

Appendix 1 - Tongue Twister Configuration

```
{
  "Tree": "(Latin,(Romanian,(((Walloon,French),(((Portuguese,PortugueseBrazil),Spanish),
Catalan)),(Friulian,Italian))))";
  "NumberOfStates": 89,
  "McmcSettings": {
    "OnlyCompleteWords": "No",
    "Model": "Custom",
    "CalcMarginal": "No",
    "UseEigenSystem": "No",
    "NumCycles": 300000,
    "PrintFreq": 1000,
    "SampleFreq": 100,
    "TreeLengthPriorVal": 0.15
  },
  "Taxa": ["Latin", "French", "Spanish", "Italian", "PortugueseBrazil", "Portuguese", "Catalan",
"Walloon", "Friulian", "Romanian"],
  "PriorFrequencies": [2.011888,0.960219,4.389575,4.206676,3.566529,3.932327,2.789209,
2.880658,1.188843,0.091449,4.115226,0.137174,1.691815,4.023777,3.109282,2.011888,0.868770,
2.743484,0.228624,0.228624,1.463192,2.103338,1.920439,1.600366,1.005944,0.045725,3.109282,
0.091449,0.823045,0.045725,0.045725,0.731596,0.045725,3.063557,3.932327,1.371742,1.691815,
0.228624,0.960219,4.115226,0.045725,1.371742,0.045725,0.045725,0.182899,0.045725,0.045725,
3.749428,0.365798,2.560585,0.502972,1.234568,0.045725,0.365798,0.045725,0.640146,0.045725,
0.502972,0.457247,0.045725,0.320073,1.326017,0.091449,0.274348,2.606310,0.045725,0.045725,
0.457247,0.091449,0.045725,0.045725,0.274348,2.880658,0.137174,0.045725,0.045725,0.045725,
0.137174,0.685871,0.731596,0.548697,0.640146,0.548697,0.731596,0.457247,0.045725,0.045725,
0.091449,0.640146],
  "PartitionSets": [{"Name": "e", "Set": [1, 6]},{ "Name": "i", "Set": [3, 20]},{ "Name": "a", "Set":
[5, 41]},{ "Name": "u", "Set": [13, 61]},{ "Name": "o", "Set": [17, 38]},{ "Name": "ε", "Set": [12]}
,{ "Name": "ø", "Set": [73, 87]},{ "Name": "Nasal Vowel", "Set": [27, 28, 29, 32, 42, 48, 50, 53, 54,
57, 83, 86]},{ "Name": "Vowel", "Set": [9, 11, 23, 24, 25, 31, 43, 45, 46, 52, 56, 60, 63, 65, 66,
70, 74, 76, 78, 88]},{ "Name": "Nasal Consonant", "Set": [2, 4, 22, 72, 85]},{ "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, 51, 55, 58, 59, 62, 64, 67, 68, 69, 71, 75, 77, 79, 80, 81, 82,
84]}],
  "Words": [
    {"Name": "Woman-Primary", "Data": [
      {"Taxon": "Latin", "Segments": [0, 1, -1, 2, 3, -1, 4, -1, 5]},
      {"Taxon": "French", "Segments": [0, 5, -1, 2, -1, -1, -1, -1, -1]},
      {"Taxon": "Spanish", "Segments": [-1, 6, -1, 2, -1, 7, 8, -1, 5]},
      {"Taxon": "Italian", "Segments": [0, 6, 2, 2, 3, -1, 4, -1, 5]},
      {"Taxon": "PortugueseBrazil", "Segments": [0, 6, -1, 2, 6, -1, -1, -1, 9]},
      {"Taxon": "Portuguese", "Segments": [0, 6, -1, 2, 10, -1, -1, -1, 9]},
      {"Taxon": "Catalan", "Segments": [0, 6, -1, 2, -1, 7, 8, -1, 5]},
      {"Taxon": "Walloon", "Segments": [0, 11, -1, 2, -1, -1, -1, -1, -1]},
      {"Taxon": "Friulian", "Segments": [0, 12, -1, 2, 3, -1, 4, -1, 6]},
      {"Taxon": "Romanian", "Segments": [0, 6, -1, 2, 6, -1, -1, 10, 6]}
    ]},
    {"Name": "Woman-Mulier", "Data": [
      {"Taxon": "Latin", "Segments": [2, 13, 14, 3, 6, 15, 6, 2]},
      {"Taxon": "Spanish", "Segments": [2, 13, 16, -1, 6, 8, -1, -1]},
      {"Taxon": "Italian", "Segments": [2, 17, 18, 18, 6, -1, -1, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [2, 13, 18, -1, 6, 19, -1, -1]},
      {"Taxon": "Portuguese", "Segments": [2, 13, 18, -1, 6, 8, -1, -1]},
      {"Taxon": "Catalan", "Segments": [2, 13, 18, -1, 6, -1, -1, -1]},
      {"Taxon": "Friulian", "Segments": [2, 13, -1, -1, 20, 15, -1, -1]},
      {"Taxon": "Romanian", "Segments": [2, 13, -1, 10, 6, 15, 6, -1]}
    ]},
    {"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]}
    ]}
  ]
}
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{"Taxon": "Italian",           "Segments": [21, 23, 4, -1, 4, 5]},
{"Taxon": "PortugueseBrazil", "Segments": [21, 17, -1, -1, 4, 9]},
{"Taxon": "Portuguese",       "Segments": [21, 17, -1, -1, 4, 9]},
{"Taxon": "Catalan",          "Segments": [21, 23, -1, -1, 4, 24]},
{"Taxon": "Walloon",           "Segments": [21, 5, 2, -1, -1, -1]},
{"Taxon": "Friulian",          "Segments": [21, 23, -1, -1, 4, 6]},
{"Taxon": "Romanian",          "Segments": [21, 25, 2, -1, 4, 24]}
}],
{"Name": "Child-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [3, 4, 0, 5, 4, 26, 6, 2]},
  {"Taxon": "French",          "Segments": [27, -1, 0, 27, -1, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [3, 4, 0, 5, 4, 26, 6, -1]},
  {"Taxon": "Italian",         "Segments": [-1, -1, 0, 5, 4, 26, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 0, 29, -1, 30, 3, -1]},
  {"Taxon": "Portuguese",      "Segments": [28, -1, 0, 29, -1, 26, 31, -1]},
  {"Taxon": "Walloon",         "Segments": [12, -1, 0, 27, -1, -1, -1, -1]}
]},
{"Name": "Child-Ninnus", "Data": [
  {"Taxon": "Spanish",         "Segments": [4, 3, 22, 17]},
  {"Taxon": "Italian",         "Segments": [4, 3, 4, 17]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 6, 4, 32]},
  {"Taxon": "Portuguese",      "Segments": [4, 6, 4, 32]},
  {"Taxon": "Catalan",         "Segments": [4, 6, 4, -1]},
  {"Taxon": "Friulian",        "Segments": [4, 3, 4, 3]}
]},
{"Name": "Wife-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [-1, 33, 34, 17, 4, 33, 5]},
  {"Taxon": "French",          "Segments": [6, -1, 34, 13, -1, 35, -1]},
  {"Taxon": "Spanish",         "Segments": [6, 33, 34, 17, -1, 33, 5]},
  {"Taxon": "Italian",         "Segments": [-1, 33, 34, 23, -1, 35, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 17, -1, 35, 5]},
  {"Taxon": "Portuguese",      "Segments": [31, 36, 34, 17, -1, 35, 9]},
  {"Taxon": "Catalan",         "Segments": [24, 33, 34, 23, -1, 35, 24]},
  {"Taxon": "Friulian",        "Segments": [-1, 33, 34, 17, -1, 33, 6]}
]},
{"Name": "Husband-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [2, 5, 15, 20, 26, 13, 33]},
  {"Taxon": "French",          "Segments": [2, 5, 19, 3, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [2, 5, 8, 3, 37, 17, -1]},
  {"Taxon": "Italian",         "Segments": [2, 5, 15, 3, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 5, 8, 3, 21, 13, -1]},
  {"Taxon": "Portuguese",      "Segments": [2, 9, 8, 3, 37, 13, -1]},
  {"Taxon": "Catalan",         "Segments": [2, 5, 8, 3, 26, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [2, 5, 15, 20, 26, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [2, 24, 15, 3, 26, -1, -1]}
]},
{"Name": "Husband-Sponsus", "Data": [
  {"Taxon": "Latin",           "Segments": [-1, 33, 34, 17, 4, 33, 13, 33]},
  {"Taxon": "French",          "Segments": [6, -1, 34, 13, -1, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [6, 33, 34, 17, -1, 33, 17, -1]},
  {"Taxon": "Italian",         "Segments": [-1, 33, 34, 23, -1, 35, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 33, 34, 17, -1, 35, 13, -1]},
  {"Taxon": "Portuguese",      "Segments": [31, 36, 34, 17, -1, 35, 13, -1]},
  {"Taxon": "Catalan",         "Segments": [24, 33, 34, 23, -1, 33, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [-1, 33, 34, 38, -1, 33, -1, -1]}
]},
{"Name": "Husband-Socius", "Data": [
  {"Taxon": "Latin",           "Segments": [33, 17, 39, 3, 13, 33]},
  {"Taxon": "Romanian",        "Segments": [33, 17, 40, -1, -1, -1]}
]},
{"Name": "Mother-Primary", "Data": [

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{
  "Taxon": "Latin",          "Segments": [2, 41, 26, 15, 6, 2]},
  "Taxon": "French",        "Segments": [2, 12, -1, 19, -1, -1]},
  "Taxon": "Spanish",       "Segments": [2, 5, 37, 8, 6, -1]},
  "Taxon": "Italian",       "Segments": [2, 5, 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, 2]},
    {"Taxon": "French",        "Segments": [34, 12, -1, 19, -1, -1]},
    {"Taxon": "Spanish",       "Segments": [34, 5, 37, 8, 6, -1]},
    {"Taxon": "Italian",       "Segments": [34, 5, 21, 15, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, 43, -1, -1, -1, -1]},
    {"Taxon": "Portuguese",    "Segments": [34, 43, -1, -1, -1, -1]},
    {"Taxon": "Catalan",       "Segments": [34, 5, -1, 8, 24, -1]},
    {"Taxon": "Walloon",       "Segments": [34, 12, -1, 15, -1, -1]},
    {"Taxon": "Friulian",      "Segments": [34, 5, -1, 15, 3, -1]}
  ]
},
{
  "Name": "Father-Tata", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 5, 26, 5]},
    {"Taxon": "Spanish",       "Segments": [26, 5, 26, 5]},
    {"Taxon": "Italian",       "Segments": [26, 5, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 5, 26, 5]},
    {"Taxon": "Portuguese",    "Segments": [26, 5, 26, 5]},
    {"Taxon": "Friulian",      "Segments": [26, 5, 26, 6]},
    {"Taxon": "Romanian",      "Segments": [26, 5, 26, 24]}
  ]
},
{
  "Name": "Animal-Primary", "Data": [
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    {"Taxon": "French",        "Segments": [17, -1, -1, 2, 5, -1, 10, -1]},
    {"Taxon": "Spanish",       "Segments": [5, 14, 3, 2, 5, 22, -1, 5]},
    {"Taxon": "Friulian",      "Segments": [-1, 4, 6, 2, 41, 14, -1, -1]},
    {"Taxon": "Romanian",      "Segments": [-1, 4, 24, 2, 5, -1, 10, 6]}
  ]
},
{
  "Name": "Animal-Bestia", "Data": [
    {"Taxon": "Latin",          "Segments": [7, -1, 1, 33, 26, 3, 5]},
    {"Taxon": "Italian",       "Segments": [7, -1, 3, 36, 36, -1, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 3, -1, 36, -1, 9]},
    {"Taxon": "Portuguese",    "Segments": [7, -1, 3, -1, 36, -1, 9]},
    {"Taxon": "Walloon",       "Segments": [7, 3, 12, 33, -1, -1, -1]},
    {"Taxon": "Friulian",      "Segments": [7, -1, 3, 33, -1, -1, -1]}
  ]
},
{
  "Name": "Fish-Piskem", "Data": [
    {"Taxon": "Latin",          "Segments": [34, 3, 33, 39, 6, 2]},
    {"Taxon": "Spanish",       "Segments": [34, 6, 44, -1, -1, -1]},
    {"Taxon": "Italian",       "Segments": [34, 6, 36, 36, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, 45, 36, -1, 3, -1]},
    {"Taxon": "Portuguese",    "Segments": [34, 46, 36, -1, 31, -1]},
    {"Taxon": "Catalan",       "Segments": [34, 6, 36, -1, -1, -1]},
    {"Taxon": "Friulian",      "Segments": [34, 12, 33, -1, -1, -1]},
    {"Taxon": "Romanian",      "Segments": [34, 6, 36, 26, 6, -1]}
  ]
},
{
  "Name": "Fish-Pescion", "Data": [
    {"Taxon": "French",        "Segments": [34, 47, 5, 33, 48]},
    {"Taxon": "Walloon",       "Segments": [34, -1, 12, 49, 50]}
  ]
},
{
  "Name": "Bird-Avem", "Data": [
    {"Taxon": "Latin",          "Segments": [5, 47, 6, 2]},
  ]
}
```

