Appendix 1 - Tongue Twister Configuration

```
{
  "Tree": "(Latin,(Romanian,(((Walloon,French),(((Portuguese,PortugueseBrazil),Spanish),
Catalan)),(Friulian,Italian)))));",
  "NumberOfStates": 91,
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  "UseEigenSystem": "No",
  "NumCycles": 1000000,
  "PrintFreq": 10,
  "SampleFreq": 100,
  "TreeLengthPriorVal": 0.15
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"Walloon", "Friulian", "Romanian"],
  "PriorFrequencies": [2.762681,2.581522,0.951087,0.724638,0.996377,0.090580,2.717391,
4.166667,3.713768,1.585145,0.045290,0.679348,4.076087,3.532609,3.034420,3.985507,0.045290,
1.675725,0.045290,1.222826,2.853261,3.079710,1.313406,0.271739,2.083333,1.992754,0.951087,
4.347826,3.894928,1.177536,0.090580,0.135870,1.675725,3.079710,1.992754,0.860507,0.226449,
0.226449,1.449275,1.902174,0.045290,0.090580,0.815217,0.045290,0.045290,0.724638,0.045290,
3.894928,1.358696,0.226449,4.076087,0.045290,1.358696,0.045290,0.045290,0.181159,0.045290,
0.045290,0.498188,2.536232,0.362319,0.045290,0.634058,0.045290,0.498188,0.452899,0.045290,
0.317029,0.090580,0.045290,0.452899,0.271739,2.853261,0.362319,0.045290,0.135870,0.045290,
0.045290,0.045290,0.135870,0.498188,0.543478,0.634058,0.543478,0.090580,0.452899,0.724638,
0.452899,0.045290,0.045290,0.634058],
  "PartitionSets": [{"Name": "e", "Set": [0, 26]},{"Name": "i", "Set": [7, 38]},{"Name": "a", "Set
": [28, 52]},{"Name": "u", "Set": [15, 22]},{"Name": "o", "Set": [2, 6]},{"Name": "ɔ", "Set": [9,
85]},{"Name": "ε", "Set": [32, 80]},{"Name": "ø", "Set": [75, 84]},{"Name": "Nasal Vowel", "Set":
[41, 42, 43, 46, 53, 58, 60, 61, 64, 73, 86, 89]},{"Name": "Vowel", "Set": [4, 11, 16, 18, 23, 30,
31, 40, 45, 54, 56, 57, 63, 67, 69, 74, 76, 78, 90]},{"Name": "Nasal Consonant", "Set": [13, 27,
39, 72, 88]},{"Name": "Non Sylabic Sonorant", "Set": [8, 12, 33, 34]},{"Name": "Consonant", "Set":
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66, 68, 70, 71, 77, 79, 81, 82, 83, 87]}],
  "Words": [
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    {"Taxon": "Spanish",          "Segments": [5, -1, -1, 6]},
    {"Taxon": "Italian",          "Segments": [-1, 7, -1, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 0, -1, 8]},
    {"Taxon": "Portuguese",       "Segments": [-1, 0, -1, 8]},
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    {"Taxon": "Walloon",          "Segments": [10, 11, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [12, -1, -1, 6]},
    {"Taxon": "Romanian",         "Segments": [12, 0, -1, 8]}
  ]},
  {"Name": "We-Primary", "Data": [
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    {"Taxon": "French",           "Segments": [13, 15, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [13, 6, -1, 14]},
    {"Taxon": "Italian",          "Segments": [13, 2, 7, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 16, -1, 14]},
    {"Taxon": "Portuguese",       "Segments": [13, 9, -1, 17]},
    {"Taxon": "Walloon",          "Segments": [13, 6, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [13, 2, -1, -1]},
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]},
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    {"Taxon": "French",             "Segments": [19, 15, -1, -1]},
    {"Taxon": "Spanish",            "Segments": [20, 6, -1, 14]},
    {"Taxon": "Italian",            "Segments": [19, 2, 7, -1]},
    {"Taxon": "PortugueseBrazil",   "Segments": [19, 16, 14, -1]},
    {"Taxon": "Portuguese",         "Segments": [19, 6, -1, 17]},
    {"Taxon": "Catalan",            "Segments": [20, 15, -1, 14]},
    {"Taxon": "Walloon",            "Segments": [19, 6, -1, 14]},
    {"Taxon": "Friulian",           "Segments": [19, 2, -1, -1]},
    {"Taxon": "Romanian",           "Segments": [19, 18, -1, -1]}
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    {"Taxon": "French",             "Segments": [21, 23]},
    {"Taxon": "Spanish",            "Segments": [21, 15]},
    {"Taxon": "Italian",            "Segments": [21, 15]},
    {"Taxon": "PortugueseBrazil",   "Segments": [21, 15]},
    {"Taxon": "Portuguese",         "Segments": [21, 15]},
    {"Taxon": "Catalan",            "Segments": [21, 15]},
    {"Taxon": "Walloon",            "Segments": [21, 23]},
    {"Taxon": "Friulian",           "Segments": [21, 15]},
    {"Taxon": "Romanian",           "Segments": [21, 15]}
]},
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    {"Taxon": "PortugueseBrazil",   "Segments": [19, 6, 14, -1, 0, -1]},
    {"Taxon": "Portuguese",         "Segments": [19, 9, 14, -1, 0, -1]},
    {"Taxon": "Catalan",            "Segments": [19, 6, 14, 21, 0, -1]}
]},
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    {"Taxon": "Latin",              "Segments": [25, 26, -1, 27, 7, -1, 13, -1, 28]},
    {"Taxon": "French",             "Segments": [25, 28, -1, 27, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",            "Segments": [-1, 0, -1, 27, -1, 20, 29, -1, 28]},
    {"Taxon": "Italian",            "Segments": [25, 0, 27, 27, 7, -1, 13, -1, 28]},
    {"Taxon": "PortugueseBrazil",   "Segments": [25, 0, -1, 27, 0, -1, -1, -1, 30]},
    {"Taxon": "Portuguese",         "Segments": [25, 0, -1, 27, 12, -1, -1, -1, 30]},
    {"Taxon": "Catalan",            "Segments": [25, 0, -1, 27, -1, 20, 29, -1, 28]},
    {"Taxon": "Walloon",            "Segments": [25, 31, -1, 27, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",           "Segments": [25, 32, -1, 27, 7, -1, 13, -1, 32]},
    {"Taxon": "Romanian",           "Segments": [25, 0, -1, 27, 0, -1, -1, 12, 0]}
]},
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    {"Taxon": "Latin",              "Segments": [27, 15, 33, 7, 0, 34, 0, 27]},
    {"Taxon": "Spanish",            "Segments": [27, 15, 35, -1, 0, 29, -1, -1]},
    {"Taxon": "Italian",            "Segments": [27, 6, 36, 36, 0, -1, -1, -1]},
    {"Taxon": "PortugueseBrazil",   "Segments": [27, 15, 36, -1, 0, 37, -1, -1]},
    {"Taxon": "Portuguese",         "Segments": [27, 15, 36, -1, 0, 29, -1, -1]},
    {"Taxon": "Catalan",            "Segments": [27, 15, 36, -1, 0, -1, -1, -1]},
    {"Taxon": "Friulian",           "Segments": [27, 15, -1, -1, 38, 34, -1, -1]},
    {"Taxon": "Romanian",           "Segments": [27, 15, -1, 12, 0, 34, 0, -1]}
]},
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    {"Taxon": "Latin",              "Segments": [24, 6, 27, 7, 13, 28]},
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    {"Taxon": "French",            "Segments": [24, 28, 27, -1, -1, -1]},
    {"Taxon": "Spanish",           "Segments": [24, 6, -1, -1, 39, 28]},
    {"Taxon": "Italian",           "Segments": [24, 9, 13, -1, 13, 28]},
    {"Taxon": "PortugueseBrazil",  "Segments": [24, 6, -1, -1, 13, 30]},
    {"Taxon": "Portuguese",        "Segments": [24, 6, -1, -1, 13, 30]},
    {"Taxon": "Catalan",           "Segments": [24, 9, -1, -1, 13, 4]},
    {"Taxon": "Walloon",           "Segments": [24, 28, 27, -1, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [24, 9, -1, -1, 13, 0]},
    {"Taxon": "Romanian",          "Segments": [24, 40, 27, -1, 13, 4]}
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    {"Taxon": "Spanish",           "Segments": [7, 13, 25, 28, 13, 21, 0, -1]},
    {"Taxon": "Italian",           "Segments": [-1, -1, 25, 28, 13, 21, 0, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [42, -1, 25, 43, -1, 44, 7, -1]},
    {"Taxon": "Portuguese",        "Segments": [42, -1, 25, 43, -1, 21, 45, -1]},
    {"Taxon": "Walloon",           "Segments": [32, -1, 25, 41, -1, -1, -1, -1]}
]},
{"Name": "Child-Ninnus", "Data": [
