [21, 13, -1, 6]},
  "Taxon": "Romanian",      "Segments": [21, 17, 47, 24]}
}],
{
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      "Taxon": "PortugueseBrazil", "Segments": [21, 13, 9, 33]},
      "Taxon": "Portuguese",    "Segments": [21, 13, 9, 36]}
    ]
  },
{
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    {
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      "Taxon": "French",        "Segments": [26, 19, 47, 58, -1]},
      "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]}
    ]
  },
{
  "Name": "Five-Primary", "Data": [
    {
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      "Taxon": "French",        "Segments": [33, 55, -1, 39, -1, -1]},
      "Taxon": "Spanish",       "Segments": [44, 3, 4, 39, -1, 17]},
      "Taxon": "Italian",       "Segments": [30, 3, 70, 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, 70, 39, -1, -1]},
      "Taxon": "Walloon",       "Segments": [33, 51, -1, 39, -1, -1]},
      "Taxon": "Friulian",      "Segments": [30, 3, 70, 39, -1, -1]},
      "Taxon": "Romanian",      "Segments": [30, 3, 4, 30, -1, -1]}
    ]
  },
{
  "Name": "Here-Primary", "Data": [
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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": "Latin",          "Segments": [3, 14, 14, 41, 39]}
    ]
  },
}
```

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```

    {"Taxon": "French", "Segments": [-1, -1, 14, 5, -1]},
    {"Taxon": "Spanish", "Segments": [5, -1, 66, 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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    {"Taxon": "Spanish", "Segments": [5, 3]},
    {"Taxon": "PortugueseBrazil", "Segments": [5, 3]},
    {"Taxon": "Portuguese", "Segments": [9, 3]}
  ]},
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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]}
  ]},
  {"Name": "Who-Quem", "Data": [
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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": "French", "Segments": [39, 47, 5, -1]},
    {"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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```
}},
{"Name": "How-Quomodo", "Data": [
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  {"Taxon": "French", "Segments": [39, 23, 2, 27, -1, -1]},
  {"Taxon": "Spanish", "Segments": [39, 17, 2, 17, -1, -1]},
  {"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, 59, 26, -1]},
  {"Taxon": "Romanian", "Segments": [39, 13, 2, -1, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [4, 71, -1]},
  {"Taxon": "Spanish", "Segments": [4, 17, -1]},
  {"Taxon": "Italian", "Segments": [4, 17, 4]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 52, -1]},
  {"Taxon": "Portuguese", "Segments": [4, 52, -1]},
  {"Taxon": "Catalan", "Segments": [4, 17, -1]},
  {"Taxon": "Walloon", "Segments": [4, 71, -1]},
  {"Taxon": "Friulian", "Segments": [4, 17, -1]},
  {"Taxon": "Romanian", "Segments": [4, 13, -1]}
]},
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  {"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]},
  {"Taxon": "Portuguese", "Segments": [9, -1]},
  {"Taxon": "Catalan", "Segments": [5, -1]},
  {"Taxon": "Walloon", "Segments": [5, -1]},
  {"Taxon": "Friulian", "Segments": [5, -1]},
  {"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]},
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{
  "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]},
  {"Taxon": "Portuguese",   "Segments": [39, 48, -1]},
  {"Taxon": "Romanian",     "Segments": [39, 13, -1]}
]},
{"Name": "With-Abhoc", "Data": [
  {"Taxon": "Latin",        "Segments": [5, 7, 49, 17, 53]},
  {"Taxon": "French",       "Segments": [5, 50, -1, 6, 39]},
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