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{"Taxon": "Spanish",           "Segments": [5, 7, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [5, 51, 3, -1]},
{"Taxon": "Portuguese",       "Segments": [5, 51, 31, -1]},
{"Taxon": "Catalan",          "Segments": [5, 47, -1, -1]}
]},
{"Name": "Bird-Aucellus", "Data": [
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{"Taxon": "French",          "Segments": [47, 5, 35, -1, 17, -1, -1, -1, -1]},
{"Taxon": "Italian",         "Segments": [-1, 13, 26, 30, 12, 14, 14, 17, -1]},
{"Taxon": "Catalan",         "Segments": [-1, 13, 33, -1, 6, -1, 18, -1, -1]},
{"Taxon": "Walloon",         "Segments": [-1, 13, 49, -1, 12, -1, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [-1, 13, 30, 10, 12, -1, 14, -1, -1]}
]},
{"Name": "Bird-Passerem", "Data": [
{"Taxon": "Latin",           "Segments": [34, 5, 33, 33, 6, 15, 6, 2]},
{"Taxon": "Spanish",         "Segments": [34, 5, -1, 16, 5, 8, 17, -1]},
{"Taxon": "Italian",         "Segments": [34, 5, 33, 33, 6, 15, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [34, 5, -1, 33, 9, 8, 13, -1]},
{"Taxon": "Portuguese",      "Segments": [34, 5, -1, 33, 9, 8, 13, -1]},
{"Taxon": "Friulian",        "Segments": [34, 5, -1, 33, 5, 15, -1, -1]},
{"Taxon": "Romanian",        "Segments": [34, 5, -1, 33, 24, 8, 6, -1]}
]},
{"Name": "Dog-Primary", "Data": [
{"Taxon": "Latin",           "Segments": [39, -1, 5, 4, 6, 2]},
{"Taxon": "French",          "Segments": [36, 10, 53, -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, 54, -1, -1, -1]},
{"Taxon": "Portuguese",      "Segments": [39, -1, 54, -1, -1, -1]},
{"Taxon": "Catalan",         "Segments": [39, -1, 5, -1, -1, -1]},
{"Taxon": "Walloon",         "Segments": [30, -1, 53, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [55, -1, 5, 4, -1, -1]},
{"Taxon": "Romanian",        "Segments": [39, -1, 56, 4, 6, -1]}
]},
{"Name": "Louse-Primary", "Data": [
{"Taxon": "Latin",           "Segments": [34, -1, 1, 21, 13, -1, 39, 13, 14, 13, 33]},
{"Taxon": "French",          "Segments": [34, -1, 13, -1, -1, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Spanish",         "Segments": [34, 10, 17, -1, -1, -1, -1, 16, -1, -1, 17, -1]},
{"Taxon": "Italian",         "Segments": [34, -1, 3, 21, 23, 39, 39, -1, 10, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [34, -1, 3, -1, 17, -1, -1, 18, 13, -1, -1]},
{"Taxon": "Portuguese",      "Segments": [34, -1, 3, -1, 17, -1, -1, 18, 13, -1, -1]},
{"Taxon": "Catalan",         "Segments": [34, -1, 17, -1, -1, -1, -1, 18, -1, -1, -1]},
{"Taxon": "Walloon",         "Segments": [34, 10, 13, -1, -1, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [34, -1, 6, 21, 38, -1, -1, 14, 3, -1, -1]},
{"Taxon": "Romanian",        "Segments": [34, -1, 24, 21, 13, -1, 39, -1, 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, 12, 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, 12, 4, 26, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, 19, 34, -1, 57, -1, 30, 3, -1]},
{"Taxon": "Portuguese",      "Segments": [33, -1, 31, 8, 34, -1, 57, -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, 57, -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": [51, -1, 12, 19, -1, -1, -1]}
]
```

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{"Taxon": "Italian",           "Segments": [51, -1, 12, 15, 2, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [51, -1, 6, 19, 2, 3, -1]},
{"Taxon": "Portuguese",       "Segments": [51, -1, 6, 8, 2, 31, -1]},
{"Taxon": "Catalan",          "Segments": [51, -1, 12, 8, 2, -1, -1]},
{"Taxon": "Walloon",           "Segments": [51, 10, 6, 15, -1, -1, -1]},
{"Taxon": "Friulian",          "Segments": [51, 10, 41, 15, -1, -1, -1]},
{"Taxon": "Romanian",          "Segments": [51, 10, 6, 15, 2, 6, -1]}
}],
{"Name": "Tree-Primary", "Data": [
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  {"Taxon": "French",           "Segments": [5, 19, 7, -1, 19, -1, -1]},
  {"Taxon": "Spanish",          "Segments": [5, 8, 58, 17, 14, -1, -1]},
  {"Taxon": "Italian",          "Segments": [5, 14, 7, 6, 15, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [5, 19, 51, 17, 8, 3, -1]},
  {"Taxon": "Portuguese",       "Segments": [5, 8, 51, 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, 51, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 12, 47, 51, 5]},
  {"Taxon": "Portuguese",       "Segments": [33, 12, 59, 51, 9]},
  {"Taxon": "Catalan",          "Segments": [33, 6, 14, 7, 5]},
  {"Taxon": "Friulian",          "Segments": [33, 12, 14, 51, 6]}
]},
{"Name": "Stick-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [34, 41, 14, 13, 33]},
  {"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, 60, -1, -1, -1]},
  {"Taxon": "Friulian",          "Segments": [34, 41, 14, -1, -1]},
  {"Taxon": "Romanian",          "Segments": [34, 5, 8, -1, -1]}
]},
{"Name": "Fruit-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [0, 15, 61, -1, 39, 26, 13, 33]},
  {"Taxon": "French",           "Segments": [0, 19, 62, 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, 63, -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-Sementia", "Data": [
  {"Taxon": "Latin",           "Segments": [33, 1, 2, -1, 6, 4, 26, 3, 5]},
  {"Taxon": "French",           "Segments": [33, 24, 2, -1, 27, -1, 33, -1, -1]},
  {"Taxon": "Spanish",          "Segments": [33, 3, 2, 10, 6, 4, 26, 6, -1]},
  {"Taxon": "Italian",          "Segments": [33, 6, 2, -1, 6, 4, 26, 6, -1]},

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{"Taxon": "PortugueseBrazil", "Segments": [33, 6, 2, -1, 57, -1, 30, 3, -1]},
{"Taxon": "Portuguese", "Segments": [33, 31, 2, -1, 57, -1, 26, 31, -1]},
{"Taxon": "Catalan", "Segments": [33, 24, 2, -1, 6, 4, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [33, 3, 2, -1, 57, -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]}
}],
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  {"Taxon": "Latin", "Segments": [64, 15, 41, 4, 13, 2]},
  {"Taxon": "French", "Segments": [64, 19, 53, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [64, 8, 5, 4, 17, -1]},
  {"Taxon": "Italian", "Segments": [64, 15, 5, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [64, 8, 54, -1, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [64, 8, 54, -1, -1, -1]},
  {"Taxon": "Catalan", "Segments": [64, 8, 5, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [64, 15, 3, 4, -1, -1]},
  {"Taxon": "Friulian", "Segments": [64, 15, 5, 4, -1, -1]},
  {"Taxon": "Romanian", "Segments": [64, 15, 65, -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, 66, -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": [
  {"Taxon": "Latin", "Segments": [0, 15, 17, 4, 21, 6, 5]},
  {"Taxon": "Italian", "Segments": [0, 15, 17, 4, 67, -1, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [0, 8, 50, -1, 33, -1, 9]},
  {"Taxon": "Portuguese", "Segments": [0, 8, 50, -1, 33, -1, 9]},
  {"Taxon": "Romanian", "Segments": [0, 8, 13, 4, 35, -1, 24]}
]},
{"Name": "Root-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 15, 41, 21, -1, 20, 39, 6, 2]},
  {"Taxon": "Spanish", "Segments": [-1, 15, 5, -1, -1, 3, 44, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [-1, 19, 5, -1, -1, 3, 33, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [-1, 19, 9, -1, -1, 3, 36, -1, -1]},
  {"Taxon": "Catalan", "Segments": [24, 15, 12, 14, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [-1, 15, 5, 21, 15, 20, 33, -1, -1]}
]},
{"Name": "Root-Radicina", "Data": [
  {"Taxon": "Latin", "Segments": [15, 41, 21, 20, 39, 20, 4, 5]},
  {"Taxon": "French", "Segments": [19, 5, -1, -1, 33, 3, 4, -1]},
  {"Taxon": "Walloon", "Segments": [15, 12, -1, -1, 33, 12, 4, -1]},
  {"Taxon": "Romanian", "Segments": [15, 24, 21, 24, 30, 3, 4, 24]}
]},
{"Name": "BarkOfATree-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [39, 17, 15, 26, 3, 39, 6, 2]},
  {"Taxon": "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]}
]

```


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```
{
  "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-Scortea", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 33, 39, -1, 17, 15, 26, 6, 5]},
    {"Taxon": "French", "Segments": [6, -1, 39, -1, 23, 19, 33, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, 33, 39, -1, 23, 15, 67, -1, 5]},
    {"Taxon": "Catalan", "Segments": [24, 33, 39, -1, 23, 15, 33, -1, 24]},
    {"Taxon": "Walloon", "Segments": [-1, 49, -1, 47, 12, -1, 33, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 33, 39, 47, 5, 15, 30, -1, 6]},
    {"Taxon": "Romanian", "Segments": [-1, 33, 39, -1, 25, 8, 40, -1, 24]}
  ]
},
{
  "Name": "Flower-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [0, 14, 38, 15, 6, 2]},
    {"Taxon": "French", "Segments": [0, 14, 11, 19, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 17, 8, -1, -1]},
    {"Taxon": "Italian", "Segments": [0, 10, 17, 15, 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]},
    {"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": [68, -1, 6, 8, 7, 5]},
    {"Taxon": "Italian", "Segments": [-1, -1, 12, 15, 7, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 6, 19, 51, 9]},
    {"Taxon": "Portuguese", "Segments": [-1, -1, 12, 8, 51, 9]},
    {"Taxon": "Catalan", "Segments": [-1, -1, 6, 15, 7, 24]},
    {"Taxon": "Walloon", "Segments": [10, -1, 12, -1, 34, -1]},
    {"Taxon": "Friulian", "Segments": [10, -1, 6, 15, 7, 6]},
    {"Taxon": "Romanian", "Segments": [10, -1, 5, 8, 7, 24]}
  ]
},
{
  "Name": "Grass-Gramen", "Data": [
    {"Taxon": "Latin", "Segments": [64, 15, 41, 2, 6, 4]},
    {"Taxon": "Spanish", "Segments": [64, 8, 5, 2, 5, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [64, 8, 29, 2, 9, -1]},
    {"Taxon": "Portuguese", "Segments": [64, 8, 9, 2, 9, -1]},
    {"Taxon": "Catalan", "Segments": [64, 8, 5, 2, -1, -1]},
    {"Taxon": "Friulian", "Segments": [64, 15, 5, 2, 6, -1]}
  ]
},
{
  "Name": "Rope-Primary", "Data": [
    {"Taxon": "Latin", "Segments": [0, 61, 4, -1, 6, 2]},
    {"Taxon": "Italian", "Segments": [0, 13, 4, -1, 6, -1]},
    {"Taxon": "Romanian", "Segments": [0, 13, 4, 10, 6, -1]}
  ]
},
{
  "Name": "Rope-Restis", "Data": [
    {"Taxon": "Latin", "Segments": [15, 6, 33, 26, 6, 2]},
    {"Taxon": "Spanish", "Segments": [8, -1, 3, 33, 26, 5]},
    {"Taxon": "Italian", "Segments": [15, -1, 12, 33, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, -1, 12, 36, 30, 3]},
    {"Taxon": "Portuguese", "Segments": [19, -1, 6, 36, 26, 31]},
    {"Taxon": "Friulian", "Segments": [15, 10, 6, 33, 26, 6]}
  ]
},
{
  "Name": "Skin-Primary", "Data": [
    {"Taxon": "French", "Segments": [39, 47, 5, -1, -1, -1, 4, -1]},
    {"Taxon": "Italian", "Segments": [39, -1, 17, 26, 6, 4, 4, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 17, 69, 3, -1, -1, 9]}
  ]
}
```

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```

{"Taxon": "Portuguese",      "Segments": [39, -1, 17, 21, 3, -1, -1, 9]},
{"Taxon": "Catalan",        "Segments": [39, -1, 17, -1, -1, -1, 4, 24]},
{"Taxon": "Walloon",        "Segments": [39, -1, 70, 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, 12, 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]},
  {"Taxon": "French",       "Segments": [36, 12, 19, -1, -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, 60, 15, -1, -1, -1]},
  {"Taxon": "Friulian",     "Segments": [55, 41, 15, -1, -1, -1]},
  {"Taxon": "Romanian",     "Segments": [39, 5, 8, 4, 6, -1]}
]},
{"Name": "Blood-Primary", "Data": [
  {"Taxon": "Latin",        "Segments": [33, 5, 4, 71, -1, 3, 4, 6, 2]},
  {"Taxon": "French",       "Segments": [33, 27, -1, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Spanish",      "Segments": [33, 5, 72, 64, -1, -1, 8, 6, -1]},
  {"Taxon": "Italian",      "Segments": [33, 5, 4, 64, 47, 6, -1, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 29, -1, 64, -1, 3, -1, -1, -1]},
  {"Taxon": "Portuguese",   "Segments": [33, 29, -1, 64, -1, 31, -1, -1, -1]},
  {"Taxon": "Catalan",      "Segments": [33, 5, 72, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Walloon",      "Segments": [33, 48, -1, 64, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian",     "Segments": [33, 5, 4, 39, -1, -1, -1, -1, -1]},
  {"Taxon": "Romanian",     "Segments": [33, 31, 4, 69, -1, 6, -1, -1, -1]}
]},
{"Name": "Bone-Primary", "Data": [
  {"Taxon": "Latin",        "Segments": [-1, 17, 33, 33, 13, 2]},
  {"Taxon": "French",       "Segments": [-1, 23, -1, 33, -1, -1]},
  {"Taxon": "Spanish",      "Segments": [47, 6, -1, 33, 17, -1]},
  {"Taxon": "Italian",      "Segments": [-1, 23, 33, 33, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [-1, 17, -1, 33, 13, -1]},
  {"Taxon": "Portuguese",   "Segments": [-1, 17, -1, 33, 13, -1]},
  {"Taxon": "Catalan",      "Segments": [-1, 23, -1, 33, -1, -1]},
  {"Taxon": "Walloon",      "Segments": [-1, 23, -1, 49, 12, -1]},
  {"Taxon": "Friulian",     "Segments": [47, 12, -1, 33, -1, -1]},
  {"Taxon": "Romanian",     "Segments": [-1, 17, -1, 33, -1, -1]}
]},
{"Name": "FatNoun-Primary", "Data": [
  {"Taxon": "Latin",        "Segments": [5, 21, 3, 34, 6, 2]},
  {"Taxon": "Italian",      "Segments": [5, 21, 3, 34, 6, -1]}
]},
{"Name": "FatNoun-Crassia", "Data": [
  {"Taxon": "French",       "Segments": [64, 19, 12, 33, -1]},
  {"Taxon": "Spanish",      "Segments": [64, 8, 5, 33, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [64, 8, 5, 36, 9]},
  {"Taxon": "Portuguese",   "Segments": [64, 8, 5, 36, 9]}
]
```


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```
{
  "Taxon": "Catalan",      "Segments": [64, 8, 6, 36, -1]},
  "Taxon": "Walloon",      "Segments": [39, 15, 23, 49, -1]},
  "Taxon": "Friulian",     "Segments": [64, 15, 5, 33, -1]}
}],
{
  "Name": "Egg-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [-1, 38, 47, 13, 2]},
    {"Taxon": "French",     "Segments": [-1, 11, 0, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [47, 6, 7, 17, -1]},
    {"Taxon": "Italian",    "Segments": [47, 23, 51, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 17, 51, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 17, 51, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [-1, 23, 47, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [-1, 13, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [-1, 61, 0, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [-1, 17, 47, -1, -1]}
  ]
},
{
  "Name": "Horn-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, -1, 17, 15, 4, 61]},
    {"Taxon": "French",     "Segments": [39, -1, 23, 19, -1, -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": "Romanian",   "Segments": [39, -1, 17, 15, 4, -1]}
  ]
},
{
  "Name": "Horn-Cornua", "Data": [
    {"Taxon": "Latin",      "Segments": [39, -1, 17, 15, 4, 13, 5]},
    {"Taxon": "French",     "Segments": [39, -1, 23, 19, 4, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [39, 47, 12, -1, 4, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [39, 47, 5, 15, -1, -1, -1]}
  ]
},
{
  "Name": "Tail-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [39, 52, 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, 52, 21, 9]},
    {"Taxon": "Portuguese", "Segments": [39, 52, 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": [55, 25, 21, 24]}
  ]
},
{
  "Name": "Feather-Primary", "Data": [
    {"Taxon": "Latin",      "Segments": [34, 14, 61, 2, 5]},
    {"Taxon": "French",     "Segments": [34, 14, 63, 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]},
  ]
}
```

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```

    {"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": [
    {"Taxon": "Latin",          "Segments": [34, -1, 3, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [34, 47, 5, 14, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [34, -1, 6, 14, 17, -1]},
    {"Taxon": "Italian",        "Segments": [34, -1, 6, 14, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 6, 14, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [34, -1, 31, 14, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [34, -1, 12, 14, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [34, -1, 1, 14, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [34, -1, 24, 8, -1, -1]}
  ]},
  {"Name": "Hair-Capillus", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 5, 34, 3, 14, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [36, 24, 51, 73, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [39, 5, 7, 6, -1, 68, 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, 58, 6, -1, 14, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [39, 24, 7, 12, -1, 18, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [69, -1, 51, 12, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [55, 5, 51, 6, 14, -1, -1, -1]}
  ]},
  {"Name": "Head-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 5, 34, 3, -1, 26, 3, 5]},
    {"Taxon": "Spanish",        "Segments": [39, 5, 58, 6, -1, 44, -1, 5]},
    {"Taxon": "Italian",        "Segments": [39, 5, 51, 6, 26, 40, -1, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, 5, 7, 6, -1, 33, -1, 9]},
    {"Taxon": "Portuguese",     "Segments": [39, 9, 58, 6, -1, 33, -1, 9]},
    {"Taxon": "Catalan",        "Segments": [39, 5, 34, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [55, 5, 51, 12, -1, 30, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [39, 5, 34, -1, -1, -1, -1, -1]}
  ]},
  {"Name": "Head-Capitium", "Data": [
    {"Taxon": "Latin",          "Segments": [39, 5, 34, 3, 26, 3, 13, 2]},
    {"Taxon": "French",         "Segments": [36, 24, 51, 12, -1, -1, -1, -1]}
  ]},
  {"Name": "Head-Testa", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 6, 33, 26, 5]},
    {"Taxon": "French",         "Segments": [26, 12, -1, 26, -1]},
    {"Taxon": "Italian",        "Segments": [26, 12, 33, 26, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 12, 33, 26, 9]},
    {"Taxon": "Portuguese",     "Segments": [26, 12, 36, 26, 9]},
    {"Taxon": "Catalan",        "Segments": [26, 6, 33, 26, 24]},
    {"Taxon": "Walloon",        "Segments": [30, 12, 33, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [26, 12, 33, 26, 6]},
    {"Taxon": "Romanian",       "Segments": [40, 74, 33, 26, 24]}
  ]},
  {"Name": "Ear-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [52, 15, 3, -1, 39, 13, 14, 5]},
    {"Taxon": "French",         "Segments": [23, 19, 45, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [17, 8, 6, -1, 16, -1, -1, 5]},
    {"Taxon": "Italian",        "Segments": [17, 15, 6, 39, 39, -1, 10, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [17, 8, 6, -1, -1, -1, 18, 9]},
    {"Taxon": "Portuguese",     "Segments": [17, 8, 46, -1, -1, -1, 18, 9]},
    {"Taxon": "Catalan",        "Segments": [13, 8, 12, -1, -1, -1, 18, 24]},
    {"Taxon": "Walloon",        "Segments": [23, 75, 76, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [17, 15, 1, -1, -1, -1, 14, 6]},
  ]}

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Romanian",
  "Segments": [13, 15, 6, -1, 39, -1, -1, 6]}
}],
{
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    {
      "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": [51, 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, 5, 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",
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  ]
},
{
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      "Segments": [7, 13, 39, 39, 5]},
    {
      "Taxon": "French",
      "Segments": [7, 13, -1, 36, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [7, 17, -1, 39, 5]},
    {
      "Taxon": "Italian",
      "Segments": [7, 17, 39, 39, 5]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [7, 17, -1, 39, 9]},
    {
      "Taxon": "Portuguese",
      "Segments": [7, 17, -1, 39, 9]},
    {
      "Taxon": "Catalan",
      "Segments": [7, 17, -1, 39, 24]},
    {
      "Taxon": "Walloon",
      "Segments": [7, 23, -1, 39, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [7, 23, -1, 55, 12]},
    {
      "Taxon": "Romanian",
      "Segments": [7, 13, -1, 39, 24]}
  ]
},
{
  "Name": "Mouth-Gula", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [64, 13, 14, 5]},
    {
      "Taxon": "French",
      "Segments": [64, 11, 14, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [64, 17, 14, 5]},
    {
      "Taxon": "Italian",
      "Segments": [64, 17, 14, 5]},
    {
      "Taxon": "Catalan",
      "Segments": [64, 17, 14, 24]},
    {
      "Taxon": "Walloon",
      "Segments": [64, 11, 10, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [64, 23, 14, 6]},
    {
      "Taxon": "Romanian",
      "Segments": [64, 13, 8, 24]}
  ]
},
{
  "Name": "Tooth-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [21, -1, 6, 4, 26, 6, 2]},
    {
      "Taxon": "French",
      "Segments": [21, -1, 27, -1, -1, -1, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [21, 10, 6, 4, 26, 6, -1]},
    {
      "Taxon": "Italian",
      "Segments": [21, -1, 12, 4, 26, 6, -1]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [21, -1, 57, -1, 30, 3, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [21, -1, 57, -1, 26, 31, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [21, -1, 53, -1, -1, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [21, -1, 3, 4, 26, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Romanian",          "Segments": [21, -1, 3, 4, 26, 6, -1]}
  ]},
  {"Name": "Fingernail-Primary", "Data": [
    {"Taxon": "Latin",            "Segments": [13, 4, 64, -1, 13, 14, 5]},
    {"Taxon": "French",           "Segments": [48, -1, 64, -1, -1, 14, -1]},
    {"Taxon": "Spanish",          "Segments": [13, 22, -1, -1, -1, -1, 5]},
    {"Taxon": "Italian",          "Segments": [13, 4, 64, -1, -1, 10, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 22, -1, -1, -1, -1, 9]},
    {"Taxon": "Portuguese",        "Segments": [13, 22, -1, -1, -1, -1, 9]},
    {"Taxon": "Walloon",           "Segments": [48, -1, 64, -1, -1, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [23, 4, 64, -1, 13, 14, 6]},
    {"Taxon": "Romanian",          "Segments": [13, 4, 64, 10, -1, -1, 6]}
  ]},
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    {"Taxon": "Latin",            "Segments": [34, -1, 6, -1, 21, 6, 2]},
    {"Taxon": "French",           "Segments": [34, 10, 6, -1, -1, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [34, 10, 6, -1, -1, -1, -1]},
    {"Taxon": "Italian",          "Segments": [34, 10, 12, -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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    {"Taxon": "French",           "Segments": [79, 27, -1, 7, -1]},
    {"Taxon": "Spanish",          "Segments": [64, 5, 2, 7, 5]},
    {"Taxon": "Italian",          "Segments": [64, 5, 2, 7, 5]},
    {"Taxon": "Catalan",          "Segments": [39, 5, 2, 7, 24]},
    {"Taxon": "Walloon",           "Segments": [69, 27, -1, 34, -1]},
    {"Taxon": "Friulian",          "Segments": [80, 5, 2, 7, 6]},
    {"Taxon": "Romanian",          "Segments": [64, 5, 2, 7, 24]}
  ]},
  {"Name": "Leg-Perna", "Data": [
    {"Taxon": "Latin",            "Segments": [34, -1, 6, 15, 4, 5]},
    {"Taxon": "Spanish",          "Segments": [34, 10, 6, 8, 4, 5]},
    {"Taxon": "Italian",          "Segments": [34, -1, 12, 15, 4, 17]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 12, 19, 4, 9]},
    {"Taxon": "Portuguese",        "Segments": [34, -1, 12, 8, 4, 9]},
    {"Taxon": "Catalan",          "Segments": [34, -1, 12, 15, 4, 24]}
  ]},
  {"Name": "Leg-Petiolus", "Data": [
    {"Taxon": "Latin",            "Segments": [34, 6, -1, 26, 3, 17, 14, 13, 33]},
    {"Taxon": "Spanish",          "Segments": [34, 6, -1, 44, 3, 17, 14, 17, -1]},
    {"Taxon": "Italian",          "Segments": [34, 3, 26, 30, -1, 23, 14, 17, -1]},
    {"Taxon": "Friulian",          "Segments": [34, 12, -1, 39, -1, 23, 14, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [34, 3, -1, 30, 10, 17, 15, -1, -1]}
  ]},
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    {"Taxon": "French",           "Segments": [79, -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": [69, -1, 3, 4, 23, 39, 39, -1, 10, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [79, 13, 6, -1, -1, -1, -1, -1, -1, 18, 13, -1]},
    {"Taxon": "Portuguese",        "Segments": [79, 47, 9, -1, -1, -1, -1, -1, -1, 18, 13, -1]},
    {"Taxon": "Catalan",          "Segments": [79, -1, 24, 4, 17, -1, -1, -1, -1, 18, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [22, -1, -1, 22, 23, -1, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [69, -1, 6, 4, 17, -1, -1, -1, 14, 3, -1]},
    {"Taxon": "Romanian",          "Segments": [69, -1, 6, 4, 13, 4, 77, -1, -1, -1, -1]}
  ]}