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    {"Taxon": "Italian",           "Segments": [13, 7, 13, 6]},
    {"Taxon": "PortugueseBrazil",  "Segments": [13, 0, 13, 46]},
    {"Taxon": "Portuguese",        "Segments": [13, 0, 13, 46]},
    {"Taxon": "Catalan",           "Segments": [13, 0, 13, -1]}
]},
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    {"Taxon": "French",            "Segments": [0, -1, 47, 15, -1, 48, -1]},
    {"Taxon": "Spanish",           "Segments": [0, 14, 47, 6, -1, 14, 28]},
    {"Taxon": "Italian",           "Segments": [-1, 14, 47, 9, -1, 48, 28]},
    {"Taxon": "PortugueseBrazil",  "Segments": [7, 14, 47, 6, -1, 48, 28]},
    {"Taxon": "Portuguese",        "Segments": [45, 17, 47, 6, -1, 48, 30]},
    {"Taxon": "Catalan",           "Segments": [4, 14, 47, 9, -1, 48, 4]}
]},
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    {"Taxon": "Spanish",           "Segments": [27, 28, 29, 7, 49, 6, -1]},
    {"Taxon": "Italian",           "Segments": [27, 28, 34, 7, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [27, 28, 29, 7, 24, 15, -1]},
    {"Taxon": "Portuguese",        "Segments": [27, 30, 29, 7, 49, 15, -1]},
    {"Taxon": "Catalan",           "Segments": [27, 28, 29, 7, 21, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [27, 28, 34, 38, 21, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [27, 4, 34, 7, 21, -1, -1]}
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    {"Taxon": "French",            "Segments": [0, -1, 47, 15, -1, -1, -1, -1]},
    {"Taxon": "Spanish",           "Segments": [0, 14, 47, 6, -1, 14, 6, -1]},
    {"Taxon": "Italian",           "Segments": [-1, 14, 47, 9, -1, 48, 6, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [7, 14, 47, 6, -1, 48, 15, -1]},
    {"Taxon": "Portuguese",        "Segments": [45, 17, 47, 6, -1, 48, 15, -1]},
    {"Taxon": "Catalan",           "Segments": [4, 14, 47, 9, -1, 14, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [-1, 14, 47, 2, -1, 14, -1, -1]}
]},
```

Appendix 1 - Tongue Twister Configuration

```
{"Name": "Husband-Socius", "Data": [
  {"Taxon": "Latin",            "Segments": [14, 6, 50, 7, 15, 14]},
  {"Taxon": "Italian",          "Segments": [14, 9, 44, -1, 6, -1]},
  {"Taxon": "Romanian",         "Segments": [14, 6, 51, -1, -1, -1]}
]},
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  {"Taxon": "French",           "Segments": [27, 0, -1, 37, -1, -1]},
  {"Taxon": "Spanish",          "Segments": [27, 28, 49, 29, 0, -1]},
  {"Taxon": "Italian",          "Segments": [27, 52, 24, 34, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [27, 53, -1, -1, -1, -1]},
  {"Taxon": "Portuguese",       "Segments": [27, 53, -1, -1, -1, -1]},
  {"Taxon": "Catalan",          "Segments": [27, 28, -1, 29, 4, -1]},
  {"Taxon": "Walloon",          "Segments": [27, 0, -1, 34, -1, -1]},
  {"Taxon": "Friulian",         "Segments": [27, 28, -1, 34, 7, -1]}
]},
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  {"Taxon": "French",           "Segments": [47, 0, -1, 37, -1]},
  {"Taxon": "Spanish",          "Segments": [47, 28, 49, 29, 0]},
  {"Taxon": "Italian",          "Segments": [47, 52, 24, 34, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [47, 54, -1, -1, -1]},
  {"Taxon": "Portuguese",       "Segments": [47, 54, -1, -1, -1]},
  {"Taxon": "Catalan",          "Segments": [47, 28, -1, 29, 4]},
  {"Taxon": "Walloon",          "Segments": [47, 32, -1, 34, -1]},
  {"Taxon": "Friulian",         "Segments": [47, 28, -1, 34, 7]}
]},
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  {"Taxon": "Spanish",          "Segments": [21, 28, 21, 28]},
  {"Taxon": "Italian",          "Segments": [21, 28, 21, 28]},
  {"Taxon": "PortugueseBrazil", "Segments": [21, 28, 21, 28]},
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  {"Taxon": "Romanian",         "Segments": [21, 28, 21, 4]}
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  {"Taxon": "Spanish",          "Segments": [28, 33, 7, 27, 28, 39, -1, 28]},
  {"Taxon": "Friulian",         "Segments": [-1, 13, 0, 27, 52, 33, -1, -1]},
  {"Taxon": "Romanian",         "Segments": [-1, 13, 4, 27, 28, -1, 12, 0]}
]},
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  {"Taxon": "Italian",          "Segments": [20, -1, 7, 17, 17, -1, 28]},
  {"Taxon": "PortugueseBrazil", "Segments": [20, -1, 7, -1, 17, -1, 30]},
  {"Taxon": "Portuguese",       "Segments": [20, -1, 7, -1, 17, -1, 30]},
  {"Taxon": "Walloon",          "Segments": [20, 7, 32, 14, -1, -1, -1]},
  {"Taxon": "Friulian",         "Segments": [20, -1, 7, 14, -1, -1, -1]}
]},
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  {"Taxon": "Spanish",          "Segments": [47, 0, 55, -1, -1, -1]},
  {"Taxon": "Italian",          "Segments": [47, 0, 17, 17, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [47, 56, 17, -1, 7, -1]},
  {"Taxon": "Portuguese",       "Segments": [47, 57, 17, -1, 45, -1]},
```

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      {"Taxon": "Catalan",          "Segments": [47, 0, 17, -1, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [47, 32, 14, -1, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [47, 0, 17, 21, 0, -1]}
  ]},
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      {"Taxon": "Walloon",          "Segments": [47, -1, 32, 59, 58]}
  ]},
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      {"Taxon": "Latin",            "Segments": [28, 8, 0, 27]},
      {"Taxon": "Spanish",          "Segments": [28, 20, 0, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [28, 19, 7, -1]},
      {"Taxon": "Portuguese",       "Segments": [28, 19, 45, -1]},
      {"Taxon": "Catalan",          "Segments": [28, 8, -1, -1]}
  ]},
  {"Name": "Bird-Avicellum", "Data": [
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      {"Taxon": "French",           "Segments": [8, 28, -1, -1, -1, 48, -1, 6, -1, -1, -1, -1]},
      {"Taxon": "Italian",          "Segments": [-1, -1, 15, -1, 21, 44, -1, 32, 33, 33, 6, -1]},
      {"Taxon": "Catalan",          "Segments": [-1, -1, 15, -1, -1, 14, -1, 0, -1, 36, -1, -1]},
      {"Taxon": "Walloon",          "Segments": [-1, -1, 15, -1, -1, 59, -1, 32, -1, -1, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [-1, -1, 15, -1, -1, 44, 12, 32, -1, 33, -1, -1]}
  ]},
  {"Name": "Bird-Passerem", "Data": [
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      {"Taxon": "Spanish",          "Segments": [47, 28, -1, 35, 28, 29, 6, -1]},
      {"Taxon": "Italian",          "Segments": [47, 28, 14, 14, 0, 34, 6, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [47, 28, -1, 14, 30, 29, 15, -1]},
      {"Taxon": "Portuguese",       "Segments": [47, 28, -1, 14, 30, 29, 15, -1]},
      {"Taxon": "Romanian",         "Segments": [47, 28, -1, 14, 4, 29, 0, -1]}
  ]},
  {"Name": "Dog-Primary", "Data": [
      {"Taxon": "Latin",            "Segments": [50, -1, 28, 13, 0, 27]},
      {"Taxon": "French",           "Segments": [17, 12, 60, -1, -1, -1]},
      {"Taxon": "Spanish",          "Segments": [50, -1, 28, 13, -1, -1]},
      {"Taxon": "Italian",          "Segments": [50, -1, 28, 13, 0, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [50, -1, 61, -1, -1, -1]},
      {"Taxon": "Portuguese",       "Segments": [50, -1, 61, -1, -1, -1]},
      {"Taxon": "Catalan",          "Segments": [50, -1, 28, -1, -1, -1]},
      {"Taxon": "Walloon",          "Segments": [44, -1, 60, -1, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [62, -1, 28, 13, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [50, -1, 63, 13, 0, -1]}
  ]},
  {"Name": "Louse-Primary", "Data": [
      {"Taxon": "Latin",            "Segments": [47, -1, 0, 24, 15, -1, 50, 33, 15, 14]},