```

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```
}},
{"Name": "Hand-Primary", "Data": [
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  {"Taxon": "French", "Segments": [2, 53, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [2, 5, 4, 17, -1]},
  {"Taxon": "Italian", "Segments": [2, 5, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 54, -1, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [2, 54, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [2, 53, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [2, 5, 4, -1, -1]},
  {"Taxon": "Romanian", "Segments": [2, 31, 4, 24, -1]}
]},
{"Name": "Wing-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [41, 14, 5]},
  {"Taxon": "French", "Segments": [6, 14, -1]},
  {"Taxon": "Spanish", "Segments": [5, 14, 5]},
  {"Taxon": "Italian", "Segments": [5, 14, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [5, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [5, -1, -1]},
  {"Taxon": "Catalan", "Segments": [5, 14, 24]},
  {"Taxon": "Walloon", "Segments": [6, 14, -1]},
  {"Taxon": "Friulian", "Segments": [5, 14, 6]}
]},
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  {"Taxon": "Latin", "Segments": [47, -1, 6, 4, 26, 15, 6, 2]},
  {"Taxon": "French", "Segments": [51, -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": [51, -1, 53, -1, 26, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [51, -1, 3, 4, 26, 15, 3, -1]},
  {"Taxon": "Romanian", "Segments": [51, -1, 3, 4, 26, 15, 6, -1]}
]},
{"Name": "Belly-Pantex", "Data": [
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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]}
]},
{"Name": "Guts-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [3, 4, 26, 6, 15, 41, 4, 6, 5]},
  {"Taxon": "French", "Segments": [27, -1, 26, -1, 19, 60, -1, 10, -1]},
  {"Taxon": "Spanish", "Segments": [6, 4, 26, -1, 8, 5, 22, -1, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 26, -1, 8, 29, 22, -1, 9]},
  {"Taxon": "Portuguese", "Segments": [57, -1, 26, -1, 8, 9, 22, -1, 9]},
  {"Taxon": "Catalan", "Segments": [24, 4, 26, -1, 8, 5, 22, -1, 24]}
]},
{"Name": "Neck-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [39, -1, 17, 14, 14, 13, 2]},
  {"Taxon": "French", "Segments": [39, -1, 13, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [39, 47, 6, -1, 68, 17, -1]},
  {"Taxon": "Italian", "Segments": [39, -1, 23, 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]}
```

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```

    {"Taxon": "Friulian",          "Segments": [39, 47, 12, -1, 14, -1, -1]}
  ]},
  {"Name": "Back-Primary", "Data": [
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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, 12, -1, 33, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [21, -1, 17, -1, -1, -1, -1]}
  ]},
  {"Name": "Back-Spatula", "Data": [
    {"Taxon": "Latin",          "Segments": [-1, 33, 34, 5, 26, 13, 14, 5]},
    {"Taxon": "French",         "Segments": [6, -1, 34, 17, -1, -1, 14, -1]},
    {"Taxon": "Spanish",        "Segments": [6, 33, 34, 5, 14, -1, 21, 5]},
    {"Taxon": "Italian",        "Segments": [-1, 33, 34, 5, 14, -1, 14, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, 36, 34, 5, 21, 47, -1, 9]},
    {"Taxon": "Portuguese",     "Segments": [3, 36, 34, 5, 21, 47, -1, 9]},
    {"Taxon": "Catalan",        "Segments": [24, 33, 34, 5, 18, -1, 18, 24]},
    {"Taxon": "Walloon",        "Segments": [-1, 33, 34, 5, -1, -1, 14, -1]},
    {"Taxon": "Friulian",       "Segments": [-1, 33, 34, 5, -1, -1, 14, 6]},
    {"Taxon": "Romanian",       "Segments": [-1, 33, 34, 5, 26, -1, -1, 6]}
  ]},
  {"Name": "Breast-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [33, 3, 4, 13, 33]},
    {"Taxon": "French",         "Segments": [33, 53, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [33, 6, 4, 17, -1]},
    {"Taxon": "Italian",        "Segments": [33, 6, 4, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 45, -1, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 46, -1, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 3, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [33, 12, 4, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [33, 5, 4, -1, -1]}
  ]},
  {"Name": "Breast-Pectus", "Data": [
    {"Taxon": "Latin",          "Segments": [34, -1, 6, 39, 26, 13, 33]},
    {"Taxon": "French",         "Segments": [34, -1, 3, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [34, -1, 6, -1, 30, 17, -1]},
    {"Taxon": "Italian",        "Segments": [34, -1, 12, 26, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 45, -1, 26, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [34, -1, 46, -1, 26, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [34, -1, 3, -1, 26, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [34, -1, 12, -1, 26, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [34, 10, 6, 34, 26, -1, -1]}
  ]},
  {"Name": "Breast-Pectorina", "Data": [
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    {"Taxon": "Walloon",        "Segments": [34, 47, 12, 26, 15, 3, 4]}
  ]},
  {"Name": "Heart-Primary", "Data": [
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    {"Taxon": "French",         "Segments": [39, -1, 11, 19, -1]},
    {"Taxon": "Italian",        "Segments": [39, 47, 23, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 23, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [39, -1, 17, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [39, -1, 23, 15, -1]},
    {"Taxon": "Walloon",        "Segments": [39, -1, 13, 15, -1]},
    {"Taxon": "Friulian",       "Segments": [39, -1, 61, 15, -1]}
  ]},
  {"Name": "Heart-Anima", "Data": [
    {"Taxon": "Latin",          "Segments": [5, 4, 3, 2, 5]},

```


Appendix 1 - Tongue Twister Configuration

```

{"Taxon": "French",           "Segments": [60, -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": [60, -1, -1, 2, -1]},
{"Taxon": "Romanian",         "Segments": [3, 4, 3, 2, 24]}
}],
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  {"Taxon": "Latin",           "Segments": [0, -1, 20, 39, 41, 26, 13, 2]},
  {"Taxon": "French",          "Segments": [0, 47, 5, -1, -1, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [-1, -1, 3, 81, 5, 37, 17, -1]},
  {"Taxon": "Italian",         "Segments": [0, -1, 6, 64, 5, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [0, -1, 3, 64, 9, 21, 13, -1]},
  {"Taxon": "Portuguese",      "Segments": [0, -1, 3, 81, 9, 37, 13, -1]},
  {"Taxon": "Catalan",         "Segments": [0, -1, 6, 69, 24, -1, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [0, -1, 11, -1, -1, 26, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [0, -1, 3, -1, 41, 26, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [0, -1, 3, 39, 5, 26, -1, -1]}
]},
{"Name": "Sun-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [33, 38, 14, 6, 2]},
  {"Taxon": "Spanish",         "Segments": [33, 17, 14, -1, -1]},
  {"Taxon": "Italian",         "Segments": [33, 17, 14, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 23, 47, -1, -1]},
  {"Taxon": "Portuguese",      "Segments": [33, 23, 59, -1, -1]},
  {"Taxon": "Catalan",         "Segments": [33, 23, 14, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [33, 25, 8, 6, -1]}
]},
{"Name": "Sun-Soliculus", "Data": [
  {"Taxon": "Latin",           "Segments": [33, 38, 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": [
  {"Taxon": "Latin",           "Segments": [14, 61, 4, 5]},
  {"Taxon": "French",          "Segments": [14, 63, 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, 68, 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, 82, -1, 5]},

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{"Taxon": "French", "Segments": [17, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [5, -1, 81, 47, 5]},
{"Taxon": "Italian", "Segments": [5, 39, 39, 47, 5]},
{"Taxon": "PortugueseBrazil", "Segments": [5, -1, 64, 47, 9]},
{"Taxon": "Portuguese", "Segments": [5, -1, 64, 47, 9]},
{"Taxon": "Catalan", "Segments": [43, -1, 81, 47, 24]},
{"Taxon": "Walloon", "Segments": [12, -1, -1, 47, -1]},
{"Taxon": "Friulian", "Segments": [5, -1, 64, -1, 6]},
{"Taxon": "Romanian", "Segments": [5, -1, 34, -1, 24]}
}],
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{"Taxon": "Latin", "Segments": [34, 14, 13, -1, 47, 3, 5]},
{"Taxon": "French", "Segments": [34, 14, 62, -1, -1, 3, -1]},
{"Taxon": "Spanish", "Segments": [68, -1, 13, -1, 7, 10, 5]},
{"Taxon": "Italian", "Segments": [34, 10, 23, 21, 69, -1, 5]},
{"Taxon": "PortugueseBrazil", "Segments": [36, -1, 13, -1, 51, -1, 9]},
{"Taxon": "Portuguese", "Segments": [36, -1, 13, -1, 51, -1, 9]},
{"Taxon": "Catalan", "Segments": [34, 14, 13, -1, 79, -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, 61, 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]}
}],
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{"Taxon": "Latin", "Segments": [15, 20, 47, 13, 33]},
{"Taxon": "French", "Segments": [19, 63, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [15, 3, -1, 17, -1]},
{"Taxon": "Italian", "Segments": [15, 3, -1, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [19, 3, -1, 47, -1]},
{"Taxon": "Portuguese", "Segments": [19, 3, -1, 13, -1]},
{"Taxon": "Catalan", "Segments": [15, 3, -1, 47, -1]},
{"Taxon": "Walloon", "Segments": [15, 12, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [15, 3, -1, 13, -1]},
{"Taxon": "Romanian", "Segments": [15, 31, -1, 47, -1]}
}],
{"Name": "River-Riparia", "Data": [
{"Taxon": "Latin", "Segments": [15, 20, 34, -1, 41, 15, 3, 5]},
{"Taxon": "French", "Segments": [19, 3, 51, 10, 12, 19, -1, -1]},
{"Taxon": "Walloon", "Segments": [15, 3, 51, 20, -1, 15, -1, -1]}
}],
{"Name": "Lake-Primary", "Data": [
{"Taxon": "Latin", "Segments": [14, 5, 39, 13, 33]},
{"Taxon": "Spanish", "Segments": [14, 5, 64, 17, -1]},
{"Taxon": "Italian", "Segments": [14, 5, 64, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [14, 5, 64, 13, -1]},
{"Taxon": "Portuguese", "Segments": [14, 5, 81, 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]}
]
```

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```
{
  "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]}
}],
{
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    {"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]}
  ]
},
{
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    {"Taxon": "Italian",    "Segments": [33, 5, 33, 33, 17, -1]},
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    {"Taxon": "Portuguese", "Segments": [33, 46, -1, 36, 13, -1]},
    {"Taxon": "Friulian",   "Segments": [33, 5, -1, 33, -1, -1]}
  ]
},
{
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    {"Taxon": "French",     "Segments": [34, 10, 12, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [34, 10, 6, 37, 8, 5]},
    {"Taxon": "Italian",    "Segments": [34, 10, 12, 26, 15, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 6, 21, 8, 9]},
    {"Taxon": "Portuguese", "Segments": [34, -1, 12, 37, 8, 9]},
    {"Taxon": "Catalan",    "Segments": [34, -1, 6, 37, 8, 24]},
    {"Taxon": "Walloon",    "Segments": [34, -1, 3, -1, 15, -1]},
    {"Taxon": "Friulian",   "Segments": [34, 10, 6, -1, 15, 6]},
    {"Taxon": "Romanian",   "Segments": [34, 10, 5, 26, 8, 24]}
  ]
},
{
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    {"Taxon": "Spanish",    "Segments": [14, 5, 13, -1, 21, 6, -1]}
  ]
},
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    {"Taxon": "Spanish",    "Segments": [-1, 5, 8, 6, 4, 5]},
    {"Taxon": "Italian",    "Segments": [-1, -1, 15, 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": "Friulian",   "Segments": [-1, -1, 15, 12, 4, 6]},
    {"Taxon": "Romanian",   "Segments": [-1, 5, 15, 3, 4, 24]}
  ]
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{
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    {"Taxon": "PortugueseBrazil", "Segments": [33, 43, 58, -1, 8, 13, -1]},
    {"Taxon": "Portuguese",    "Segments": [33, 43, 58, -1, 8, 13, -1]},
    {"Taxon": "Catalan",      "Segments": [33, 17, -1, -1, 15, 24, -1]}
  ]
},
{
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```

{"Taxon": "Latin",           "Segments": [33, 5, -1, 7, 13, 14, 38, 4, 6, 2]},
{"Taxon": "French",          "Segments": [33, 60, -1, 7, -1, 14, -1, -1, -1, -1]},
{"Taxon": "Italian",         "Segments": [33, 5, 7, 7, -1, 10, 17, 4, 6, -1]},
{"Taxon": "Walloon",         "Segments": [33, 60, -1, 51, -1, 10, 48, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [33, 5, -1, 51, 5, 14, 23, 4, -1, -1]}
}],
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  {"Taxon": "French",          "Segments": [34, 13, 21, -1, -1, 19, -1, -1]},
  {"Taxon": "Italian",         "Segments": [34, 17, 14, 51, 6, 15, 6, -1]},
  {"Taxon": "Friulian",        "Segments": [34, 23, 14, 51, 5, 15, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [34, 13, 14, 7, 6, 15, 6, -1]}
]},
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  {"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": [
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  {"Taxon": "French",          "Segments": [26, -1, 12, -1, 19, -1]},
  {"Taxon": "Spanish",         "Segments": [26, 10, 6, -1, 15, 5]},
  {"Taxon": "Italian",         "Segments": [26, -1, 12, 15, 15, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, -1, 6, -1, 19, 9]},
  {"Taxon": "Portuguese",      "Segments": [26, -1, 12, -1, 19, 9]},
  {"Taxon": "Catalan",         "Segments": [26, -1, 12, -1, 15, 24]},
  {"Taxon": "Walloon",         "Segments": [26, -1, 6, -1, 15, -1]},
  {"Taxon": "Friulian",        "Segments": [26, 10, 12, -1, 15, 6]},
  {"Taxon": "Romanian",        "Segments": [40, -1, 5, -1, 15, 24]}
]},
{"Name": "Cloud-Primary", "Data": [
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  {"Taxon": "French",          "Segments": [4, 63, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [4, 13, 7, 6, -1]},
  {"Taxon": "Italian",         "Segments": [4, 13, 7, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 13, 51, 32, -1]},
  {"Taxon": "Portuguese",      "Segments": [4, 13, 51, 42, -1]}
]},
{"Name": "Cloud-Nubilus", "Data": [
  {"Taxon": "Latin",           "Segments": [4, 61, 7, 3, 14, 13, 33]},
  {"Taxon": "Spanish",         "Segments": [4, 13, 7, -1, 14, 17, -1]},
  {"Taxon": "Italian",         "Segments": [4, 13, 51, 17, 14, 5, -1]},
  {"Taxon": "Catalan",         "Segments": [4, 13, 51, 17, 14, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [4, 61, -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, 64, 3, 4, 6, 2]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 5, 14, 3, 79, 32, -1, -1, -1]},
  {"Taxon": "Portuguese",      "Segments": [39, 9, 14, 3, 79, 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, 51, 47, -1, 9]},
  {"Taxon": "Portuguese",      "Segments": [4, -1, 12, -1, 51, 47, -1, 9]},
  {"Taxon": "Catalan",         "Segments": [4, -1, 6, -1, -1, 47, 14, 24]},
  {"Taxon": "Walloon",         "Segments": [4, 10, 63, -1, -1, -1, 14, -1]}
]
```

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```

    {"Taxon": "Romanian",          "Segments": [4, -1, 6, -1, 64, 13, 15, 24]}
  ]},
  {"Name": "Fog-Tenebras", "Data": [
    {"Taxon": "Latin",            "Segments": [26, -1, 6, 4, -1, 1, 7, 15, 41, 33]},
    {"Taxon": "Spanish",          "Segments": [26, -1, 3, 4, 10, 6, 7, 14, 5, 33]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 8, -1, -1, -1, 12, 51, -1, 9, 33]},
    {"Taxon": "Portuguese",        "Segments": [26, 8, -1, -1, -1, 12, 51, -1, 9, 36]},
    {"Taxon": "Catalan",          "Segments": [26, -1, 24, 4, -1, 6, 7, 8, 24, 33]}
  ]},
  {"Name": "Fog-Fumata", "Data": [
    {"Taxon": "Latin",            "Segments": [0, 61, 2, 41, 26, 5]},
    {"Taxon": "French",           "Segments": [0, 63, 2, 6, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [0, 13, 2, 5, 26, 5]},
    {"Taxon": "Italian",          "Segments": [0, 13, 2, 5, 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]}
  ]},
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    {"Taxon": "Latin",            "Segments": [47, -1, 6, 4, 26, 13, 2]},
    {"Taxon": "French",           "Segments": [51, -1, 27, -1, -1, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [7, 10, 6, 4, 26, 17, -1]},
    {"Taxon": "Italian",          "Segments": [51, -1, 12, 4, 26, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 57, -1, 26, 13, -1]},
    {"Taxon": "Portuguese",        "Segments": [51, -1, 57, -1, 26, 13, -1]},
    {"Taxon": "Catalan",          "Segments": [7, -1, 6, 4, -1, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [51, -1, 53, -1, -1, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [51, -1, 3, 4, 26, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [51, -1, 31, 4, 26, -1, -1]}
  ]},
  {"Name": "Snow-Primary", "Data": [
    {"Taxon": "Latin",            "Segments": [4, -1, 3, 47, 6, 2]},
    {"Taxon": "Spanish",          "Segments": [4, 10, 6, 7, 6, -1]},
    {"Taxon": "Italian",          "Segments": [4, -1, 6, 51, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [4, -1, 12, 51, 3, -1]},
    {"Taxon": "Portuguese",        "Segments": [4, -1, 12, 51, 31, -1]},
    {"Taxon": "Catalan",          "Segments": [4, -1, 6, 47, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [4, -1, 3, 51, 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": "Latin",            "Segments": [64, 6, 14, 61]},
    {"Taxon": "French",           "Segments": [79, 12, 14, -1]},
    {"Taxon": "Spanish",          "Segments": [68, 6, 14, 17]}
  ]}

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Italian",      "Segments": [69, 12, 14, 17]},
  "Taxon": "Catalan",     "Segments": [79, 12, 59, -1]},
  "Taxon": "Romanian",    "Segments": [69, 6, 15, -1]}
}],
{
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    {"Taxon": "Catalan",     "Segments": [64, 14, 5, -1, 33, -1]},
    {"Taxon": "Walloon",     "Segments": [64, 14, 12, -1, 33, -1]},
    {"Taxon": "Friulian",    "Segments": [64, 14, 5, -1, 30, 6]},
    {"Taxon": "Romanian",    "Segments": [64, -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": [
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    {"Taxon": "French",      "Segments": [0, -1, 73, -1, -1, -1]},
    {"Taxon": "Spanish",     "Segments": [0, 47, 6, 64, 17, -1]},
    {"Taxon": "Italian",     "Segments": [0, 47, 23, 39, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, -1, 17, 64, 13, -1]},
    {"Taxon": "Portuguese",  "Segments": [0, -1, 17, 81, 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, 61, 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, 53, -1, -1, 26, -1, -1, -1]}
  ]
},
{
  "Name": "Ash-Cinisia", "Data": [
    {"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, 33, 12]},
    {"Taxon": "Romanian",    "Segments": [30, 6, 4, 13, 36, 24]}
  ]
},
{
  "Name": "Road-Primary", "Data": [
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    {"Taxon": "French",      "Segments": [51, 47, -1, 5]},
    {"Taxon": "Spanish",     "Segments": [7, -1, 3, 5]},
    {"Taxon": "Italian",     "Segments": [51, -1, 3, 5]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 3, 9]},
    {"Taxon": "Portuguese",  "Segments": [51, -1, 3, 9]},
    {"Taxon": "Catalan",     "Segments": [7, -1, 3, 24]},
    {"Taxon": "Walloon",     "Segments": [51, -1, 70, -1]},
    {"Taxon": "Friulian",    "Segments": [51, -1, 3, 6]}
  ]
},
{
  "Name": "Road-Strata", "Data": [
    {"Taxon": "Latin",       "Segments": [-1, 33, 26, 15, 41, 26, 5]}
  ]
}
```


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```

{"Taxon": "Spanish",           "Segments": [6, 33, 26, 8, 5, 21, 5]},
{"Taxon": "Italian",          "Segments": [-1, 33, 26, 15, 5, 21, 5]},
{"Taxon": "PortugueseBrazil", "Segments": [3, 33, 26, 8, 5, 21, 9]},
{"Taxon": "Portuguese",       "Segments": [3, 36, 26, 8, 5, 37, 9]},
{"Taxon": "Friulian",         "Segments": [-1, 33, 26, 15, 5, 21, 6]}
]},
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  {"Taxon": "Spanish",         "Segments": [39, 5, -1, 2, 3, 4, 17, -1]},
  {"Taxon": "Italian",         "Segments": [39, 5, 2, 2, 3, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 5, -1, 2, 28, 22, 13, -1]},
  {"Taxon": "Portuguese",      "Segments": [39, 9, -1, 2, 3, 22, 13, -1]},
  {"Taxon": "Catalan",         "Segments": [39, 24, -1, 2, 3, -1, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [30, 3, -1, 2, 53, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [55, 5, 2, 3, 4, -1, -1, -1]}
]},
{"Name": "Mountain-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [2, 17, 4, 26, 6, 2]},
  {"Taxon": "French",          "Segments": [2, 48, -1, -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, 50, -1, 30, 3, -1]},
  {"Taxon": "Portuguese",      "Segments": [2, 50, -1, 26, 31, -1]},
  {"Taxon": "Catalan",         "Segments": [2, 13, 4, -1, -1, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [2, 48, -1, -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": [
  {"Taxon": "Latin",           "Segments": [2, 17, 4, 26, 41, -1, 4, 6, 5]},
  {"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, 50, -1, 26, 29, -1, 22, -1, 9]},
  {"Taxon": "Portuguese",      "Segments": [2, 50, -1, 26, 9, -1, 22, -1, 9]},
  {"Taxon": "Catalan",         "Segments": [2, 13, 4, 26, 5, -1, 22, -1, 24]},
  {"Taxon": "Walloon",         "Segments": [2, 48, -1, 26, 5, -1, 22, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [2, 17, 4, 26, 5, -1, 22, 6, -1]}
]},
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  {"Taxon": "Latin",           "Segments": [4, -1, 17, 55, 26, 6, 2]},
  {"Taxon": "French",          "Segments": [4, 62, 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, 70, -1, 26, 31, -1]},
  {"Taxon": "Portuguese",      "Segments": [4, -1, 70, -1, 26, 31, -1]},
  {"Taxon": "Catalan",         "Segments": [4, -1, 3, -1, 26, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [4, -1, 63, -1, 26, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [22, -1, 23, -1, 26, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [4, -1, 25, 34, 26, 6, -1]}
]},
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  {"Taxon": "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]},
  {"Taxon": "Friulian",        "Segments": [21, 3, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [35, 3, -1, -1]}
]

```

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```

}},
{"Name": "Day-Diurnus", "Data": [
  {"Taxon": "Latin", "Segments": [21, 3, 13, 15, 4, 13, 2]},
  {"Taxon": "French", "Segments": [79, -1, 13, 19, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [21, 10, 13, 8, 4, 17, -1]},
  {"Taxon": "Italian", "Segments": [69, -1, 17, 15, 4, 17, -1]},
  {"Taxon": "Catalan", "Segments": [79, -1, 17, 8, 4, -1, -1]},
  {"Taxon": "Walloon", "Segments": [69, -1, 13, -1, -1, -1, -1]}
]},
{"Name": "Day-Diurna", "Data": [
  {"Taxon": "PortugueseBrazil", "Segments": [79, 23, 19, 4, 5]},
  {"Taxon": "Portuguese", "Segments": [79, 23, 19, 4, 5]}
]},
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  {"Taxon": "French", "Segments": [79, -1, 13, 19, 4, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [16, -1, 17, 8, 4, 5, 21, 5]},
  {"Taxon": "Italian", "Segments": [69, -1, 17, 15, 4, 5, 26, 5]},
  {"Taxon": "Friulian", "Segments": [69, -1, 17, 15, 4, 5, 21, 6]}
]},
{"Name": "Year-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [5, 4, 4, 13, 2]},
  {"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, 4, -1, -1]},
  {"Taxon": "Romanian", "Segments": [5, 4, -1, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [4, 48, -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, 48, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [4, 23, 4, -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": "Spanish", "Segments": [14, 6, 72, 64, 47, 5]},
  {"Taxon": "Italian", "Segments": [14, 3, 4, 64, 47, 5]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 28, -1, 64, 47, 9]},
  {"Taxon": "Portuguese", "Segments": [14, 28, -1, 64, 47, 9]},
  {"Taxon": "Catalan", "Segments": [18, 12, 72, 64, 47, 24]},
  {"Taxon": "Walloon", "Segments": [14, 53, -1, -1, 51, -1]},
  {"Taxon": "Friulian", "Segments": [14, 12, 4, 64, -1, 6]},
  {"Taxon": "Romanian", "Segments": [14, 3, 2, 7, -1, 24]}
]},
{"Name": "I-Primary", "Data": [
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```

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```

{"Taxon": "French",           "Segments": [79, 24, -1, -1]},
{"Taxon": "Spanish",          "Segments": [68, -1, -1, 17]},
{"Taxon": "Italian",           "Segments": [-1, 3, -1, 17]},
{"Taxon": "PortugueseBrazil", "Segments": [-1, 6, -1, 47]},
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{"Taxon": "Walloon",           "Segments": [69, 3, -1, -1]},
{"Taxon": "Friulian",          "Segments": [10, -1, -1, 17]},
{"Taxon": "Romanian",          "Segments": [10, 6, -1, 47]}
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{"Taxon": "French",           "Segments": [4, 13, -1, -1]},
{"Taxon": "Spanish",          "Segments": [4, 17, -1, 33]},
{"Taxon": "Italian",           "Segments": [4, 17, 3, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [4, 66, -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, 70, -1, -1]}
]},
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{"Taxon": "French",           "Segments": [51, 13, -1, -1]},
{"Taxon": "Spanish",          "Segments": [7, 17, -1, 33]},
{"Taxon": "Italian",           "Segments": [51, 17, 3, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [51, 66, 33, -1]},
{"Taxon": "Portuguese",        "Segments": [51, 17, -1, 36]},
{"Taxon": "Catalan",           "Segments": [7, 13, -1, 33]},
{"Taxon": "Walloon",           "Segments": [51, 17, -1, -1]},
{"Taxon": "Friulian",          "Segments": [51, 38, -1, -1]},
{"Taxon": "Romanian",          "Segments": [51, 70, -1, -1]}
]},
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{"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]}
]},
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{"Taxon": "Spanish",          "Segments": [-1, 13, 33, 26, 6, 21]},
{"Taxon": "PortugueseBrazil", "Segments": [51, 17, 33, -1, 6, -1]},
{"Taxon": "Portuguese",        "Segments": [51, 23, 33, -1, 6, -1]},
{"Taxon": "Catalan",           "Segments": [51, 17, 33, 26, 6, -1]}
]},
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{"Taxon": "French",           "Segments": [7, 47, 60, -1, -1, 19, -1]},
{"Taxon": "Spanish",          "Segments": [7, -1, 6, 7, 6, 8, -1]},
{"Taxon": "Italian",           "Segments": [7, -1, 6, -1, -1, 15, 6]},
{"Taxon": "PortugueseBrazil", "Segments": [7, -1, 6, 7, 6, 19, -1]},
{"Taxon": "Portuguese",        "Segments": [7, -1, 31, 58, 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, 51, 3, -1, -1]},