      {"Taxon": "French",           "Segments": [47, -1, 15, -1, -1, -1, -1, -1, -1, -1]},
      {"Taxon": "Spanish",          "Segments": [47, 12, 6, -1, -1, -1, 35, -1, 6, -1]},
      {"Taxon": "Italian",          "Segments": [47, -1, 7, 24, 9, 50, 50, 12, 6, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [47, -1, 7, -1, 6, -1, 36, 15, -1, -1]},
      {"Taxon": "Portuguese",       "Segments": [47, -1, 7, -1, 6, -1, 36, 15, -1, -1]},
      {"Taxon": "Catalan",          "Segments": [47, -1, 6, -1, -1, -1, 36, -1, -1, -1]},
      {"Taxon": "Walloon",          "Segments": [47, 12, 15, -1, -1, -1, -1, -1, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [47, -1, 0, 24, 6, -1, 33, 7, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [47, -1, 4, 24, 15, -1, 50, 12, 0, -1]}
  ]},
  {"Name": "Snake-Primary", "Data": [
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    {"Taxon": "Latin",          "Segments": [14, -1, 0, 34, 47, -1, 0, 13, 21, 0, 27]},
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    {"Taxon": "Spanish",        "Segments": [14, -1, 0, 29, 47, 12, 0, 13, 21, 0, -1]},
    {"Taxon": "Italian",        "Segments": [14, -1, 0, 34, 47, -1, 0, 13, 21, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, -1, 0, 37, 47, -1, 64, -1, 44, 7, -1]},
    {"Taxon": "Portuguese",     "Segments": [14, -1, 45, 29, 47, -1, 64, -1, 21, 45, -1]},
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    {"Taxon": "Walloon",        "Segments": [14, 12, 32, 34, 47, -1, 64, -1, -1, -1, -1]},
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  {"Taxon": "French",          "Segments": [0, -1, 47, 6, -1, -1, 33, -1]},
  {"Taxon": "Spanish",         "Segments": [0, 14, 47, 28, 33, -1, 24, 28]},
  {"Taxon": "Italian",         "Segments": [-1, 14, 47, 28, 33, -1, 33, 28]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, 17, 47, 28, 24, 8, -1, 30]},
  {"Taxon": "Portuguese",      "Segments": [7, 17, 47, 28, 24, 8, -1, 30]},
  {"Taxon": "Catalan",         "Segments": [4, 14, 47, 28, 36, -1, 36, 4]},
  {"Taxon": "Walloon",         "Segments": [-1, 14, 47, 28, -1, -1, 33, -1]},
  {"Taxon": "Friulian",        "Segments": [-1, 14, 47, 28, -1, -1, 33, 32]},
  {"Taxon": "Romanian",        "Segments": [-1, 14, 47, 28, 21, -1, -1, 0]}
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  {"Taxon": "French",          "Segments": [14, 64, -1, -1, -1]},
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  {"Taxon": "Portuguese",      "Segments": [14, 57, -1, 15, -1]},
  {"Taxon": "Catalan",         "Segments": [14, 7, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [14, 0, 13, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [14, 28, 13, -1, -1]}
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  {"Taxon": "Spanish",         "Segments": [47, -1, 0, -1, 44, 6, -1]},
  {"Taxon": "Italian",         "Segments": [47, -1, 32, 21, 21, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [47, -1, 56, -1, 21, 15, -1]},
  {"Taxon": "Portuguese",      "Segments": [47, -1, 57, -1, 21, 15, -1]},
  {"Taxon": "Catalan",         "Segments": [47, -1, 7, -1, 21, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [47, -1, 32, -1, 21, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [47, 12, 0, 47, 21, -1, -1]}
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Appendix 1 - Tongue Twister Configuration

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  {"Taxon": "PortugueseBrazil", "Segments": [50, -1, 9, 37, -1]},
  {"Taxon": "Portuguese",      "Segments": [50, -1, 6, 29, -1]},
  {"Taxon": "Catalan",         "Segments": [50, -1, 9, 34, -1]},
  {"Taxon": "Walloon",         "Segments": [50, -1, 15, 37, -1]},
  {"Taxon": "Friulian",        "Segments": [50, -1, 22, 34, -1]}
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  {"Taxon": "Spanish",         "Segments": [28, 33, -1, 27, 28]},
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  {"Taxon": "Portuguese",      "Segments": [28, 33, -1, 27, 30]},
  {"Taxon": "Walloon",         "Segments": [67, -1, -1, 27, -1]},
  {"Taxon": "Friulian",        "Segments": [28, 13, 7, 27, 0]},
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  {"Taxon": "French",          "Segments": [25, 8, 67, -1, -1, -1, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [-1, -1, 7, 82, 28, 49, 6, -1]},
  {"Taxon": "Italian",         "Segments": [25, -1, 0, 1, 28, 21, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [25, -1, 7, 1, 30, 24, 15, -1]},
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  {"Taxon": "Catalan",         "Segments": [25, -1, 0, 10, 4, -1, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [25, -1, 31, -1, -1, 21, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [25, -1, 7, 12, 52, 21, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [25, -1, 7, 50, 28, 21, -1, -1]}
]},
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  {"Taxon": "Spanish",         "Segments": [14, 6, 33, -1, -1]},
  {"Taxon": "Italian",         "Segments": [14, 6, 33, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 9, 8, -1, -1]},
  {"Taxon": "Portuguese",      "Segments": [14, 9, 66, -1, -1]},
  {"Taxon": "Catalan",         "Segments": [14, 9, 33, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [14, 40, 29, 0, -1]}
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  {"Taxon": "French",          "Segments": [14, 9, 33, 78, -1, -1, -1, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [14, 9, 33, 9, -1, -1, -1, -1, -1]},
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  {"Taxon": "French",          "Segments": [33, 23, 13, -1]},
  {"Taxon": "Spanish",         "Segments": [33, 15, 13, 28]},
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    {"Taxon": "PortugueseBrazil", "Segments": [33, 15, -1, 30]},
    {"Taxon": "Portuguese",       "Segments": [33, 15, -1, 30]},
    {"Taxon": "Catalan",          "Segments": [36, 15, 13, 4]},
    {"Taxon": "Walloon",          "Segments": [33, 75, 13, -1]},
    {"Taxon": "Friulian",         "Segments": [33, 15, 13, 0]},
    {"Taxon": "Romanian",         "Segments": [33, 15, 13, 4]}
  ]},
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    {"Taxon": "Spanish",          "Segments": [0, 14, 21, 29, 0, -1, 5, 28]},
    {"Taxon": "Italian",          "Segments": [-1, 14, 21, -1, 0, 33, 33, 28]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 21, 29, 0, -1, 33, 30]},
    {"Taxon": "Portuguese",       "Segments": [45, 17, 21, 29, 0, -1, 33, 30]},
    {"Taxon": "Catalan",          "Segments": [4, 14, 21, -1, 32, -1, 33, -1]},
    {"Taxon": "Walloon",          "Segments": [-1, 14, 21, -1, 31, -1, 33, -1]},
    {"Taxon": "Friulian",         "Segments": [-1, 14, 21, -1, 32, -1, 33, 0]},
    {"Taxon": "Romanian",         "Segments": [-1, 14, 21, -1, 76, -1, -1, -1]}
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    {"Taxon": "Italian",          "Segments": [28, 50, 50, 8, 28]},
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    {"Taxon": "Portuguese",       "Segments": [28, -1, 1, 8, 30]},
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    {"Taxon": "Walloon",          "Segments": [32, -1, -1, 8, -1]},
    {"Taxon": "Friulian",         "Segments": [28, -1, 1, -1, 0]},
    {"Taxon": "Romanian",         "Segments": [28, -1, 47, -1, 4]}
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    {"Taxon": "Portuguese",       "Segments": [17, -1, 15, -1, 19, -1, 30]},
    {"Taxon": "Catalan",          "Segments": [47, 33, 15, -1, 3, -1, 4]},
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    {"Taxon": "Friulian",         "Segments": [47, 33, 6, -1, -1, 12, 0]},