```

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```
{
  "Taxon": "Romanian",
  "Segments": [7, -1, 74, -1, -1, -1, -1]}
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  {"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": [
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  {"Taxon": "French",
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  {"Taxon": "Catalan",
   "Segments": [2, 24, 22, 79, -1, -1, 5, -1, -1]},
  {"Taxon": "Walloon",
   "Segments": [2, 5, 22, -1, -1, -1, 3, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [2, 5, 4, 80, -1, -1, 41, -1, -1]},
  {"Taxon": "Romanian",
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  {"Taxon": "French",
   "Segments": [2, -1, 23, 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]},
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   "Segments": [2, 47, 5, 15, 21, 3, -1, -1]}
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  {"Taxon": "Italian",
   "Segments": [2, 17, 15, 33, 3, 39, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [2, 13, -1, 33, 24, 64, 5, -1, -1]},
  {"Taxon": "Portuguese",
   "Segments": [2, 13, -1, 33, 24, 64, 5, 15, -1]},
  {"Taxon": "Catalan",
   "Segments": [2, 13, -1, 33, 24, 81, 5, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [2, 17, 15, 33, 6, 41, -1, -1, -1]},
  {"Taxon": "Romanian",
   "Segments": [2, 13, 15, 33, 6, 39, 5, -1, -1]}
}],
{"Name": "ToSuck-Primary", "Data": [
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  {"Taxon": "Italian",
   "Segments": [33, 13, 39, 39, 10, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [36, 13, -1, 36, 5, 19, -1, -1]},
  {"Taxon": "Portuguese",
   "Segments": [36, 13, -1, 36, 5, 8, -1, -1]},
  {"Taxon": "Walloon",
   "Segments": [33, 63, -1, 33, -1, 3, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [55, 13, -1, 55, -1, 41, -1, -1]}
}],
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   "Segments": [33, 61, -1, 64, 6, 15, 6]},
  {"Taxon": "Italian",
   "Segments": [33, 13, 21, 69, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil",
   "Segments": [33, 13, -1, 64, 5, 19, -1]},
  {"Taxon": "Portuguese",
   "Segments": [33, 13, -1, 64, 5, 8, -1]},
  {"Taxon": "Romanian",
   "Segments": [33, 13, -1, 69, -1, 6, -1]}
}],
{"Name": "ToSpit-Primary", "Data": [
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  {"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": [
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Appendix 1 - Tongue Twister Configuration

```

{"Taxon": "Latin",           "Segments": [-1, 33, 34, 13, 26, 41, 15, 6]},
{"Taxon": "Spanish",        "Segments": [6, 33, 34, 13, 26, 5, 8, -1]},
{"Taxon": "Italian",        "Segments": [-1, 33, 34, 13, 26, 5, 15, 6]},
{"Taxon": "Friulian",       "Segments": [-1, 33, 34, 13, 21, 41, -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]}
}],
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  {"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": "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, 3, -1, 21, 6, 15, 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]}
}],
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  {"Taxon": "Latin",           "Segments": [47, -1, 3, 21, 1, 15, 6]},
  {"Taxon": "French",          "Segments": [51, 47, 5, -1, -1, 19, -1]},
  {"Taxon": "Spanish",         "Segments": [7, -1, -1, -1, 6, 8, -1]},
  {"Taxon": "Italian",         "Segments": [51, -1, 6, 21, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [51, -1, -1, -1, 6, 19, -1]},
  {"Taxon": "Portuguese",      "Segments": [51, -1, -1, -1, 6, 8, -1]},
  {"Taxon": "Catalan",         "Segments": [7, -1, 12, 47, -1, 8, 24]},
  {"Taxon": "Walloon",         "Segments": [51, -1, 76, -1, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [51, 10, 17, 21, 3, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [51, -1, 6, 21, 74, -1, -1]}
}],
{"Name": "ToHear-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [52, -1, 21, 20, 15, 6]},
  {"Taxon": "French",          "Segments": [13, -1, -1, 3, 19, -1]},
  {"Taxon": "Spanish",         "Segments": [17, -1, -1, 3, 8, -1]},
  {"Taxon": "Italian",         "Segments": [13, -1, 21, 3, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [17, 47, 51, 3, 19, -1]},
  {"Taxon": "Portuguese",      "Segments": [17, 47, 51, 3, 8, -1]},
  {"Taxon": "Catalan",         "Segments": [13, -1, -1, 3, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [66, -1, 3, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [13, 14, 21, 20, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [52, -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]}
]
],

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToKnow-Sapere", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [33, 5, 34, -1, 6, 15, 6]},
    {
      "Taxon": "French",
      "Segments": [33, 5, 51, 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, 58, -1, 12, -1, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [33, 5, 51, -1, 73, 15, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [33, 5, 51, -1, 1, -1, -1]}
  ]
},
{
  "Name": "ToKnow-Cognoscere", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, 17, 64, 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, 23, 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, 64, 3, 26, 41, 15, 6]},
    {
      "Taxon": "French",
      "Segments": [39, 62, -1, -1, 3, 21, 6, -1, -1]},
    {
      "Taxon": "Spanish",
      "Segments": [39, 47, -1, -1, 3, 21, 5, 8, -1]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [39, -1, 13, 79, 3, 26, 5, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [39, -1, 13, 79, 3, 26, 5, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [39, -1, 13, -1, 10, 21, 5, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [39, -1, 13, 69, 6, 26, 5, -1, -1]}
  ]
},
{
  "Name": "ToThink-Pensare", "Data": [
    {
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      "Segments": [34, 6, 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, 15, 6]},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [34, 57, -1, 33, 5, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [34, 57, -1, 33, 5, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [34, 24, 4, 33, 5, -1, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [34, 53, -1, 33, 6, -1, -1]},
    {
      "Taxon": "Friulian",
      "Segments": [34, 6, 4, 33, 41, -1, -1]},
    {
      "Taxon": "Romanian",
      "Segments": [34, 24, -1, 33, 5, -1, -1]}
  ]
},
{
  "Name": "ToSmell-Sentire", "Data": [
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      "Segments": [33, 6, 4, 26, 20, 15, 6]},
    {
      "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, 57, -1, 30, 3, 19, -1]},
    {
      "Taxon": "Portuguese",
      "Segments": [33, 57, -1, 26, 3, 8, -1]},
    {
      "Taxon": "Catalan",
      "Segments": [33, 24, 4, 26, 3, -1, -1]},
    {
      "Taxon": "Walloon",
      "Segments": [33, 53, -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]}
  ]
},
{
  "Name": "ToSmell-Olere", "Data": [
    {
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      "Segments": [-1, 17, 14, 1, 15, 6]},
    {
      "Taxon": "Spanish",
      "Segments": [-1, 17, 14, 6, 8, -1]},
    {
      "Taxon": "Italian",
      "Segments": [-1, 17, 14, 3, 15, 6]},
    {
      "Taxon": "Catalan",
      "Segments": [-1, 13, 14, 13, 8, 5]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Friulian",          "Segments": [4, 13, 14, 20, -1, -1]}
  ]},
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    {"Taxon": "Latin",          "Segments": [0, 15, 41, 64, 15, 41, 15, 6]}},
    {"Taxon": "French",         "Segments": [0, 14, 6, -1, 19, 6, -1, -1]}},
    {"Taxon": "Italian",        "Segments": [0, 15, 5, 64, 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]}
  ]},
  {"Name": "ToFear-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 3, 2, 1, 15, 6]}},
    {"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, 6, -1, -1]}},
    {"Taxon": "Romanian",       "Segments": [26, 6, 2, 6, -1, -1]}
  ]},
  {"Name": "ToFear-Tremere", "Data": [
    {"Taxon": "Latin",          "Segments": [26, 15, 6, 2, -1, 6, 15, 6]}},
    {"Taxon": "French",         "Segments": [39, 19, 53, -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": [
    {"Taxon": "Latin",          "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]}
  ]},
  {"Name": "ToLive-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [47, 20, 47, 6, 15, 6]}},
    {"Taxon": "French",         "Segments": [51, 3, 51, -1, 19, -1]}},
    {"Taxon": "Spanish",        "Segments": [7, 3, 7, 3, 8, -1]}},
    {"Taxon": "Italian",        "Segments": [51, 3, 51, 6, 15, 6]}},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 3, 51, 6, 19, -1]}},
    {"Taxon": "Portuguese",     "Segments": [51, 3, 51, 6, 8, -1]}},
    {"Taxon": "Catalan",        "Segments": [7, 3, 47, -1, 8, 24]}},
    {"Taxon": "Friulian",       "Segments": [51, 3, 51, 3, -1, -1]}},
    {"Taxon": "Romanian",       "Segments": [51, 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]}},

```

Appendix 1 - Tongue Twister Configuration

```
{
  "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, 64, 5, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [4, -1, 6, -1, 41, -1, -1]},
  {"Taxon": "Romanian",
   "Segments": [4, -1, 6, 39, 5, -1, -1]}
}],
{"Name": "ToKill-Adnecare", "Data": [
  {"Taxon": "Spanish",
   "Segments": [5, -1, 4, 6, 64, 5, 8, -1]},
  {"Taxon": "Italian",
   "Segments": [5, 4, 4, 6, 64, 5, 15, 6]},
  {"Taxon": "Friulian",
   "Segments": [3, 4, 4, -1, 6, -1, 41, -1]}
}],
{"Name": "ToKill-Tutari", "Data": [
  {"Taxon": "Latin",
   "Segments": [26, 61, -1, 26, 41, 15, 3]},
  {"Taxon": "French",
   "Segments": [26, 62, -1, -1, 6, -1, -1]},
  {"Taxon": "Walloon",
   "Segments": [26, 13, 47, -1, 6, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [26, 13, -1, 21, 41, -1, -1]}
}],
{"Name": "ToKill-Mactare", "Data": [
  {"Taxon": "Latin",
   "Segments": [2, 5, 39, 26, 41, 15, 6]},
  {"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, 15, 6]},
  {"Taxon": "Catalan",
   "Segments": [13, 39, 33, 3, -1, -1, -1, -1]},
  {"Taxon": "Romanian",
   "Segments": [13, -1, 30, 3, 21, 6, -1, -1]}
}],
{"Name": "ToFight-Primary", "Data": [
  {"Taxon": "Latin",
   "Segments": [34, 13, 64, 4, 41, 15, 6]},
  {"Taxon": "Spanish",
   "Segments": [34, 13, -1, 22, 5, 8, -1]},
  {"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": [
  {"Taxon": "Latin",
   "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": [30, 12, -1, 33, -1, 3, -1, -1]}
]}
```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Friulian",          "Segments": [55, 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": "PortugueseBrazil", "Segments": [34, 13, -1, 36, 5, 19, -1]},
    {"Taxon": "Portuguese",       "Segments": [34, 13, -1, 36, 5, 8, -1]},
    {"Taxon": "Friulian",         "Segments": [34, 13, 14, 33, 41, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [34, 13, 14, 33, 5, -1, -1]}
  ]},
  {"Name": "ToCut-Primary", "Data": [
    {"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, 64, 5, 8, -1]},
    {"Taxon": "Italian",          "Segments": [33, -1, 6, 64, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, 64, 5, 19, -1]},
    {"Taxon": "Portuguese",       "Segments": [33, -1, 31, 81, 5, 8, -1]},
    {"Taxon": "Catalan",          "Segments": [33, -1, 24, 81, 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": "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, 5, -1, 14, 3, 41, 15, 6]},
    {"Taxon": "French",           "Segments": [26, 60, 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, 5, 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": "PortugueseBrazil", "Segments": [69, 3, 51, 3, 69, 3, 19, -1]},
    {"Taxon": "Portuguese",       "Segments": [21, 3, 51, 3, 37, 3, 8, -1]},
    {"Taxon": "Catalan",          "Segments": [21, 3, 7, 3, 21, 3, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [21, 3, 51, 3, 21, 6, -1, -1]}
  ]},
  {"Name": "ToSplit-Findere", "Data": [
    {"Taxon": "Latin",            "Segments": [0, 3, 4, 21, 6, 15, 6]},
    {"Taxon": "French",           "Segments": [0, 27, -1, 21, -1, 19, -1]},
    {"Taxon": "Spanish",          "Segments": [-1, 6, 4, 21, 6, 8, -1]},
    {"Taxon": "Italian",          "Segments": [0, 12, 4, 21, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 57, -1, 21, 6, 19, -1]},
    {"Taxon": "Portuguese",       "Segments": [0, 57, -1, 21, 6, 8, -1]},
    {"Taxon": "Catalan",          "Segments": [0, 12, 4, 21, -1, 8, 24]}
  ]}

```

Appendix 1 - Tongue Twister Configuration

```

    {"Taxon": "Walloon",          "Segments": [0, 53, -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": "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, 60, 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, 51, -1, -1, -1, 19, 6]},
    {"Taxon": "Spanish",        "Segments": [33, 6, 34, 5, 8, 5, 8, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 6, 34, 5, 8, 5, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, 31, 34, 9, 8, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [33, 24, 34, 24, 8, 5, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [33, 6, 34, 5, 15, 5, -1, -1]}
  ]},
  {"Name": "ToStab-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [34, -1, 13, 4, 64, 6, 15, 6]},
    {"Taxon": "French",         "Segments": [34, 47, 53, -1, 21, -1, 19, -1]},
    {"Taxon": "Italian",        "Segments": [34, -1, 13, 4, 69, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [34, -1, 83, -1, 79, 3, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [34, -1, 83, -1, 79, 3, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [34, -1, 13, 22, -1, 3, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [34, 48, -1, 21, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [34, -1, 23, 4, 69, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [34, -1, 13, 4, 69, 6, -1, -1]}
  ]},
  {"Name": "ToScratch-Primary", "Data": [
    {"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, 60, 35, 6, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [15, 5, 33, 5, 8, -1]},
    {"Taxon": "Italian",        "Segments": [15, 5, 33, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 5, 35, 5, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [19, 9, 35, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [15, 24, 35, 5, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [15, 5, 33, 41, -1, -1]}
  ]},
  {"Name": "ToScratch-Rasicare", "Data": [
    {"Taxon": "Spanish",        "Segments": [15, 5, 33, 39, 5, 8]},
    {"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": [
    {"Taxon": "PortugueseBrazil", "Segments": [39, 17, 33, 5, 84]},
    {"Taxon": "Portuguese",       "Segments": [39, 13, 33, 5, 8]}
  ]},
  ]},

```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToDig-Primary", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [0, -1, 17, 21, 6, 15, 6]}},
    {
      "Taxon": "French",
      "Segments": [0, 47, 3, -1, -1, 19, -1]}},
  ],
  "Name": "ToDig-Cavare", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [39, 5, 47, 41, 15, 6]}},
    {
      "Taxon": "Spanish",
      "Segments": [39, 5, 7, 5, 8, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [39, 5, 51, 5, 15, 6]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [39, 9, 51, 5, 19, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [39, 9, 51, 5, 8, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [39, 24, 7, 5, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [30, 5, 51, 6, -1, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [80, 5, 51, 41, -1, -1]}},
  ],
  "Name": "ToDig-Excavare", "Data": [
    {
      "Taxon": "Latin",
      "Segments": [6, 39, 33, 39, 5, 47, 41, 15, 6]}},
    {
      "Taxon": "Spanish",
      "Segments": [6, -1, 33, 39, 5, 7, 5, 8, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [-1, -1, 33, 39, 5, 51, 5, 15, 6]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [3, -1, 36, 39, 9, 51, 5, 19, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [3, -1, 36, 39, 9, 51, 5, 8, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [-1, -1, 33, 80, 5, 51, 41, -1, -1]}},
  ],
  "Name": "ToSwim-Primary", "Data": [
    {
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      "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, 15, 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-Navigate", "Data": [
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      "Segments": [4, 5, 51, 3, 64, 41, 15, 6]}},
    {
      "Taxon": "French",
      "Segments": [4, 5, -1, -1, 79, 6, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [4, 5, 7, 6, 64, 5, 8, -1]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [4, 5, 51, 31, 81, 5, 19, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [4, 9, 51, 31, 81, 5, 8, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [4, 24, 7, 24, 64, 5, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [4, 23, -1, -1, 10, 3, -1, -1]}},
    {
      "Taxon": "Friulian",
      "Segments": [4, 5, 51, 3, 64, 41, -1, -1]}},
    {
      "Taxon": "Romanian",
      "Segments": [4, 5, 51, 3, 64, 5, -1, -1]}},
  ],
  "Name": "ToFly-Primary", "Data": [
    {
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      "Segments": [47, 17, 14, 41, 15, 6]}},
    {
      "Taxon": "French",
      "Segments": [51, 23, 14, 6, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [7, 17, 14, 5, 8, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [51, 17, 14, 5, 15, 6]}},
    {
      "Taxon": "PortugueseBrazil",
      "Segments": [51, 17, -1, 5, 19, -1]}},
    {
      "Taxon": "Portuguese",
      "Segments": [51, 47, -1, 5, 8, -1]}},
    {
      "Taxon": "Catalan",
      "Segments": [7, 13, 14, 5, -1, -1]}},
    {
      "Taxon": "Walloon",
      "Segments": [51, 23, 14, 6, -1, -1]}},
  ],
  "Name": "ToFly-Exvolare", "Data": [
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    {
      "Taxon": "Friulian",
      "Segments": [35, 51, 17, 14, 41, -1, -1]}},
    {
      "Taxon": "Romanian",
      "Segments": [35, 7, 13, 8, 5, -1, -1]}},
  ],
  "Name": "ToWalk-Primary", "Data": [
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      "Segments": [36, 24, -1, 2, 3, 4, 6, -1, -1]}},
    {
      "Taxon": "Spanish",
      "Segments": [39, 5, -1, 2, 3, 4, 5, 8, -1]}},
    {
      "Taxon": "Italian",
      "Segments": [39, 5, 2, 2, 3, 4, 5, 15, 6]}},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "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": [55, 5, -1, 2, 3, 4, 41, -1, -1]}
}],
{
  "Name": "ToWalk-Mergere", "Data": [
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    {"Taxon": "Italian",        "Segments": [2, 12, 15, 69, 6, 15, 6]},
    {"Taxon": "Romanian",       "Segments": [2, 6, 15, 69, 6, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Ambitare", "Data": [
    {"Taxon": "Latin",          "Segments": [5, 2, 7, 3, 26, 41, 15, 6]},
    {"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": [
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    {"Taxon": "French",         "Segments": [51, 24, 4, 3, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 6, 4, 3, 8, -1]},
    {"Taxon": "Italian",        "Segments": [51, 6, 4, 3, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, -1, 3, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [51, -1, -1, 3, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [7, 24, 4, 3, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [51, 3, 4, 3, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [51, 3, 22, 20, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [51, 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]},
    {"Taxon": "Spanish",        "Segments": [6, 39, 33, 26, 6, 4, 21, 6, 8, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, -1, 33, 26, 57, -1, 21, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [3, -1, 36, 26, 57, -1, 21, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [24, -1, 33, 26, 6, 4, 21, -1, 8, 24]},
    {"Taxon": "Friulian",        "Segments": [-1, -1, 33, 26, 3, 4, 21, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [6, 39, 33, 26, 3, 4, 21, 6, -1, -1]}
  ]
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{
  "Name": "ToLieAsInABed-Iacere", "Data": [
    {"Taxon": "Latin",          "Segments": [10, 5, -1, 39, 1, 15, 6]},
    {"Taxon": "French",         "Segments": [79, 6, -1, 35, 3, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [68, 5, -1, 44, 6, 8, -1]},
    {"Taxon": "Italian",        "Segments": [69, 5, -1, 30, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [79, 9, -1, 35, 6, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [79, 9, -1, 35, 6, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [79, 5, 47, -1, -1, 8, 24]},
    {"Taxon": "Walloon",         "Segments": [69, 3, -1, -1, -1, 15, -1]},
    {"Taxon": "Friulian",        "Segments": [10, 6, -1, 33, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [35, 24, -1, 30, 74, -1, -1]}
  ]
},
{
  "Name": "ToSit-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [33, -1, 6, 21, 1, 15, 6]},
    {"Taxon": "French",         "Segments": [33, 47, 5, -1, -1, 19, -1]},
    {"Taxon": "Spanish",        "Segments": [33, -1, 6, -1, -1, 8, -1]},
    {"Taxon": "Italian",        "Segments": [33, -1, 6, 21, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 6, -1, -1, 19, -1]},
    {"Taxon": "Portuguese",     "Segments": [33, -1, 6, -1, -1, 8, -1]},
    {"Taxon": "Friulian",        "Segments": [33, -1, 45, -1, -1, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [36, -1, 6, 21, 74, -1, -1]}
  ]
},
]
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToSit-Sedentare", "Data": [
    { "Taxon": "Latin", "Segments": [33, 6, 21, 6, 4, 26, 41, 15, 6] },
    { "Taxon": "Spanish", "Segments": [33, 6, -1, -1, 4, 26, 5, 8, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [33, 57, -1, -1, -1, 26, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [33, 57, -1, -1, -1, 26, 5, 8, -1] },
    { "Taxon": "Friulian", "Segments": [33, 6, -1, -1, 4, 26, 41, -1, -1] }
  ],
  "Name": "ToStand-Primary", "Data": [
    { "Taxon": "Latin", "Segments": [-1, 33, 26, 41, 15, 6] },
    { "Taxon": "French", "Segments": [12, -1, 26, -1, 19, -1] },
    { "Taxon": "Spanish", "Segments": [6, 33, 26, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [-1, 33, 26, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [31, 36, 26, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [31, 36, 26, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [24, 33, 26, 5, -1, -1] },
    { "Taxon": "Friulian", "Segments": [-1, 33, 26, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [-1, 33, 26, 5, -1, -1] }
  ],
  "Name": "ToStand-Levare", "Data": [
    { "Taxon": "Latin", "Segments": [14, 6, 51, 41, 15, 6] },
    { "Taxon": "French", "Segments": [14, 24, 51, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [68, 6, 7, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [14, 6, 51, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [14, 6, 51, 5, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [14, 31, 51, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [18, 24, 7, 5, -1, -1] },
    { "Taxon": "Walloon", "Segments": [14, 12, 51, 6, -1, -1] },
    { "Taxon": "Friulian", "Segments": [14, 6, 51, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [14, -1, 13, 5, -1, -1] }
  ],
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    { "Taxon": "Spanish", "Segments": [5, 14, 44, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [5, 14, 40, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [5, 59, 33, 5, -1, -1] },
    { "Taxon": "Portuguese", "Segments": [5, 59, 33, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [24, 14, 33, 5, -1, -1] },
    { "Taxon": "Walloon", "Segments": [17, -1, 33, 3, -1, -1] },
    { "Taxon": "Friulian", "Segments": [5, 14, 30, 41, -1, -1] }
  ],
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    { "Taxon": "French", "Segments": [26, 13, 19, 4, 6, -1, -1] },
    { "Taxon": "Spanish", "Segments": [26, 17, 8, 4, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [26, 17, 15, 4, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [26, 17, 19, 4, 5, 19, -1] },
    { "Taxon": "Portuguese", "Segments": [26, 13, 8, 4, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [26, 13, 15, 4, 5, -1, -1] },
    { "Taxon": "Walloon", "Segments": [26, 13, 15, 4, 6, -1, -1] },
    { "Taxon": "Friulian", "Segments": [26, 17, 15, 4, 41, -1, -1] },
    { "Taxon": "Romanian", "Segments": [26, 13, 15, 4, 5, -1, -1] }
  ],
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    { "Taxon": "Spanish", "Segments": [16, 3, 8, 5, 8, -1] },
    { "Taxon": "Italian", "Segments": [69, 3, 15, 5, 15, 6] },
    { "Taxon": "PortugueseBrazil", "Segments": [79, 3, 8, 5, 8, -1] },
    { "Taxon": "Portuguese", "Segments": [79, 3, 8, 5, 8, -1] },
    { "Taxon": "Catalan", "Segments": [79, 3, 8, 5, -1, -1] },
    { "Taxon": "Friulian", "Segments": [69, 3, 15, 41, -1, -1] }
  ]
}
```