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    {"Taxon": "Spanish",          "Segments": [34, 7, -1, 6, -1]},
    {"Taxon": "Italian",          "Segments": [34, 7, -1, 6, -1]},
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      {"Taxon": "Portuguese",       "Segments": [37, 7, -1, 15, -1]},
      {"Taxon": "Catalan",          "Segments": [34, 7, -1, 8, -1]},
      {"Taxon": "Walloon",          "Segments": [34, 32, -1, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [34, 45, -1, 8, -1]}
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      {"Taxon": "French",           "Segments": [37, 7, 19, 12, 0, 37, -1, -1]},
      {"Taxon": "Walloon",          "Segments": [34, 7, 19, 38, -1, 34, -1, -1]}
  ]},
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      {"Taxon": "French",           "Segments": [33, 28, 50, -1, -1]},
      {"Taxon": "Spanish",          "Segments": [33, 28, 1, 6, -1]},
      {"Taxon": "Italian",          "Segments": [33, 28, 1, 6, -1]},
      {"Taxon": "PortugueseBrazil", "Segments": [33, 28, 1, 15, -1]},
      {"Taxon": "Portuguese",       "Segments": [33, 28, 82, 15, -1]},
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      {"Taxon": "Walloon",          "Segments": [33, 28, 50, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [33, 52, 21, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [33, 28, 50, -1, -1]}
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      {"Taxon": "Spanish",          "Segments": [27, 28, 29, -1]},
      {"Taxon": "Italian",          "Segments": [27, 28, 34, 0]},
      {"Taxon": "PortugueseBrazil", "Segments": [27, 28, 37, -1]},
      {"Taxon": "Portuguese",       "Segments": [27, 28, 29, -1]},
      {"Taxon": "Catalan",          "Segments": [27, 28, 34, -1]},
      {"Taxon": "Walloon",          "Segments": [27, 0, 34, -1]},
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      {"Taxon": "Romanian",         "Segments": [27, 28, 34, 0]}
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      {"Taxon": "Portuguese",       "Segments": [14, 28, 33, -1, -1]},
      {"Taxon": "Catalan",          "Segments": [14, 28, 33, -1, -1]},
      {"Taxon": "Walloon",          "Segments": [14, 0, -1, -1, -1]},
      {"Taxon": "Friulian",         "Segments": [14, 52, 33, -1, -1]},
      {"Taxon": "Romanian",         "Segments": [14, 28, 34, 0, -1]}
  ]},
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      {"Taxon": "PortugueseBrazil", "Segments": [14, 56, -1, 17, 15, -1]},
      {"Taxon": "Portuguese",       "Segments": [14, 57, -1, 17, 15, -1]}
  ]},
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      {"Taxon": "French",           "Segments": [47, 12, 0, -1, 37, -1]},
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    {"Taxon": "Italian",          "Segments": [47, 12, 26, 21, 34, 28]},
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    {"Taxon": "Portuguese",       "Segments": [47, -1, 32, 49, 29, 30]},
    {"Taxon": "Catalan",          "Segments": [47, -1, 0, 49, 29, 4]},
    {"Taxon": "Walloon",          "Segments": [47, -1, 7, -1, 37, -1]},
    {"Taxon": "Friulian",         "Segments": [47, 12, 26, -1, 34, 0]},
    {"Taxon": "Romanian",         "Segments": [47, 12, 28, 21, 29, 4]}
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    {"Taxon": "PortugueseBrazil", "Segments": [-1, 28, 29, 56, -1, 30]},
    {"Taxon": "Portuguese",       "Segments": [-1, 30, 29, 57, -1, 30]},
    {"Taxon": "Catalan",          "Segments": [-1, 4, 29, 0, 13, 4]},
    {"Taxon": "Walloon",          "Segments": [-1, 28, 34, 32, 13, -1]},
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  ]},
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    {"Taxon": "PortugueseBrazil", "Segments": [14, 54, 65, -1, 29, 15, -1]},
    {"Taxon": "Portuguese",       "Segments": [14, 54, 65, -1, 29, 15, -1]},
    {"Taxon": "Catalan",          "Segments": [14, 6, -1, -1, 34, 4, -1]},
    {"Taxon": "Walloon",          "Segments": [14, 67, 19, -1, 12, 73, -1]},
    {"Taxon": "Friulian",         "Segments": [14, 28, 19, 28, 33, 9, 13]}
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    {"Taxon": "Italian",          "Segments": [14, 28, 20, 20, -1, 12, 28]}
  ]},
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    {"Taxon": "French",           "Segments": [47, 15, 24, -1, -1, 37, -1, -1]},
    {"Taxon": "Italian",          "Segments": [47, 6, 33, 19, 0, 34, 0, -1]},
    {"Taxon": "Friulian",         "Segments": [47, 9, 33, 19, 28, 34, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [47, 15, 33, 20, 0, 34, 0, -1]}
  ]},
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    {"Taxon": "Portuguese",       "Segments": [47, 9, -1, -1, -1, -1]},
    {"Taxon": "Catalan",          "Segments": [47, 6, 33, -1, -1, 14]}
  ]},
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    {"Taxon": "Spanish",          "Segments": [21, 12, 0, -1, 34, 28]},
    {"Taxon": "Italian",          "Segments": [21, -1, 32, 34, 34, 28]},
    {"Taxon": "PortugueseBrazil", "Segments": [21, -1, 0, -1, 37, 30]},
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    {"Taxon": "Catalan",          "Segments": [21, -1, 32, -1, 34, 4]},
    {"Taxon": "Walloon",          "Segments": [21, -1, 0, -1, 37, -1]},
    {"Taxon": "Friulian",         "Segments": [21, 12, 32, -1, 34, 0]},
    {"Taxon": "Romanian",         "Segments": [51, -1, 28, -1, 34, 4]}
]},
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    {"Taxon": "French",           "Segments": [13, 23, -1, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [13, 15, 20, 0, -1]},
    {"Taxon": "Italian",          "Segments": [13, 15, 20, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 15, 19, 46, -1]},
    {"Taxon": "Portuguese",       "Segments": [13, 15, 19, 53, -1]}
]},
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    {"Taxon": "Catalan",          "Segments": [13, 15, 19, 6, 33, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [13, 22, -1, -1, 33, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [13, 6, -1, -1, 34, -1, -1]}
]},
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    {"Taxon": "Spanish",          "Segments": [50, 28, 33, 7, -1, -1, 13, 28, -1]},
    {"Taxon": "Italian",          "Segments": [50, 28, 33, 7, 10, 7, 13, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [50, 28, 33, 7, 3, 46, -1, -1, -1]},
    {"Taxon": "Portuguese",       "Segments": [50, 30, 33, 7, 3, 53, -1, -1, -1]}
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    {"Taxon": "Italian",          "Segments": [13, -1, 0, 20, 20, -1, 12, 28]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 32, -1, 19, 8, -1, 30]},
    {"Taxon": "Portuguese",       "Segments": [13, -1, 32, -1, 19, 8, -1, 30]},
    {"Taxon": "Catalan",          "Segments": [13, -1, 0, -1, -1, 8, 33, 4]},
    {"Taxon": "Walloon",          "Segments": [13, 12, 23, -1, -1, -1, 33, -1]},
    {"Taxon": "Romanian",         "Segments": [13, -1, 0, -1, 1, 15, 34, 4]}
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    {"Taxon": "French",            "Segments": [14, 12, 0, -1, -1, -1, -1]},
    {"Taxon": "Spanish",           "Segments": [14, -1, 0, 1, 28, 29, -1]},
    {"Taxon": "Italian",           "Segments": [14, -1, 0, 1, 28, 34, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [14, -1, 0, 1, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [14, -1, 45, 82, 28, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [14, -1, 4, 82, 28, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [14, -1, 0, -1, 52, -1, -1]}
  ]},
  {"Name": "ToCut-Curtare", "Data": [