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```
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  {"Taxon": "Latin", "Segments": [-1, 26, -1, 17, 15, 82, 1, 15, 6]},
  {"Taxon": "French", "Segments": [-1, 26, -1, 23, 19, 21, -1, 19, -1]},
  {"Taxon": "Spanish", "Segments": [-1, 26, -1, 17, 8, 44, 6, 8, -1]},
  {"Taxon": "Italian", "Segments": [-1, 26, -1, 23, 15, 30, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [-1, 26, -1, 13, 15, 33, 6, 15, -1]},
  {"Taxon": "Portuguese", "Segments": [-1, 26, -1, 13, 15, 33, 6, 15, -1]},
  {"Taxon": "Catalan", "Segments": [-1, 26, -1, 23, 15, 33, 24, -1, -1]},
  {"Taxon": "Friulian", "Segments": [33, 26, 47, 5, 15, 67, 3, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, 26, -1, 25, 15, 30, 6, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [36, 47, 5, -1, -1, 19, -1]},
  {"Taxon": "Spanish", "Segments": [39, -1, 5, -1, 6, 8, -1]},
  {"Taxon": "Italian", "Segments": [39, -1, 5, 21, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, -1, 9, -1, 3, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [39, -1, 9, -1, 3, 8, -1]},
  {"Taxon": "Catalan", "Segments": [39, -1, 5, 47, -1, 15, 24]},
  {"Taxon": "Walloon", "Segments": [30, -1, 12, -1, -1, 15, -1]},
  {"Taxon": "Friulian", "Segments": [55, -1, 5, 21, 6, -1, -1]},
  {"Taxon": "Romanian", "Segments": [39, -1, 24, 21, 74, -1, -1]}
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  {"Taxon": "Spanish", "Segments": [26, 13, 2, 7, 5, 8]},
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  {"Taxon": "Portuguese", "Segments": [26, 50, -1, 7, 5, 8]},
  {"Taxon": "Catalan", "Segments": [26, 13, 2, 7, 5, -1]},
  {"Taxon": "Walloon", "Segments": [26, 13, 2, -1, 6, -1]}
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  {"Taxon": "Italian", "Segments": [21, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [21, 5, 15, -1]},
  {"Taxon": "Friulian", "Segments": [21, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [21, 5, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [21, 23, 4, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [21, 17, 4, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [21, 17, 4, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 17, -1, 5, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 13, -1, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [21, 13, 4, 5, -1, -1]},
  {"Taxon": "Walloon", "Segments": [21, 3, 4, 6, -1, -1]},
  {"Taxon": "Friulian", "Segments": [21, 17, 4, 41, -1, -1]}
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  {"Taxon": "French", "Segments": [26, 24, 4, 3, 19, -1]},
  {"Taxon": "Spanish", "Segments": [26, 6, 4, 6, 8, -1]},
  {"Taxon": "Italian", "Segments": [26, 6, 4, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 6, -1, -1, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [26, 6, -1, -1, 8, -1]},
  {"Taxon": "Catalan", "Segments": [26, 24, 4, 3, -1, -1]},
```

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```
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  "Taxon": "Walloon",      "Segments": [26, 3, 4, 3, -1, -1]},
  "Taxon": "Friulian",    "Segments": [26, 3, 22, 3, -1, -1]},
  "Taxon": "Romanian",    "Segments": [40, 3, 4, 6, -1, -1]}
}],
{
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    {"Taxon": "French",     "Segments": [6, -1, -1, 34, 19, 53, -1, 21, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [6, 39, 33, 34, 8, 6, 2, -1, 3, 8, -1]},
    {"Taxon": "Italian",    "Segments": [-1, -1, 33, 34, 15, 12, 2, -1, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, -1, 36, 34, 15, 24, 2, -1, 6, 19, -1]},
    {"Taxon": "Portuguese",  "Segments": [3, -1, 36, 34, 15, 24, 2, -1, 6, 15, -1]},
    {"Taxon": "Catalan",    "Segments": [24, -1, 33, 34, 8, 6, 2, -1, 24, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [6, -1, 33, 34, 15, 3, 2, -1, 3, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [-1, 33, 39, -1, 15, 6, 2, -1, 6, -1, -1]}
  ]
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{
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    {"Taxon": "PortugueseBrazil", "Segments": [33, 6, -1, 19, 5, -1, -1]},
    {"Taxon": "Portuguese",  "Segments": [33, 24, -1, 75, 5, 8, -1]},
    {"Taxon": "Catalan",    "Segments": [33, 24, -1, 15, 5, -1, -1]}
  ]
},
{
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    {"Taxon": "Spanish",    "Segments": [44, -1, 6, -1, 15, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [33, -1, 6, 15, 15, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, -1, 31, -1, 19, 5, 8, -1]},
    {"Taxon": "Portuguese",  "Segments": [33, -1, 31, -1, 19, 5, 8, -1]},
    {"Taxon": "Walloon",     "Segments": [33, -1, 12, -1, 15, 6, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [33, 10, 6, -1, 15, 41, -1, -1]}
  ]
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{
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    {"Taxon": "PortugueseBrazil", "Segments": [9, -1, 34, 31, -1, 8, -1, 26, 5, 8, -1]},
    {"Taxon": "Portuguese",  "Segments": [9, -1, 34, 31, -1, 8, -1, 26, 5, 8, -1]}
  ]
},
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    {"Taxon": "French",     "Segments": [6, -1, 26, 19, 53, -1, 21, -1, 19, -1]},
    {"Taxon": "Spanish",    "Segments": [6, 33, 26, 8, 6, 22, -1, 3, 8, -1]},
    {"Taxon": "Italian",    "Segments": [-1, 33, 26, 15, 3, 4, 69, 6, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 36, 26, 15, 28, -1, 79, 3, 15, -1]},
    {"Taxon": "Portuguese",  "Segments": [24, 36, 26, 15, 28, -1, 79, 3, 15, -1]},
    {"Taxon": "Catalan",    "Segments": [24, 33, 26, 8, 12, 22, -1, 24, -1, -1]},
    {"Taxon": "Walloon",     "Segments": [-1, 33, 26, 15, 53, 4, 21, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [-1, 33, 26, 15, 12, 4, 69, 20, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [-1, 33, 26, 15, 31, 4, 69, 6, -1, -1]}
  ]
},
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    {"Taxon": "Spanish",    "Segments": [0, 8, 6, 64, 5, 8, -1]},
    {"Taxon": "Italian",    "Segments": [0, 15, 6, 64, 5, 15, 6]},
    {"Taxon": "Catalan",    "Segments": [0, 8, 24, 64, 5, -1, -1]},
    {"Taxon": "Walloon",     "Segments": [0, 15, 66, 3, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [0, 15, 6, -1, 41, -1, -1]},
    {"Taxon": "Romanian",   "Segments": [0, 15, 6, 39, 5, -1, -1]}
  ]
},
{
  "Name": "ToRub-Exfricare", "Data": [
    {"Taxon": "PortugueseBrazil", "Segments": [31, 36, 0, 8, 31, 64, 5, 8]}
  ]
}
```

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```

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  ]},
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    {"Taxon": "Spanish",        "Segments": [0, 8, 17, -1, 26, 5, 8, -1]},
    {"Taxon": "Italian",        "Segments": [0, 15, 6, 26, 26, 5, 15, 6]},
    {"Taxon": "Walloon",        "Segments": [0, 15, 23, -1, 26, 6, -1, -1]}
  ]},
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    {"Taxon": "Catalan",        "Segments": [0, 8, 24, 33, 5, -1]}
  ]},
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    {"Taxon": "Italian",        "Segments": [14, 5, 51, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 9, 51, 5, 8, -1]},
    {"Taxon": "Portuguese",     "Segments": [14, 9, 51, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [18, 24, 7, 5, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [14, 5, 51, 6, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [14, 5, 51, 41, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [14, 5, -1, -1, -1, -1]}
  ]},
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    {"Taxon": "Spanish",        "Segments": [6, -1, 33, 26, 5, 8, 33, 3, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [24, -1, 33, 26, 24, 15, 79, 3, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [-1, -1, 36, 26, 6, 15, 69, 6, -1, -1]}
  ]},
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    {"Taxon": "French",         "Segments": [6, -1, 33, 62, 3, -1, 10, 6, -1, -1]},
    {"Taxon": "Italian",        "Segments": [5, 36, 36, -1, 13, 64, -1, 5, 15, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [57, -1, 36, -1, 13, 64, -1, 5, 8, -1]},
    {"Taxon": "Portuguese",     "Segments": [57, -1, 36, -1, 13, 81, -1, 5, 8, -1]},
    {"Taxon": "Catalan",        "Segments": [24, -1, 36, -1, 13, 64, -1, 5, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [-1, -1, 33, -1, 63, -1, -1, 6, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [-1, -1, 33, -1, 13, -1, 10, 41, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [13, -1, 33, -1, -1, 39, -1, 5, -1, -1]}
  ]},
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    {"Taxon": "PortugueseBrazil", "Segments": [14, 28, -1, 34, -1, -1, 5, 8, -1]},
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  ]},
  {"Name": "ToPull-Primary", "Data": [
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    {"Taxon": "Spanish",        "Segments": [26, 3, 8, 5, 8, -1]},
    {"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]}
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```

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```
{
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  "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, 69, 6, -1, -1]}
}],
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      "Taxon": "Catalan",        "Segments": [24, 2, 34, 12, 22, -1, 24, -1, -1]},
      "Taxon": "Romanian",        "Segments": [31, 2, 34, 3, 4, 69, 6, -1, -1]}
    ]
  },
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      "Taxon": "Spanish",        "Segments": [-1, 6, -1, 30, 5, 8, -1]},
      "Taxon": "Italian",        "Segments": [69, 6, 26, 26, 5, 15, 6]},
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      "Taxon": "Portuguese",      "Segments": [79, 45, -1, 26, 5, 8, -1]},
      "Taxon": "Catalan",         "Segments": [16, 3, -1, 26, 5, -1, -1]},
      "Taxon": "Walloon",         "Segments": [69, 12, -1, 26, 6, -1, -1]}
    ]
  },
{
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      "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]}
    ]
  },
{
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      "Taxon": "French",         "Segments": [14, 10, -1, 6, -1, -1]},
      "Taxon": "Spanish",        "Segments": [14, 6, 64, 5, 8, -1]},
      "Taxon": "Italian",        "Segments": [14, 6, 64, 5, 15, 6]},
      "Taxon": "Catalan",         "Segments": [18, 3, 81, 5, -1, -1]},
      "Taxon": "Walloon",         "Segments": [14, 66, 3, -1, -1, -1]},
      "Taxon": "Friulian",        "Segments": [14, 6, -1, 41, -1, -1]},
      "Taxon": "Romanian",        "Segments": [14, 6, 64, 5, -1, -1]}
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      "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]}
    ]
  },
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      "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": [55, 25, -1, -1, 33, -1, 6, -1, -1]}
    ]
  }
}
```

Appendix 1 - Tongue Twister Configuration