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    {"Taxon": "Spanish",           "Segments": [50, 6, 29, 21, 28, 29, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [50, 6, 37, 21, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [50, 15, 29, 21, 28, 29, -1]}
  ]},
  {"Name": "ToCut-Excurtare", "Data": [
    {"Taxon": "Latin",             "Segments": [0, 50, 14, 50, 15, 34, 21, 52, 34, 0]},
    {"Taxon": "French",            "Segments": [0, -1, -1, 50, 15, 37, 21, 0, -1, -1]},
    {"Taxon": "Italian",           "Segments": [-1, -1, 14, 50, 6, 34, 21, 28, 34, 0]},
    {"Taxon": "Friulian",          "Segments": [-1, -1, 14, 50, 15, 34, 21, 52, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [-1, -1, 14, 50, 15, 34, 21, 28, -1, -1]}
  ]},
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    {"Taxon": "French",            "Segments": [21, 67, 12, -1, -1, 0, -1, -1]},
    {"Taxon": "Spanish",           "Segments": [21, 28, -1, 35, -1, 28, 29, -1]},
    {"Taxon": "Italian",           "Segments": [21, 28, -1, 36, 36, 52, 34, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [21, 28, -1, 36, -1, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [21, 30, -1, 36, -1, 28, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [21, 4, -1, 36, -1, 28, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [21, 32, -1, -1, 12, 38, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [21, 28, -1, -1, 12, 52, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [21, 4, -1, -1, 12, 28, -1, -1]}
  ]},
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    {"Taxon": "Spanish",           "Segments": [24, 7, 20, 7, 24, 7, 29, -1]},
    {"Taxon": "Italian",           "Segments": [24, 7, 19, 7, 24, 0, 34, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [10, 7, 19, 7, 10, 7, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [24, 7, 19, 7, 49, 7, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [24, 7, 20, 7, 24, 7, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [24, 7, 19, 7, 24, 7, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [24, 7, 19, 7, 24, 0, -1, -1]}
  ]},
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    {"Taxon": "French",            "Segments": [14, -1, 60, -1, 24, 0, -1, -1]},
    {"Taxon": "Italian",           "Segments": [17, -1, 7, 13, 24, 0, 34, 0]}
  ]},
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    {"Taxon": "Latin",             "Segments": [25, 7, 13, 24, 0, 34, 0]},
    {"Taxon": "French",            "Segments": [25, 41, -1, 24, -1, 37, -1]},
```

Appendix 1 - Tongue Twister Configuration

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    {"Taxon": "Spanish",          "Segments": [-1, 0, 13, 24, 0, 29, -1]},
    {"Taxon": "Italian",          "Segments": [25, 32, 13, 24, 0, 34, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [25, 64, -1, 24, 0, 37, -1]},
    {"Taxon": "Portuguese",       "Segments": [25, 64, -1, 24, 0, 29, -1]},
    {"Taxon": "Catalan",          "Segments": [25, 32, 13, 24, -1, 29, 4]},
    {"Taxon": "Walloon",          "Segments": [25, 60, -1, 21, -1, -1, -1]}
]},
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    {"Taxon": "French",           "Segments": [47, 28, 37, 21, 7, 37, -1]},
    {"Taxon": "Spanish",          "Segments": [47, 28, 29, 21, 7, 29, -1]},
    {"Taxon": "Italian",          "Segments": [47, 28, 34, 21, 7, 34, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [47, 28, 37, 44, 7, 37, -1]},
    {"Taxon": "Portuguese",       "Segments": [47, 30, 29, 21, 7, 29, -1]},
    {"Taxon": "Catalan",          "Segments": [47, 4, 34, 21, 7, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [47, 85, 77, 21, 7, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [47, 28, 34, 21, 38, -1, -1]}
]},
{"Name": "ToSplit-Separare", "Data": [
    {"Taxon": "Latin",            "Segments": [14, 26, 47, 28, 34, 52, 34, 0]},
    {"Taxon": "French",           "Segments": [14, 4, 19, -1, -1, -1, 37, 0]},
    {"Taxon": "Spanish",          "Segments": [14, 0, 47, 28, 29, 28, 29, -1]},
    {"Taxon": "Italian",          "Segments": [14, 0, 47, 28, 34, 28, 34, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 0, 47, 28, 29, 28, 37, -1]},
    {"Taxon": "Portuguese",       "Segments": [14, 45, 47, 30, 29, 28, 29, -1]},
    {"Taxon": "Catalan",          "Segments": [14, 4, 47, 4, 29, 28, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [14, 0, 47, 28, 34, 52, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [14, 0, 47, 28, 34, 28, -1, -1]}
]},
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    {"Taxon": "Latin",            "Segments": [47, -1, 15, 13, 1, 0, 34, 0]},
    {"Taxon": "French",           "Segments": [47, 8, 60, -1, 24, -1, 37, -1]},
    {"Taxon": "Italian",          "Segments": [47, -1, 15, 13, 10, 0, 34, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [47, -1, 86, -1, 3, 7, 37, -1]},
    {"Taxon": "Portuguese",       "Segments": [47, -1, 86, -1, 3, 7, 29, -1]},
    {"Taxon": "Catalan",          "Segments": [47, -1, 15, 39, -1, 7, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [47, -1, 15, 13, 10, 0, -1, -1]}
]},
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    {"Taxon": "French",           "Segments": [3, 23, 1, 23, 33, 0, -1, -1]},
    {"Taxon": "Italian",          "Segments": [12, 15, 1, 15, 33, 52, 34, 0]}
]},
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    {"Taxon": "Italian",          "Segments": [34, 28, 24, 0, 34, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [37, 28, -1, 0, 37, -1]},
    {"Taxon": "Portuguese",       "Segments": [37, 30, -1, 0, 29, -1]},
    {"Taxon": "Catalan",          "Segments": [34, 28, 8, -1, 29, 4]},
    {"Taxon": "Friulian",         "Segments": [34, 28, 24, 52, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [34, 28, 24, 0, -1, -1]}
]},
{"Name": "ToScratch-Rasare", "Data": [
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    {"Taxon": "Spanish",          "Segments": [34, 28, 14, 28, 29, -1]},
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        {"Taxon": "PortugueseBrazil", "Segments": [37, 28, 48, 28, 37, -1]},
        {"Taxon": "Portuguese",       "Segments": [37, 30, 48, 28, 29, -1]},
        {"Taxon": "Catalan",          "Segments": [34, 4, 48, 28, -1, -1]},
        {"Taxon": "Friulian",         "Segments": [34, 28, 14, 52, -1, -1]}
    ]},
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        {"Taxon": "PortugueseBrazil", "Segments": [37, 28, 17, 50, 28, 37]},
        {"Taxon": "Portuguese",       "Segments": [37, 30, 17, 50, 28, 29]},
        {"Taxon": "Catalan",          "Segments": [34, 4, 14, 50, 28, -1]}
    ]},
    {"Name": "ToScratch-Coctiare", "Data": [
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        {"Taxon": "Portuguese",       "Segments": [50, 15, 14, 28, 29]}
    ]},
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        {"Taxon": "French",           "Segments": [25, 8, 7, -1, -1, 37, -1]}
    ]},
    {"Name": "ToDig-Cavare", "Data": [
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        {"Taxon": "French",           "Segments": [17, 4, 19, 0, -1, -1]},
        {"Taxon": "Spanish",          "Segments": [50, 28, 20, 28, 29, -1]},
        {"Taxon": "Italian",          "Segments": [50, 28, 19, 28, 34, 0]},
        {"Taxon": "PortugueseBrazil", "Segments": [50, 30, 19, 28, 37, -1]},
        {"Taxon": "Portuguese",       "Segments": [50, 30, 19, 28, 29, -1]},
        {"Taxon": "Catalan",          "Segments": [50, 4, 20, 28, -1, -1]},
        {"Taxon": "Friulian",         "Segments": [81, 28, 19, 52, -1, -1]}
    ]},
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        {"Taxon": "Spanish",          "Segments": [0, -1, 14, 50, 28, 20, 28, 29, -1]},