```
}},
{"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, 50, -1, -1, -1, 26, 5, 8, -1]},
  {"Taxon": "Portuguese", "Segments": [39, 50, -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]}
]},
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  {"Taxon": "Italian", "Segments": [4, 17, 51, -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]}
]},
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  {"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]}
]},
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  {"Taxon": "Italian", "Segments": [6, -1, 33, 34, 17, 15, -1, 15, 6]},
  {"Taxon": "Romanian", "Segments": [-1, -1, 33, 34, 13, 4, 6, -1, -1]}
]},
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  {"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": [55, 5, 4, 26, 41, -1, -1]},
  {"Taxon": "Romanian", "Segments": [39, 31, 4, 26, 5, -1, -1]}
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  {"Taxon": "Latin", "Segments": [14, 61, 21, 6, 15, 6]},
  {"Taxon": "Spanish", "Segments": [14, 13, 21, 3, 8, -1]}
]},
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  {"Taxon": "French", "Segments": [79, -1, 47, -1, 6, -1, -1]},
  {"Taxon": "Spanish", "Segments": [16, 13, -1, 64, 5, 8, -1]},
  {"Taxon": "Italian", "Segments": [69, 17, -1, 39, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [79, 17, -1, 64, 5, 19, -1]},
  {"Taxon": "Portuguese", "Segments": [79, 13, -1, 81, 5, 8, -1]},
  {"Taxon": "Catalan", "Segments": [79, 13, -1, 64, 5, -1, -1]}
```


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```

{"Taxon": "Walloon",          "Segments": [69, 13, 47, -1, 6, -1, -1]},
{"Taxon": "Friulian",         "Segments": [69, 13, 10, -1, 41, -1, -1]},
{"Taxon": "Romanian",         "Segments": [79, 13, -1, 39, 5, -1, -1]}
}],
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  {"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, 55, 26, 13, 5, -1, -1]}
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  {"Taxon": "PortugueseBrazil", "Segments": [0, 14, 47, 3, 19, -1]},
  {"Taxon": "Portuguese",      "Segments": [0, 14, 47, 3, 8, -1]},
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}],
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  {"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, 59, 5, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [39, 23, 14, 6, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [39, 17, 14, 41, -1, -1]}
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  {"Taxon": "PortugueseBrazil", "Segments": [3, -1, 36, 39, 17, -1, 19, 6, 19, -1]},
  {"Taxon": "Portuguese",      "Segments": [3, -1, 36, 39, 13, -1, 75, 6, 8, -1]},
  {"Taxon": "Catalan",         "Segments": [24, -1, 33, 39, 17, -1, 15, 24, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [-1, -1, 33, 39, 23, -1, 15, 20, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [-1, -1, 33, 39, 13, 8, 69, 6, -1, -1]}
}],
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  {"Taxon": "Spanish",        "Segments": [39, 17, -1, 15, 6, 8, -1]},
  {"Taxon": "Italian",         "Segments": [39, 17, 15, 15, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [39, 17, -1, 19, 6, 19, -1]},
  {"Taxon": "Portuguese",      "Segments": [39, 13, -1, 19, 6, 8, -1]},
  {"Taxon": "Catalan",         "Segments": [39, 17, -1, 15, 24, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [39, 23, -1, 15, 3, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [39, 23, -1, 15, 3, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [39, 13, 8, 69, 6, -1, -1]}
}],
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  {"Taxon": "Spanish",        "Segments": [-1, 6, 14, 5, 8, -1]},
  {"Taxon": "Italian",         "Segments": [69, 6, 14, 5, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [79, 31, 14, 5, 8, -1]},
  {"Taxon": "Portuguese",      "Segments": [79, 31, 14, 5, 8, -1]},
  {"Taxon": "Catalan",         "Segments": [79, 24, 14, 5, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [69, 5, 14, 6, -1, -1]}
]
```

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```
{
  "Taxon": "Friulian",
  "Segments": [69, 6, 14, 41, -1, -1]}
}],
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  {"Taxon": "Catalan",
   "Segments": [64, 14, 24, -1, 33, -1, 5, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [64, 14, 5, -1, 30, -1, 41, -1, -1]}
}],
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  {"Taxon": "Romanian",
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}],
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  {"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": [57, -1, 0, 14, 6, -1, -1]},
  {"Taxon": "Friulian",
   "Segments": [6, 4, 0, 14, 41, -1, -1]},
  {"Taxon": "Romanian",
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}],
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  {"Taxon": "Walloon",
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  {"Taxon": "Spanish",
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  {"Taxon": "PortugueseBrazil",
   "Segments": [28, -1, 26, 13, 2, 6, 33, -1, 6, 8, -1]},
  {"Taxon": "Portuguese",
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}],
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  {"Taxon": "Spanish",
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  {"Taxon": "Italian",
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  {"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",
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  {"Taxon": "Friulian",
   "Segments": [39, 15, -1, 12, 33, -1, 3, -1, -1]},
  {"Taxon": "Romanian",
   "Segments": [39, 8, -1, 6, 36, 26, 6, -1, -1]}
}],
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  {"Taxon": "Spanish",
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  {"Taxon": "PortugueseBrazil",
   "Segments": [39, -1, 46, 2, 5, 8, 6]},
  {"Taxon": "Portuguese",
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  {"Taxon": "Catalan",
   "Segments": [39, 15, 24, 2, 5, -1, -1]}
}],
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  {"Taxon": "French",
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  {"Taxon": "Catalan",
   "Segments": [0, 59, 5, -1, 2, 5, -1, -1]}
}],
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```

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```

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{"Taxon": "Portuguese",      "Segments": [9, 8, 21, 6, 8, -1]},
{"Taxon": "Friulian",        "Segments": [5, 15, 21, 3, -1, -1]},
{"Taxon": "Romanian",        "Segments": [5, 8, 21, 6, -1, -1]}
}],
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  {"Taxon": "Spanish",         "Segments": [6, 4, 44, 6, 4, 21, -1, 6, 8, -1]},
  {"Taxon": "Italian",         "Segments": [3, 4, 30, 12, 4, 21, -1, 6, 15, 6]},
  {"Taxon": "PortugueseBrazil", "Segments": [28, -1, 33, 6, 4, 69, 78, 5, 8, -1]},
  {"Taxon": "Portuguese",      "Segments": [28, -1, 33, 57, -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, 79, 6, -1, -1]}
}],
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  {"Taxon": "Romanian",        "Segments": [13, 33, 26, 13, 15, 5, -1, -1]}
}],
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  {"Taxon": "Italian",         "Segments": [17, 22, 22, 3, -1]}
}],
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  {"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]}
}],
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  {"Taxon": "Spanish",         "Segments": [2, 13, -1, 30, 17, -1]},
  {"Taxon": "Italian",         "Segments": [2, 17, 14, 26, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [2, 83, 85, -1, 26, 13]},
  {"Taxon": "Portuguese",      "Segments": [2, 83, 85, -1, 26, 13]},
  {"Taxon": "Catalan",         "Segments": [2, 17, 14, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [2, 17, 14, 55, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [2, 13, 14, 26, -1, -1]}
}],
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  {"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, 55, -1, -1]}
}],
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  {"Taxon": "Spanish",         "Segments": [5, 14, 64, 13, 4, 17]}
]
```

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```
{
  "Taxon": "Italian",      "Segments": [5, 14, 39, 13, 4, 17]},
  "Taxon": "PortugueseBrazil", "Segments": [5, 47, 64, 83, -1, -1]},
  "Taxon": "Portuguese",   "Segments": [5, 59, 64, 83, -1, -1]},
  "Taxon": "Catalan",      "Segments": [24, 14, 64, 13, -1, -1]},
  "Taxon": "Walloon",      "Segments": [5, 14, 39, 23, 4, -1]}
}],
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    {"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]}
  ]
},
{
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    {"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]}
  ]
},
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    {"Taxon": "PortugueseBrazil", "Segments": [5, 47, -1, -1, -1]},
    {"Taxon": "Portuguese",   "Segments": [5, 59, -1, -1, -1]}
  ]
},
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    {"Taxon": "Latin",      "Segments": [2, 5, 64, 4, 13, 33]},
    {"Taxon": "Spanish",    "Segments": [2, 5, -1, 22, 17, -1]}
  ]
},
{
  "Name": "Big-Grandem", "Data": [
    {"Taxon": "Latin",      "Segments": [64, 15, 5, 4, 21, 6, 2]},
    {"Taxon": "French",     "Segments": [64, 19, 27, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [64, 8, 5, 4, 21, 6, -1]},
    {"Taxon": "Italian",    "Segments": [64, 15, 5, 4, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [64, 8, 29, -1, 69, 3, -1]},
    {"Taxon": "Portuguese", "Segments": [64, 8, 29, -1, 21, 31, -1]},
    {"Taxon": "Catalan",    "Segments": [64, 15, 5, 4, -1, -1, -1]},
    {"Taxon": "Walloon",    "Segments": [64, 15, 27, -1, -1, -1, -1]},
    {"Taxon": "Friulian",   "Segments": [64, 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]}
  ]
},
{
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    {"Taxon": "Latin",      "Segments": [14, 17, 4, 64, 13, 33]},
    {"Taxon": "French",     "Segments": [14, 48, -1, -1, -1, -1]},
    {"Taxon": "Spanish",    "Segments": [14, 17, 4, 64, 17, -1]},
    {"Taxon": "Italian",    "Segments": [14, 13, 4, 64, 17, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 50, -1, 64, 13, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 50, -1, 64, 13, -1]},
    {"Taxon": "Catalan",    "Segments": [18, 17, 72, -1, -1, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

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{"Taxon": "Walloon",          "Segments": [14, 48, -1, -1, -1, -1]},
{"Taxon": "Friulian",         "Segments": [14, 13, 4, 39, -1, -1]},
{"Taxon": "Romanian",         "Segments": [14, 13, 4, 64, -1, -1]}
}],
{"Name": "Long-Largum", "Data": [
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  {"Taxon": "French",         "Segments": [14, 5, 19, 79, -1, -1]},
  {"Taxon": "Spanish",        "Segments": [14, 5, 8, 81, 17, -1]},
  {"Taxon": "Italian",        "Segments": [14, 5, 15, 64, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 5, 19, 64, 13, -1]},
  {"Taxon": "Portuguese",     "Segments": [14, 5, 8, 64, 13, -1]},
  {"Taxon": "Catalan",        "Segments": [18, 5, 8, 39, -1, -1]},
  {"Taxon": "Walloon",        "Segments": [14, 5, -1, 69, -1, -1]},
  {"Taxon": "Friulian",       "Segments": [14, 5, 15, 39, -1, -1]},
  {"Taxon": "Romanian",       "Segments": [14, 5, 15, 64, -1, -1]}
}],
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  {"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]}
}],
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  {"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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  {"Taxon": "French",         "Segments": [64, 19, 60, -1, -1, -1, -1]},
  {"Taxon": "Spanish",        "Segments": [64, 8, 5, -1, 33, 17, -1]},
  {"Taxon": "Italian",        "Segments": [64, 15, 5, 33, 33, 17, -1]},
  {"Taxon": "Portuguese",     "Segments": [64, 8, 5, -1, 36, 13, -1]},
  {"Taxon": "Catalan",        "Segments": [64, 8, 5, -1, 33, -1, -1]},
  {"Taxon": "Walloon",        "Segments": [39, 15, 60, -1, -1, -1, -1]},
  {"Taxon": "Friulian",       "Segments": [64, 15, 5, 33, -1, -1, -1]},
  {"Taxon": "Romanian",       "Segments": [64, 15, 5, 33, -1, -1, -1]}
}],
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  {"Taxon": "Latin",          "Segments": [-1, 33, 34, 3, 33, 33, 13, 33]},
  {"Taxon": "French",         "Segments": [6, -1, 34, 12, -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": [64, 13, 15, 21, 13, 33]},
  {"Taxon": "Spanish",        "Segments": [64, 17, 8, 21, 17, -1]}
}],
{"Name": "Thick-Grossus", "Data": [

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{"Taxon": "Latin",           "Segments": [64, 15, 17, -1, 33, 33, 13, 33]},
{"Taxon": "French",          "Segments": [64, 19, 17, -1, -1, -1, -1, -1]},
{"Taxon": "Italian",         "Segments": [64, 15, 23, -1, 33, 33, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [64, 8, 17, -1, -1, 33, 13, -1]},
{"Taxon": "Portuguese",      "Segments": [64, 8, 17, -1, -1, 33, 13, -1]},
{"Taxon": "Catalan",         "Segments": [64, 8, 23, -1, -1, 33, -1, -1]},
{"Taxon": "Walloon",         "Segments": [64, 8, 23, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [64, 15, 47, 12, 33, -1, -1, -1]},
{"Taxon": "Romanian",        "Segments": [64, 15, 17, -1, 33, -1, -1, -1]}
]},
{"Name": "Heavy-Primary", "Data": [
{"Taxon": "Latin",           "Segments": [64, 15, 5, -1, -1, 47, 3, 33]},
{"Taxon": "French",          "Segments": [64, 19, 3, 10, 12, 0, -1, -1]},
{"Taxon": "Spanish",         "Segments": [64, 8, 5, -1, -1, 7, 6, -1]},
{"Taxon": "Italian",         "Segments": [64, 15, 12, -1, -1, 51, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [64, 8, 5, -1, -1, 51, 3, -1]},
{"Taxon": "Portuguese",      "Segments": [64, 8, 5, -1, -1, 51, 31, -1]},
{"Taxon": "Catalan",         "Segments": [64, 8, 6, -1, -1, 47, -1, -1]},
{"Taxon": "Walloon",         "Segments": [64, 15, 60, -1, -1, 51, -1, -1]},
{"Taxon": "Friulian",        "Segments": [64, 15, 12, -1, -1, 51, 3, -1]},
{"Taxon": "Romanian",        "Segments": [64, 8, 6, -1, -1, 47, -1, -1]}
]},
{"Name": "Heavy-Lurdus", "Data": [
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{"Taxon": "Spanish",         "Segments": [14, 6, 8, 21, 17, -1]},
{"Taxon": "Italian",         "Segments": [14, 17, 15, 21, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [14, 6, 8, 21, 17, -1]},
{"Taxon": "Portuguese",      "Segments": [14, 6, 8, 21, 17, -1]},
{"Taxon": "Walloon",         "Segments": [14, 13, 15, -1, -1, -1]}
]},
{"Name": "Small-Primary", "Data": [
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{"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-Pitulus", "Data": [
{"Taxon": "Latin",           "Segments": [34, 3, 26, 13, 14, 13, 33]},
{"Taxon": "Friulian",        "Segments": [34, 3, 30, 13, 14, -1, -1]}
]},
{"Name": "Short-Primary", "Data": [
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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]}
]},
{"Name": "Short-Brevis", "Data": [
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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, 51, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [7, 8, 12, 51, 3, -1]},
{"Taxon": "Portuguese",      "Segments": [7, 8, 12, 51, 31, -1]},
{"Taxon": "Catalan",         "Segments": [7, 8, 6, 47, -1, -1]},
{"Taxon": "Walloon",         "Segments": [7, 15, 12, 0, -1, -1]}
]

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}},
{"Name": "Narrow-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [5, 4, 64, 13, 33, 26, 13, 33]},
  {"Taxon": "Spanish", "Segments": [5, 4, 64, 17, 33, 26, 17, -1]},
  {"Taxon": "Romanian", "Segments": [31, 72, 64, 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, 87, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [-1, 33, 26, 15, -1, 12, -1, -1, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, 33, 26, 15, -1, 31, 2, -1, 26, -1, -1]}
]},
{"Name": "Thin-Primary", "Data": [
  {"Taxon": "Latin", "Segments": [2, 3, 4, 61, -1, 26, 13, 33]},
  {"Taxon": "French", "Segments": [2, 24, 4, 63, -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, 61, -1, 26, -1, -1]},
  {"Taxon": "Romanian", "Segments": [2, 24, 15, 13, 4, 26, -1, -1]}
]},
{"Name": "Thin-Delicatus", "Data": [
  {"Taxon": "Latin", "Segments": [21, 1, 14, 3, 39, 41, 26, 13, 33]},
  {"Taxon": "French", "Segments": [21, 13, -1, -1, 79, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [21, 6, 14, -1, 81, 5, 37, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 6, 47, -1, 64, 5, 21, 13, -1]},
  {"Taxon": "Portuguese", "Segments": [21, 12, 59, -1, 81, 5, 37, 13, -1]},
  {"Taxon": "Catalan", "Segments": [21, 24, 14, 3, 39, 5, 26, -1, -1]}
]},
{"Name": "Thin-Subtilis", "Data": [
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  {"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": [
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  {"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, 59, -1, -1, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [30, 17, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [55, 5, 14, -1, 26, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [39, 5, 14, -1, 21, -1, -1, -1]}
]},
{"Name": "Cold-Primary", "Data": [

```

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```

{"Taxon": "Latin", "Segments": [0, 15, -1, 20, 64, 3, 21, 13, 33]},
{"Taxon": "French", "Segments": [0, 19, 47, 5, -1, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [0, 8, -1, 3, -1, -1, -1, 17, -1]},
{"Taxon": "Italian", "Segments": [0, 15, -1, 6, 21, -1, 21, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [0, 8, -1, 3, -1, -1, -1, 13, -1]},
{"Taxon": "Portuguese", "Segments": [0, 8, -1, 3, -1, -1, -1, 13, -1]},
{"Taxon": "Catalan", "Segments": [0, 8, -1, 12, -1, -1, 26, -1, -1]},
{"Taxon": "Walloon", "Segments": [0, 75, -1, 73, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [0, 15, -1, 1, -1, -1, 26, -1, -1]}
}],
{"Name": "Cold-Recens", "Data": [
{"Taxon": "Latin", "Segments": [15, 6, 39, -1, 6, 4, 26, 6, 2]},
{"Taxon": "Spanish", "Segments": [15, 6, 44, 10, 6, 4, 26, 6, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [19, 6, 33, -1, 57, -1, 30, 3, -1]},
{"Taxon": "Portuguese", "Segments": [19, 6, 33, -1, 57, -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]}
}],
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{"Taxon": "French", "Segments": [34, 14, 53, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [-1, 18, 6, 4, 17, -1]},
{"Taxon": "Italian", "Segments": [34, 10, 12, 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, 59, 12, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [34, 14, 53, -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, 11, 0, -1, -1]},
{"Taxon": "Spanish", "Segments": [4, 47, 6, 58, 17, -1]},
{"Taxon": "Italian", "Segments": [4, 47, 23, 51, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [4, -1, 17, 51, 13, -1]},
{"Taxon": "Portuguese", "Segments": [4, -1, 17, 51, 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, 61, 0, -1, -1]},
{"Taxon": "Romanian", "Segments": [4, -1, 17, 47, -1, -1]}
}],
{"Name": "New-Novellus", "Data": [
{"Taxon": "Latin", "Segments": [4, 17, 47, 6, 14, 14, 13, 33]},
{"Taxon": "French", "Segments": [4, 13, 51, 17, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [4, 17, 58, 3, -1, 18, 17, -1]},
{"Taxon": "Italian", "Segments": [4, 17, 51, 12, 14, 14, 17, -1]},
{"Taxon": "Catalan", "Segments": [4, 13, 58, 6, -1, 18, 17, -1]},
{"Taxon": "Walloon", "Segments": [4, 23, 51, -1, -1, 10, 5, -1]}
}],
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{"Taxon": "French", "Segments": [4, 13, 51, 12, -1, 14, -1]},
{"Taxon": "Italian", "Segments": [4, 17, 51, 12, 14, 14, 5]},
{"Taxon": "Walloon", "Segments": [4, 23, 51, -1, -1, 10, 5]},
{"Taxon": "Romanian", "Segments": [4, 13, 10, -1, -1, -1, 5]}
}],
{"Name": "Old-Primary", "Data": [
{"Taxon": "Latin", "Segments": [47, -1, 6, 26, 13, 14, 13, 33]},
{"Taxon": "French", "Segments": [51, 10, 73, -1, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [7, 10, 6, 16, 17, -1, -1, -1]}
]
```

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```

{"Taxon": "Italian",           "Segments": [51, -1, 12, 39, -1, 39, 10, 17]},
{"Taxon": "PortugueseBrazil", "Segments": [51, -1, 46, -1, -1, 18, 13, -1]},
{"Taxon": "Portuguese",       "Segments": [51, -1, 6, -1, -1, 18, 13, -1]},
{"Taxon": "Catalan",          "Segments": [51, -1, 6, -1, -1, 18, -1, -1]},
{"Taxon": "Walloon",           "Segments": [51, 3, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian",          "Segments": [51, 10, 6, -1, -1, -1, 3, -1]},
{"Taxon": "Romanian",          "Segments": [51, -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, 50, -1, -1, -1]},
  {"Taxon": "Portuguese",       "Segments": [7, -1, 50, -1, -1, -1]},
  {"Taxon": "Catalan",          "Segments": [7, -1, 23, 4, -1, -1]},
  {"Taxon": "Walloon",           "Segments": [7, -1, 48, -1, -1, -1]},
  {"Taxon": "Friulian",          "Segments": [7, -1, 23, 4, -1, -1]},
  {"Taxon": "Romanian",          "Segments": [7, -1, 13, 4, -1, -1]}
]},
{"Name": "Bad-Primary", "Data": [
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  {"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, 60, 51, 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": "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": [
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  {"Taxon": "Spanish",          "Segments": [33, 17, 8, 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]}
]},
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  {"Taxon": "Latin",           "Segments": [-1, 33, 34, 13, 15, 55, 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": "French",           "Segments": [21, -1, 19, 47, 5, -1, -1, -1, -1]},
  {"Taxon": "Italian",          "Segments": [21, -1, 15, -1, 3, 26, 26, 17, -1]}
]
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{"Taxon": "PortugueseBrazil", "Segments": [69, 3, 8, -1, 45, -1, 26, 13, -1]},
{"Taxon": "Portuguese", "Segments": [21, 3, 8, -1, 46, -1, 26, 13, -1]},
{"Taxon": "Catalan", "Segments": [21, -1, 8, -1, 12, -1, 26, -1, -1]},
{"Taxon": "Walloon", "Segments": [21, -1, 15, -1, 73, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [21, -1, 15, -1, 12, -1, 26, -1, -1]},
{"Taxon": "Romanian", "Segments": [21, -1, 15, -1, 6, 34, 26, -1, -1]}
]},
{"Name": "Round-Primary", "Data": [
{"Taxon": "Latin", "Segments": [15, 17, 26, 13, 4, 21, 13, 33]},
{"Taxon": "French", "Segments": [19, 48, -1, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Spanish", "Segments": [15, 6, 21, 17, 4, 21, 17, -1]},
{"Taxon": "Italian", "Segments": [15, 17, 26, 17, 4, 21, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [19, 6, 21, 50, -1, 21, 13, -1]},
{"Taxon": "Portuguese", "Segments": [19, 31, 21, 50, -1, 21, 13, -1]},
{"Taxon": "Catalan", "Segments": [15, 24, 21, 17, -1, -1, -1, -1, -1]},
{"Taxon": "Walloon", "Segments": [15, 48, -1, -1, -1, -1, -1, -1, -1]},
{"Taxon": "Friulian", "Segments": [26, 5, 15, 23, 4, 26, -1, -1]},
{"Taxon": "Romanian", "Segments": [15, 24, 26, 13, 4, 21, -1, -1]}
]},
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{"Taxon": "Latin", "Segments": [5, 39, 61, 26, 13, 33]},
{"Taxon": "Spanish", "Segments": [5, 81, 13, 37, 17, -1]},
{"Taxon": "Portuguese", "Segments": [9, 81, 13, 37, 13, -1]},
{"Taxon": "Catalan", "Segments": [24, 64, 13, 26, -1, -1]},
{"Taxon": "Walloon", "Segments": [5, 64, 63, -1, -1, -1]}
]},
{"Name": "Smooth-Primary", "Data": [
{"Taxon": "Latin", "Segments": [33, 13, 41, 47, 6, 2]},
{"Taxon": "Italian", "Segments": [33, 17, 5, 51, 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, 69, 13, -1, -1, -1]},
{"Taxon": "Portuguese", "Segments": [4, 12, 69, 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": [
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{"Taxon": "Walloon", "Segments": [63, 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": [61, 21, 13, 33]},
{"Taxon": "Romanian", "Segments": [13, 21, -1, -1]}
]},
{"Name": "Dry-Primary", "Data": [
{"Taxon": "Latin", "Segments": [33, 3, 39, 39, 13, 33]},
{"Taxon": "French", "Segments": [33, 12, -1, 39, -1, -1]},
{"Taxon": "Spanish", "Segments": [33, 6, -1, 39, 17, -1]},
{"Taxon": "Italian", "Segments": [33, 6, 39, 39, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [33, 6, -1, 39, 13, -1]},
{"Taxon": "Portuguese", "Segments": [33, 6, -1, 39, 13, -1]},
{"Taxon": "Catalan", "Segments": [33, 12, 39, -1, -1, -1]}
]

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{"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": "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": "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, 12, -1, -1, -1, -1]},
{"Taxon": "Italian",         "Segments": [34, 15, 12, 33, 33, 17, -1]},
{"Taxon": "Walloon",         "Segments": [34, 15, 12, -1, -1, -1, -1]}
}},
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{"Taxon": "French",          "Segments": [51, 47, 5, 35, 53, -1, -1, -1]},
{"Taxon": "Spanish",         "Segments": [7, -1, 6, 44, 3, 4, 17, -1]},
{"Taxon": "Italian",         "Segments": [51, -1, 3, 30, 3, 4, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [51, -1, 3, 35, 3, 22, 13, -1]},
{"Taxon": "Portuguese",      "Segments": [51, -1, 3, 35, 3, 22, 13, -1]},
{"Taxon": "Catalan",         "Segments": [7, -1, 24, -1, 3, -1, -1, -1]},
{"Taxon": "Walloon",         "Segments": [51, -1, 12, 49, 53, -1, -1, -1]},
{"Taxon": "Friulian",        "Segments": [51, -1, 3, 30, 3, 4, -1, -1]},
{"Taxon": "Romanian",        "Segments": [51, -1, 6, 30, 3, 4, -1, -1]}
}},
{"Name": "Near-Circa", "Data": [
{"Taxon": "Latin",          "Segments": [39, 3, 15, 39, 5]},
{"Taxon": "Spanish",         "Segments": [44, 6, 8, 39, 5]}
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{"Name": "Far-Primary", "Data": [
{"Taxon": "French",          "Segments": [14, 47, 53, -1, 26, 53, -1, -1]},
{"Taxon": "Italian",         "Segments": [14, -1, 17, 4, 26, 5, 4, 17]},
{"Taxon": "Catalan",         "Segments": [18, -1, 13, 4, 26, 5, -1, -1]},
{"Taxon": "Friulian",        "Segments": [14, -1, 17, 4, 26, 5, 4, -1]}
}},
{"Name": "Right-Dextrem", "Data": [
{"Taxon": "Latin",          "Segments": [21, -1, 6, 39, 33, 26, 15, 13, 2]},
{"Taxon": "Spanish",         "Segments": [21, 10, 6, -1, 33, 26, 8, 17, -1]},
{"Taxon": "Italian",         "Segments": [21, -1, 12, -1, 33, 26, 15, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [21, -1, 12, -1, 33, 26, 8, 13, -1]},
{"Taxon": "Portuguese",      "Segments": [21, -1, 12, -1, 36, 26, 8, 13, -1]},
{"Taxon": "Catalan",         "Segments": [21, -1, 6, -1, 33, 26, 8, 24, -1]},
{"Taxon": "Walloon",         "Segments": [21, 10, 12, -1, 33, 26, 15, -1, -1]},
{"Taxon": "Friulian",        "Segments": [21, 10, 6, -1, 33, 26, 15, 3, -1]}
}},
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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": "PortugueseBrazil", "Segments": [33, -1, -1, -1, 12, 36, 26, 8, 13, -1]}
}},

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    {"Taxon": "Portuguese",      "Segments": [33, -1, -1, -1, 12, 36, 26, 8, 13, -1]},
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    {"Taxon": "Friulian",       "Segments": [33, 3, 22, -1, 6, 33, 26, 15, 3, -1]}
  ]},
  {"Name": "Red-Primary", "Data": [
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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, 88, -1]},
    {"Taxon": "Portuguese",     "Segments": [19, 17, -1, 36, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [15, 17, -1, 33, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [15, 23, 69, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [15, 23, -1, 33, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [8, 17, -1, 36, 13, -1]}
  ]},
  {"Name": "Red-Vermiculus", "Data": [
    {"Taxon": "Latin",          "Segments": [51, 6, 15, 2, 3, 39, 13, 14, 13, 33]},
    {"Taxon": "French",         "Segments": [51, 12, 19, 2, 76, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 6, 8, 2, 6, 16, 17, -1, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 19, 2, 6, -1, -1, 18, 13, -1]},
    {"Taxon": "Portuguese",     "Segments": [51, 31, 8, 2, 46, -1, -1, 18, 13, -1]},
    {"Taxon": "Catalan",        "Segments": [7, 24, 15, 2, 12, -1, -1, 18, -1, -1]}
  ]},
  {"Name": "Red-Rubeus", "Data": [
    {"Taxon": "Latin",          "Segments": [15, 13, -1, 7, 6, 13, 33]},
    {"Taxon": "French",         "Segments": [19, 13, -1, 79, -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, 69, 6, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [15, 23, -1, 30, -1, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [15, 70, -1, 7, -1, -1, -1]}
  ]},
  {"Name": "Green-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [47, 3, 15, 3, 21, 6, 2]},
    {"Taxon": "French",         "Segments": [51, 12, 19, -1, -1, -1, -1]},
    {"Taxon": "Spanish",        "Segments": [7, 6, 8, -1, 21, 6, -1]},
    {"Taxon": "Italian",        "Segments": [51, 6, 15, -1, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 8, -1, 21, 31, -1]},
    {"Taxon": "Portuguese",     "Segments": [51, 6, 8, -1, 21, 31, -1]},
    {"Taxon": "Catalan",        "Segments": [51, 12, 8, -1, 26, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [51, 6, 15, -1, -1, -1, -1]},
    {"Taxon": "Friulian",       "Segments": [51, 12, 15, -1, 26, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [51, 6, 8, -1, 21, 6, -1]}
  ]},
  {"Name": "Yellow-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [64, 5, 14, 7, 3, 4, 13, 33]},
    {"Taxon": "French",         "Segments": [79, 17, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Walloon",        "Segments": [69, 12, -1, -1, -1, 4, -1, -1]},
    {"Taxon": "Romanian",       "Segments": [64, 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, 68, 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": "White-Primary", "Data": [
    {"Taxon": "Latin",          "Segments": [5, 14, 7, 13, 33]},

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{"Taxon": "Spanish",           "Segments": [5, 14, 7, 17, -1]},
{"Taxon": "PortugueseBrazil", "Segments": [5, 47, 51, 13, -1]},
{"Taxon": "Portuguese",        "Segments": [5, 14, 51, 13, -1]},
{"Taxon": "Catalan",           "Segments": [5, 14, 7, -1, -1]},
{"Taxon": "Romanian",          "Segments": [5, 14, 7, -1, -1]}
}],
{"Name": "Black-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [4, -1, 3, 64, 15, 13, 2]},
  {"Taxon": "French",          "Segments": [4, 47, 5, -1, 19, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [4, 6, 81, 8, 17, -1, -1]},
  {"Taxon": "Italian",         "Segments": [4, 6, -1, 15, 17, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [4, 6, 64, 8, 13, -1, -1]},
  {"Taxon": "Portuguese",      "Segments": [4, 6, 64, 8, 13, -1, -1]},
  {"Taxon": "Catalan",         "Segments": [4, 12, 81, 8, 24, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [4, 73, -1, 15, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [4, 6, -1, 15, 3, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [4, 6, 64, 8, 13, -1, -1]}
}],
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  {"Taxon": "Spanish",         "Segments": [34, 8, 10, 6, 26, 17]},
  {"Taxon": "PortugueseBrazil", "Segments": [34, 8, -1, 6, 26, 13]},
  {"Taxon": "Portuguese",      "Segments": [34, 8, -1, 6, 26, 13]}
}],
{"Name": "One-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [61, 4, 13, 33]},
  {"Taxon": "French",          "Segments": [86, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [13, 4, 17, -1]},
  {"Taxon": "Italian",         "Segments": [13, 4, 17, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [83, -1, -1, -1]},
  {"Taxon": "Portuguese",      "Segments": [83, -1, -1, -1]},
  {"Taxon": "Catalan",         "Segments": [13, 4, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [48, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [13, 72, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [13, 4, 13, -1]}
}],
{"Name": "Two-Duos", "Data": [
  {"Taxon": "Latin",           "Segments": [21, 13, 38, 33]},
  {"Taxon": "French",          "Segments": [21, -1, 73, -1]},
  {"Taxon": "Spanish",         "Segments": [21, -1, 17, 33]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, -1, 70, 33]},
  {"Taxon": "Portuguese",      "Segments": [21, -1, 70, 36]},
  {"Taxon": "Catalan",         "Segments": [21, -1, 17, 33]},
  {"Taxon": "Walloon",         "Segments": [21, -1, 87, 33]},
  {"Taxon": "Friulian",        "Segments": [21, -1, 70, -1]},
  {"Taxon": "Romanian",        "Segments": [21, -1, 70, -1]}
}],
{"Name": "Two-Duae", "Data": [
  {"Taxon": "Latin",           "Segments": [21, 13, -1, 43]},
  {"Taxon": "Italian",         "Segments": [21, 13, -1, 6]},
  {"Taxon": "Romanian",        "Segments": [21, 17, 47, 24]}
}],
{"Name": "Two-Duas", "Data": [
  {"Taxon": "Latin",           "Segments": [21, 13, 5, 33]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 13, 9, 33]},
  {"Taxon": "Portuguese",      "Segments": [21, 13, 9, 36]}
}],
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  {"Taxon": "Latin",           "Segments": [26, 15, -1, 1, 33]},
  {"Taxon": "French",          "Segments": [26, 19, 47, 60, -1]},
  {"Taxon": "Spanish",         "Segments": [26, 8, -1, 6, 33]},
  {"Taxon": "Italian",         "Segments": [26, 15, -1, 6, -1]},

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{"Taxon": "PortugueseBrazil", "Segments": [26, 8, -1, 6, 33]},
{"Taxon": "Portuguese", "Segments": [26, 8, -1, 6, 36]},
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{"Taxon": "Walloon", "Segments": [26, 15, -1, 73, 33]},
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```

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      "Taxon": "Portuguese",     "Segments": [39, -1, 42, -1, -1]},
      "Taxon": "Romanian",      "Segments": [30, -1, 3, 4, 6]}
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},
{
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      "Taxon": "Italian",       "Segments": [39, -1, 6, -1]},
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      "Taxon": "Portuguese",     "Segments": [39, -1, 31, -1]},
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      "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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},
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      "Taxon": "Portuguese",     "Segments": [39, 47, 29, -1, 21, 13]},
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      "Taxon": "Walloon",       "Segments": [4, 48, -1]},
      "Taxon": "Friulian",      "Segments": [4, 17, -1]},
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}
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  {"Taxon": "PortugueseBrazil", "Segments": [5, -1]},
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```

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  ]}
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}

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