        {"Taxon": "Italian",          "Segments": [-1, -1, 14, 50, 28, 19, 28, 34, 0]},
        {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 17, 50, 30, 19, 28, 37, -1]},
        {"Taxon": "Portuguese",       "Segments": [7, -1, 17, 50, 30, 19, 28, 29, -1]},
        {"Taxon": "Friulian",         "Segments": [-1, -1, 48, 81, 28, 19, 52, -1, -1]}
    ]},
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        {"Taxon": "Spanish",          "Segments": [13, -1, 28, 24, 28, 29, -1]},
        {"Taxon": "Italian",          "Segments": [13, 8, 6, 21, 28, 29, 0]},
        {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 28, 24, 28, 37, -1]},
        {"Taxon": "Portuguese",       "Segments": [13, -1, 30, 49, 28, 29, -1]},
        {"Taxon": "Catalan",          "Segments": [13, -1, 4, 24, 28, -1, -1]},
        {"Taxon": "Friulian",         "Segments": [13, -1, 28, 24, 52, -1, -1]}
    ]},
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        {"Taxon": "French",           "Segments": [13, 28, -1, -1, 3, 0, -1, -1]},
        {"Taxon": "Spanish",          "Segments": [13, 28, 20, 0, 1, 28, 29, -1]},
        {"Taxon": "Italian",          "Segments": [13, 28, 19, 7, 1, 28, 34, 0]},
        {"Taxon": "PortugueseBrazil", "Segments": [13, 28, 19, 45, 82, 28, 37, -1]},
        {"Taxon": "Portuguese",       "Segments": [13, 30, 19, 45, 82, 28, 29, -1]},
        {"Taxon": "Catalan",          "Segments": [13, 4, 20, 4, 1, 28, -1, -1]},
        {"Taxon": "Walloon",          "Segments": [13, 32, -1, -1, 10, 38, -1, -1]},
```

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    {"Taxon": "Romanian",          "Segments": [13, 28, 19, 7, 1, 28, -1, -1]}
  ]},
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    {"Taxon": "Spanish",           "Segments": [20, 6, 33, 28, 29, -1]},
    {"Taxon": "Italian",           "Segments": [19, 6, 33, 28, 29, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [19, 6, -1, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [19, 8, -1, 28, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [20, 15, 33, 28, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [19, 9, 33, 0, -1, -1]}
  ]},
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    {"Taxon": "Friulian",          "Segments": [48, 19, 6, 33, 52, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [48, 20, 15, 29, 28, -1, -1]}
  ]},
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    {"Taxon": "Spanish",           "Segments": [50, 28, -1, 27, 7, 13, 28, 29, -1]},
    {"Taxon": "Italian",           "Segments": [50, 28, 27, 27, 7, 13, 28, 29, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [50, 30, -1, 27, 7, 39, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [50, 30, -1, 27, 7, 39, 28, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [50, 4, -1, 27, 7, 13, 28, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [44, 7, -1, 27, 7, 13, 0, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [62, 28, -1, 27, 7, 13, 52, -1, -1]}
  ]},
  {"Name": "ToWalk-Marcher", "Data": [
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    {"Taxon": "Walloon",           "Segments": [27, 52, 77, 44, 38]}
  ]},
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    {"Taxon": "Italian",           "Segments": [27, 32, 34, 10, 0, 34, 0]},
    {"Taxon": "Romanian",          "Segments": [27, 0, 34, 10, 0, -1, -1]}
  ]},
  {"Name": "ToWalk-Ambitare", "Data": [
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    {"Taxon": "Spanish",           "Segments": [28, 13, 24, -1, -1, 28, 29, -1]},
    {"Taxon": "Italian",           "Segments": [28, 13, 24, -1, -1, 28, 34, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [43, -1, 24, -1, -1, 28, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [43, -1, 24, -1, -1, 28, 29, -1]}
  ]},
  {"Name": "ToCome-Primary", "Data": [
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    {"Taxon": "French",            "Segments": [19, 4, 13, 7, 37, -1]},
    {"Taxon": "Spanish",           "Segments": [20, 0, 13, 7, 29, -1]},
    {"Taxon": "Italian",           "Segments": [19, 0, 13, 7, 29, 0]},
    {"Taxon": "PortugueseBrazil",  "Segments": [19, -1, -1, 7, 37, -1]},
    {"Taxon": "Portuguese",        "Segments": [19, -1, -1, 7, 29, -1]},
    {"Taxon": "Catalan",           "Segments": [20, 4, 13, 7, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [19, 7, 13, 7, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [19, 7, 39, 38, -1, -1]},
    {"Taxon": "Romanian",          "Segments": [19, 0, 13, 7, -1, -1]}
  ]},
```

Appendix 1 - Tongue Twister Configuration

```
{"Name": "ToLieAsInABed-Primary", "Data": [
  {"Taxon": "Latin",           "Segments": [0, 50, 14, 21, 0, 13, 24, 0, 34, 0]},
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  {"Taxon": "Spanish",         "Segments": [0, 50, 14, 21, 0, 13, 24, 0, 29, -1]},
  {"Taxon": "Italian",         "Segments": [0, -1, 14, 21, 32, 13, 24, 0, 34, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 14, 21, 64, -1, 24, 0, 37, -1]},
  {"Taxon": "Portuguese",      "Segments": [7, -1, 17, 21, 64, -1, 24, 0, 29, -1]},
  {"Taxon": "Catalan",         "Segments": [4, -1, 14, 21, 0, 13, 24, -1, 29, 4]},
  {"Taxon": "Romanian",        "Segments": [0, 50, 14, 21, 7, 13, 24, 0, -1, -1]}
]},
{"Name": "ToLieAsInABed-Iacere", "Data": [
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  {"Taxon": "French",          "Segments": [3, 0, -1, 48, 7, 37, -1]},
  {"Taxon": "Spanish",         "Segments": [5, 28, -1, 55, 0, 29, -1]},
  {"Taxon": "Italian",         "Segments": [10, 28, -1, 44, 26, 29, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 30, -1, 48, 0, 37, -1]},
  {"Taxon": "Portuguese",      "Segments": [3, 30, -1, 48, 0, 29, -1]},
  {"Taxon": "Catalan",         "Segments": [3, 28, 8, -1, -1, 29, 4]},
  {"Taxon": "Walloon",         "Segments": [10, 0, -1, -1, -1, 34, 0]},
  {"Taxon": "Friulian",        "Segments": [12, 0, -1, 14, 7, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [48, 4, -1, 44, 76, -1, -1]}
]},
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  {"Taxon": "French",          "Segments": [14, 8, 28, -1, -1, 37, -1]},
  {"Taxon": "Spanish",         "Segments": [14, -1, 0, -1, -1, 29, -1]},
  {"Taxon": "Italian",         "Segments": [14, -1, 0, 24, 0, 34, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, -1, 0, -1, -1, 37, -1]},
  {"Taxon": "Portuguese",      "Segments": [14, -1, 0, -1, -1, 29, -1]},
  {"Taxon": "Romanian",        "Segments": [17, -1, 0, 24, 76, -1, -1]}
]},
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  {"Taxon": "Spanish",         "Segments": [14, 0, -1, -1, 13, 21, 28, 29, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 64, -1, -1, -1, 21, 28, 29, -1]},
  {"Taxon": "Portuguese",      "Segments": [14, 64, -1, -1, -1, 21, 28, 29, -1]},
  {"Taxon": "Friulian",        "Segments": [14, 0, -1, -1, 13, 21, 52, -1, -1]}
]},
{"Name": "ToStand-Primary", "Data": [
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  {"Taxon": "Spanish",         "Segments": [0, 14, 21, 28, 29, -1]},
  {"Taxon": "Italian",         "Segments": [-1, 14, 21, 28, 34, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [45, 17, 21, 28, 29, -1]},
  {"Taxon": "Portuguese",      "Segments": [45, 17, 21, 28, 29, -1]},
  {"Taxon": "Catalan",         "Segments": [4, 14, 21, 28, -1, -1]},
  {"Taxon": "Walloon",         "Segments": [32, 14, -1, -1, -1, -1]},
  {"Taxon": "Friulian",        "Segments": [-1, 14, 21, 52, -1, -1]},
  {"Taxon": "Romanian",        "Segments": [-1, 14, 21, 28, -1, -1]}
]},
{"Name": "ToStand-Levare", "Data": [
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  {"Taxon": "French",          "Segments": [33, 4, 19, 0, -1, -1]},
  {"Taxon": "Spanish",         "Segments": [5, 0, 20, 28, 29, -1]},
  {"Taxon": "Italian",         "Segments": [33, 0, 19, 28, 34, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [33, 0, 19, 28, 37, -1]},
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    {"Taxon": "Catalan",          "Segments": [36, 4, 20, 28, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [33, 4, 19, 0, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [33, 0, 19, 52, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [33, -1, 15, 28, -1, -1]}
  ]},
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    {"Taxon": "Italian",           "Segments": [21, 28, 13, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [21, 43, -1, 21, 15, -1]},
    {"Taxon": "Portuguese",        "Segments": [21, 43, -1, 21, 15, -1]},
    {"Taxon": "Catalan",           "Segments": [21, 28, 13, 21, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [21, 28, 13, 62, -1, -1]}
  ]},
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    {"Taxon": "Spanish",           "Segments": [28, 33, 1, 15, 13, 6]},
    {"Taxon": "Italian",           "Segments": [28, 33, 50, 15, 13, 6]},
    {"Taxon": "PortugueseBrazil",  "Segments": [28, 8, 1, 86, -1, -1]},
    {"Taxon": "Portuguese",        "Segments": [28, 66, 1, 86, -1, -1]},
    {"Taxon": "Catalan",           "Segments": [4, 33, 1, 15, -1, -1]}
  ]},
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    {"Taxon": "French",            "Segments": [47, 75, -1, -1, -1]},
    {"Taxon": "Spanish",           "Segments": [47, 6, 50, 6, -1]},
    {"Taxon": "Italian",           "Segments": [47, 9, 50, 6, -1]},
    {"Taxon": "PortugueseBrazil",  "Segments": [47, 6, 8, 50, 15]},
    {"Taxon": "Portuguese",        "Segments": [47, 6, 8, 50, 15]},
    {"Taxon": "Catalan",           "Segments": [47, 9, 50, -1, -1]},
    {"Taxon": "Walloon",           "Segments": [47, 58, -1, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [47, 2, 50, -1, -1]}
  ]},
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    {"Taxon": "French",            "Segments": [6, -1, 21, -1, 37, -1]},
    {"Taxon": "Spanish",           "Segments": [6, -1, 21, -1, 29, 6]},
    {"Taxon": "Italian",           "Segments": [28, 33, 21, -1, 34, 6]},
    {"Taxon": "PortugueseBrazil",  "Segments": [6, 8, 21, -1, 29, 15]},
    {"Taxon": "Portuguese",        "Segments": [6, 8, 21, -1, 29, 15]},
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    {"Taxon": "Walloon",           "Segments": [58, -1, 21, -1, -1, -1]},
    {"Taxon": "Friulian",          "Segments": [28, 33, 21, -1, 34, 7]},
    {"Taxon": "Romanian",          "Segments": [28, 33, 21, -1, -1, -1]}
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    {"Taxon": "PortugueseBrazil",  "Segments": [28, 8, -1, -1, -1]},
    {"Taxon": "Portuguese",        "Segments": [28, 66, -1, -1, -1]}
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    {"Taxon": "Spanish",           "Segments": [27, 28, -1, 39, 6, -1]},
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  ]},
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    {"Taxon": "Spanish",         "Segments": [1, 29, 28, 13, 24, 0, -1]},
    {"Taxon": "Italian",         "Segments": [1, 34, 28, 13, 24, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 29, 43, -1, 10, 7, -1]},
    {"Taxon": "Portuguese",      "Segments": [1, 29, 43, -1, 24, 45, -1]},
    {"Taxon": "Catalan",         "Segments": [1, 34, 28, 13, -1, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [1, 37, 41, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [1, 34, 28, 13, 21, -1, -1]}
  ]},
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    {"Taxon": "Romanian",        "Segments": [27, 28, -1, -1, -1, 29, 0]}
  ]},
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    {"Taxon": "Italian",         "Segments": [33, 15, 13, 1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 58, -1, 1, 15, -1]},
    {"Taxon": "Portuguese",      "Segments": [33, 58, -1, 1, 15, -1]},
    {"Taxon": "Catalan",         "Segments": [36, 6, 72, -1, -1, -1]},
    {"Taxon": "Walloon",         "Segments": [33, 58, -1, -1, -1, -1]},
    {"Taxon": "Friulian",        "Segments": [33, 15, 13, 50, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [33, 15, 13, 1, -1, -1]}
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    {"Taxon": "Italian",         "Segments": [33, 28, 34, 1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 28, 37, 1, 15, -1]},
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    {"Taxon": "Friulian",        "Segments": [33, 28, 34, 50, -1, -1]},
    {"Taxon": "Romanian",        "Segments": [33, 28, 34, 1, -1, -1]}
  ]},
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    {"Taxon": "French",          "Segments": [33, 0, -1, -1, -1]},
    {"Taxon": "Spanish",         "Segments": [33, 28, 21, 6, -1]},
    {"Taxon": "Italian",         "Segments": [33, 28, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 28, 21, 15, -1]},
    {"Taxon": "Portuguese",      "Segments": [33, 28, 21, 15, -1]},
    {"Taxon": "Romanian",        "Segments": [33, 28, 21, -1, -1]}
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    {"Taxon": "Spanish",         "Segments": [28, 13, 44, -1, 6, -1]},
    {"Taxon": "Italian",         "Segments": [28, 27, 47, 12, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [43, -1, 17, -1, 15, -1]},
    {"Taxon": "Portuguese",      "Segments": [43, -1, 17, -1, 15, -1]},
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    {"Taxon": "French",           "Segments": [1, 37, 67, -1, -1, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [1, 29, 28, -1, 14, 6, -1]},
    {"Taxon": "Italian",          "Segments": [1, 34, 28, 14, 14, 6, -1]},
    {"Taxon": "Portuguese",       "Segments": [1, 29, 28, -1, 17, 15, -1]},
    {"Taxon": "Catalan",          "Segments": [1, 29, 28, -1, 14, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [1, 34, 28, 14, -1, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [1, 34, 28, 14, -1, -1, -1]}
  ]},
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    {"Taxon": "French",           "Segments": [0, -1, 47, 0, -1, -1, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [0, 14, 47, 0, 14, 6, -1, -1]},
    {"Taxon": "Italian",          "Segments": [-1, 14, 47, 0, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 47, 32, -1, 14, 15, -1]},
    {"Taxon": "Portuguese",       "Segments": [7, 17, 47, 0, -1, 14, 15, -1]},
    {"Taxon": "Catalan",          "Segments": [4, 14, 47, 32, -1, 14, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [-1, 14, 47, 32, -1, -1, -1, -1]}
  ]},
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    {"Taxon": "Spanish",          "Segments": [1, 6, 29, 24, 6, -1]}
  ]},
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    {"Taxon": "French",           "Segments": [1, 37, 6, -1, -1, -1, -1, -1]},
    {"Taxon": "Italian",          "Segments": [1, 34, 9, -1, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 29, 6, -1, -1, 14, 15, -1]},
    {"Taxon": "Portuguese",       "Segments": [1, 29, 6, -1, -1, 14, 15, -1]},
    {"Taxon": "Catalan",          "Segments": [1, 29, 9, -1, -1, 14, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [1, 34, 8, 32, 14, -1, -1, -1]},
    {"Taxon": "Romanian",         "Segments": [1, 34, 6, -1, 14, -1, -1, -1]}
  ]},
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    {"Taxon": "French",           "Segments": [1, 37, 7, 12, 32, 25, -1, -1]},
    {"Taxon": "Spanish",          "Segments": [1, 29, 28, -1, -1, 20, 0, -1]},
    {"Taxon": "Italian",          "Segments": [1, 34, 32, -1, -1, 19, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 29, 28, -1, -1, 19, 7, -1]},
    {"Taxon": "Portuguese",       "Segments": [1, 29, 28, -1, -1, 19, 45, -1]},
    {"Taxon": "Catalan",          "Segments": [1, 29, 0, -1, -1, 8, -1, -1]},
    {"Taxon": "Walloon",          "Segments": [1, 34, 28, -1, -1, 19, -1, -1]},
    {"Taxon": "Friulian",         "Segments": [1, 34, 32, -1, -1, 19, 7, -1]},
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    {"Taxon": "Spanish",          "Segments": [33, 0, 29, 24, 6, -1]},
    {"Taxon": "Italian",          "Segments": [33, 6, 34, 24, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 0, 29, 24, 6, -1]},
    {"Taxon": "Portuguese",       "Segments": [33, 0, 29, 24, 6, -1]}
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Appendix 1 - Tongue Twister Configuration

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  {"Taxon": "Catalan",           "Segments": [47, 4, -1, 21, 7, 21, -1, -1]},
  {"Taxon": "Walloon",           "Segments": [47, 7, -1, 21, 7, -1, -1, -1]}
]},
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  {"Taxon": "Spanish",           "Segments": [47, 0, -1, 50, 0, 39, 6, -1]},
  {"Taxon": "Italian",           "Segments": [47, 7, 21, 44, 7, 13, 6, -1]},
  {"Taxon": "PortugueseBrazil",  "Segments": [47, 0, -1, 50, 0, 13, 15, -1]},
  {"Taxon": "Portuguese",        "Segments": [47, 45, -1, 50, 0, 13, 15, -1]},
  {"Taxon": "Romanian",          "Segments": [47, 15, -1, 51, 7, 13, -1, -1]}
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  {"Taxon": "Italian",           "Segments": [47, 7, 50, 50, 6, 33, 6, -1]},
  {"Taxon": "Friulian",          "Segments": [47, 7, -1, 44, 15, 33, -1, -1]}
]},
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  {"Taxon": "Spanish",           "Segments": [50, 6, 29, 21, 6, -1]},
  {"Taxon": "Italian",           "Segments": [50, 6, 34, 21, 6, -1]},
  {"Taxon": "PortugueseBrazil",  "Segments": [50, 15, 37, 21, 15, -1]},
  {"Taxon": "Portuguese",        "Segments": [50, 15, 29, 21, 15, -1]},
  {"Taxon": "Catalan",           "Segments": [50, 15, 29, 21, -1, -1]},
  {"Taxon": "Walloon",           "Segments": [50, 22, 37, -1, -1, -1]},
  {"Taxon": "Friulian",          "Segments": [50, 15, 34, 21, -1, -1]}
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  {"Taxon": "French",            "Segments": [20, 37, 32, 25, -1, -1]},
  {"Taxon": "Spanish",           "Segments": [20, 29, 0, 20, 0, -1]},
  {"Taxon": "Italian",           "Segments": [20, 34, 32, 19, 0, -1]},
  {"Taxon": "PortugueseBrazil",  "Segments": [20, 29, 32, 19, 7, -1]},
  {"Taxon": "Portuguese",        "Segments": [20, 29, 32, 19, 45, -1]},
  {"Taxon": "Catalan",           "Segments": [20, 29, 0, 8, -1, -1]},
  {"Taxon": "Walloon",           "Segments": [20, 37, 0, 25, -1, -1]}
]},
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  {"Taxon": "Spanish",           "Segments": [28, 13, 1, 6, 14, 21, 6, -1]},
  {"Taxon": "Italian",           "Segments": [28, 13, 1, 15, 14, 21, 6, -1]},
  {"Taxon": "Romanian",          "Segments": [45, 72, 1, 15, 14, 21, -1, -1]}
]},
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  {"Taxon": "Spanish",           "Segments": [0, 14, 21, 29, -1, 0, -1, -1, 44, 6, -1]},
  {"Taxon": "Italian",           "Segments": [-1, 14, 21, 34, -1, 0, -1, 21, 21, 6, -1]},
  {"Taxon": "PortugueseBrazil",  "Segments": [7, 14, 21, 29, -1, 56, -1, -1, 21, 15, -1]},
  {"Taxon": "Portuguese",        "Segments": [45, 17, 21, 29, -1, 57, -1, -1, 21, 15, -1]},
  {"Taxon": "Catalan",           "Segments": [4, 14, 21, 29, -1, 32, -1, -1, 21, -1, -1]},
  {"Taxon": "Walloon",           "Segments": [-1, 14, 21, 37, -1, 84, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian",          "Segments": [-1, 14, 21, 34, -1, 32, -1, -1, 21, -1, -1]},
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    {"Taxon": "French",              "Segments": [27, 4, 13, 23, -1, -1, -1, -1]},
    {"Taxon": "Spanish",             "Segments": [27, 0, 13, 15, -1, 24, 6, -1]},
    {"Taxon": "Italian",             "Segments": [27, 7, 13, 15, -1, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil",    "Segments": [27, 7, -1, 15, -1, 24, 15, -1]},
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    {"Taxon": "Catalan",             "Segments": [27, 4, 13, 15, -1, 21, -1, -1]},
    {"Taxon": "Walloon",             "Segments": [27, 7, 13, 15, -1, -1, -1, -1]},
    {"Taxon": "Friulian",            "Segments": [27, 7, 13, 22, -1, 21, -1, -1]},
    {"Taxon": "Romanian",            "Segments": [27, 4, 34, 15, 13, 21, -1, -1]}
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    {"Taxon": "Spanish",             "Segments": [24, 0, 33, -1, 82, 28, 49, 6, -1]},
    {"Taxon": "Italian",             "Segments": [24, 0, 33, 7, 50, 28, 21, 6, -1]},
    {"Taxon": "PortugueseBrazil",    "Segments": [24, 0, 8, -1, 1, 28, 24, 15, -1]},
    {"Taxon": "Portuguese",          "Segments": [24, 32, 66, -1, 82, 28, 49, 15, -1]},
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    {"Taxon": "Italian",             "Segments": [14, 6, 21, 21, 7, 33, 0, -1]},
    {"Taxon": "PortugueseBrazil",    "Segments": [14, 15, -1, 44, 7, 8, -1, -1]},
    {"Taxon": "Portuguese",          "Segments": [14, 15, -1, 44, 7, 8, -1, -1]},
    {"Taxon": "Catalan",             "Segments": [14, 15, 47, 21, 7, 33, -1, -1]},
    {"Taxon": "Walloon",             "Segments": [14, 22, -1, 21, 7, -1, -1, -1]},
    {"Taxon": "Friulian",            "Segments": [14, 15, -1, 21, 38, 33, -1, -1]},
    {"Taxon": "Romanian",            "Segments": [14, 15, 20, 51, 7, 34, 0, -1]}
]},
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    {"Taxon": "French",              "Segments": [17, 6, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",             "Segments": [50, 28, 33, -1, 24, 6, -1]},
    {"Taxon": "Italian",             "Segments": [50, 28, 33, -1, 24, 6, -1]},
    {"Taxon": "PortugueseBrazil",    "Segments": [50, 28, 8, -1, 24, 15, -1]},
    {"Taxon": "Portuguese",          "Segments": [50, 28, 33, -1, 24, 15, -1]},
    {"Taxon": "Catalan",             "Segments": [50, 28, 66, -1, -1, -1, -1]},
    {"Taxon": "Walloon",             "Segments": [44, 58, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",            "Segments": [62, 28, 33, -1, 21, -1, -1]},
    {"Taxon": "Romanian",            "Segments": [50, 28, 33, -1, 24, -1, -1]}
]},
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    {"Taxon": "French",              "Segments": [25, 37, 8, 28, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish",             "Segments": [25, 29, -1, 7, -1, -1, -1, 6, -1]},
    {"Taxon": "Italian",             "Segments": [25, 34, -1, 0, 24, -1, 24, 6, -1]},
    {"Taxon": "PortugueseBrazil",    "Segments": [25, 29, -1, 7, -1, -1, -1, 15, -1]},
    {"Taxon": "Portuguese",          "Segments": [25, 29, -1, 7, -1, -1, -1, 15, -1]},
    {"Taxon": "Catalan",             "Segments": [25, 29, -1, 32, -1, -1, 21, -1, -1]},
    {"Taxon": "Walloon",             "Segments": [25, 77, 8, 32, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian",            "Segments": [25, 34, -1, 26, -1, -1, 21, -1, -1]}
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  {"Taxon": "Italian",          "Segments": [34, 0, 44, -1, 32, 13, 21, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [37, 0, 14, -1, 64, -1, 44, 7, -1]},
  {"Taxon": "Portuguese",       "Segments": [37, 0, 14, -1, 64, -1, 44, 7, -1]},
  {"Taxon": "Friulian",         "Segments": [34, 0, 51, -1, 7, 13, 21, -1, -1]},
  {"Taxon": "Romanian",         "Segments": [34, 0, 44, -1, 0, -1, -1, -1, -1]}
]},
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