

Appendix 1 - Tongue Twister Configuration

```
{
  "Tree": "(Latin,(Romanian,(((Walloon,French),(((Portuguese,PortugueseBrazil),Spanish),Catalan)),(
  Friulian,Italian))))";
  "NumberOfStates": 1,
  "McmcSettings": {
    "FileOutput": "/Users/johnh/Desktop/Indelly/out/test_custom",
    "OnlyCompleteWords": "No",
    "Model": "Custom",
    "CalcMarginal": "No",
    "UseEigenSystem": "No",
    "NumCycles": 1000000,
    "PrintFreq": 10,
    "SampleFreq": 100,
    "TreeLengthPriorVal": 0.15
  },
  "Taxa": ["Latin", "French", "Spanish", "Italian", "PortugueseBrazil", "Portuguese", "Catalan", "
  Walloon", "Friulian", "Romanian"],
  "PriorFrequencies": [2.730528,2.551477,0.940018,0.716204,0.984781,0.089526,2.685765,4.118174,
  3.670546,1.566697,0.044763,0.671441,4.028648,3.491495,2.999105,3.939123,1.656222,0.044763,1.208594,
  2.820054,3.043868,1.298120,0.268577,2.059087,1.969561,0.940018,4.297225,3.849597,1.163832,0.089526,
  0.134288,1.656222,3.043868,1.969561,0.850492,0.223814,0.223814,1.432408,1.880036,0.044763,2.506714,
  0.044763,0.358102,0.089526,0.805730,0.044763,0.044763,0.716204,3.849597,1.342883,0.223814,4.028648,
  0.044763,1.342883,0.044763,0.044763,0.044763,0.492390,0.179051,0.044763,0.044763,0.492390,0.358102,
  0.044763,0.492390,0.626679,0.044763,0.447628,0.044763,0.089526,0.044763,0.447628,0.089526,0.447628,
  0.268577,2.820054,0.089526,0.223814,0.044763,0.134288,0.044763,0.134288,0.760967,0.537153,0.313339,
  0.626679,0.044763,0.537153,0.089526,0.044763,0.716204,0.447628,0.044763,0.044763,0.626679],
  "PartitionSets": [{"Name": "e", "Set": [0, 25]},{ "Name": "i", "Set": [7, 37]},{ "Name": "a", "Set"
  : [27, 53]},{ "Name": "u", "Set": [15, 21]},{ "Name": "o", "Set": [2, 6]},{ "Name": "ɔ", "Set": [9, 73
  ]},{ "Name": "ɛ", "Set": [31, 57]},{ "Name": "ø", "Set": [72, 79]},{ "Name": "Nasal Vowel", "Set": [41
  , 42, 43, 44, 45, 54, 61, 62, 63, 64, 76, 82, 88, 89, 90, 93]},{ "Name": "Vowel", "Set": [4, 11, 17
  , 22, 29, 30, 39, 47, 56, 59, 60, 66, 70, 78, 80, 84, 86, 94]},{ "Name": "Nasal Consonant", "Set":
  [13, 26, 38, 75, 92]},{ "Name": "Non Syllabic Sonorant", "Set": [8, 12, 32, 33]},{ "Name": "Consonant"
  , "Set": [1, 3, 5, 10, 14, 16, 18, 19, 20, 23, 24, 28, 34, 35, 36, 40, 46, 48, 49, 50, 51, 52, 55,
  58, 65, 67, 68, 69, 71, 74, 77, 81, 83, 85, 87, 91]}],
  "Words": [
    { "Name": "I", "Data": [
      { "Taxon": "Latin", "Segments": [-1, 0, 1, 2]},
      { "Taxon": "French", "Segments": [3, 4, -1, -1]},
      { "Taxon": "Spanish", "Segments": [5, -1, -1, 6]},
      { "Taxon": "Italian", "Segments": [7, -1, -1, 6]},
      { "Taxon": "PortugueseBrazil", "Segments": [-1, 0, -1, 8]},
      { "Taxon": "Portuguese", "Segments": [-1, 0, -1, 8]},
      { "Taxon": "Catalan", "Segments": [3, -1, -1, 9]},
      { "Taxon": "Walloon", "Segments": [10, 11, -1, -1]},
      { "Taxon": "Friulian", "Segments": [12, -1, -1, 6]},
      { "Taxon": "Romanian", "Segments": [12, 0, -1, 8]}
    ]},
    { "Name": "We", "Data": [
      { "Taxon": "Latin", "Segments": [13, 2, -1, 14, -1]},
      { "Taxon": "French", "Segments": [13, 15, -1, -1, -1]},
      { "Taxon": "Spanish", "Segments": [13, 6, -1, 14, -1]},
      { "Taxon": "Italian", "Segments": [13, 2, 7, -1, -1]},
      { "Taxon": "PortugueseBrazil", "Segments": [13, 9, 12, -1, 14]},
      { "Taxon": "Portuguese", "Segments": [13, 9, -1, 16, -1]},
      { "Taxon": "Walloon", "Segments": [13, 6, -1, -1, -1]},
      { "Taxon": "Friulian", "Segments": [13, 2, -1, -1, -1]},
    ]}
  ]
}
```

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```
{
  "Taxon": "Romanian", "Segments": [13, 17, -1, -1, -1]}
}],
{
  "Name": "YouPlural", "Data": [
    {"Taxon": "Latin", "Segments": [8, 2, -1, 14]},
    {"Taxon": "French", "Segments": [18, 15, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 6, -1, 14]},
    {"Taxon": "Italian", "Segments": [18, 2, 7, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 9, 12, 14]},
    {"Taxon": "Portuguese", "Segments": [18, 6, -1, 16]},
    {"Taxon": "Catalan", "Segments": [19, 15, -1, 14]},
    {"Taxon": "Walloon", "Segments": [18, 6, -1, 14]},
    {"Taxon": "Friulian", "Segments": [18, 2, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, 17, -1, -1]}
  ]
},
{
  "Name": "YouSingular", "Data": [
    {"Taxon": "Latin", "Segments": [20, 21]},
    {"Taxon": "French", "Segments": [20, 22]},
    {"Taxon": "Spanish", "Segments": [20, 15]},
    {"Taxon": "Italian", "Segments": [20, 15]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 15]},
    {"Taxon": "Portuguese", "Segments": [20, 15]},
    {"Taxon": "Catalan", "Segments": [20, 15]},
    {"Taxon": "Walloon", "Segments": [20, 22]},
    {"Taxon": "Friulian", "Segments": [20, 15]},
    {"Taxon": "Romanian", "Segments": [20, 15]}
  ]
},
{
  "Name": "YouSingular-VostramMercedem", "Data": [
    {"Taxon": "Spanish", "Segments": [-1, 15, 14, 20, 0, 23]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 6, 14, -1, 0, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 9, 14, -1, 0, -1]},
    {"Taxon": "Catalan", "Segments": [18, 6, 14, 20, 0, -1]}
  ]
},
{
  "Name": "Woman", "Data": [
    {"Taxon": "Latin", "Segments": [24, 25, -1, 26, 7, -1, 13, -1, 27]},
    {"Taxon": "French", "Segments": [24, 27, -1, 26, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 0, -1, 26, -1, 19, 28, -1, 27]},
    {"Taxon": "Italian", "Segments": [24, 0, 26, 26, 7, -1, 13, -1, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 0, -1, 26, 0, -1, -1, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [24, 0, -1, 26, 12, -1, -1, -1, 29]},
    {"Taxon": "Catalan", "Segments": [24, 0, -1, 26, -1, 19, 28, -1, 27]},
    {"Taxon": "Walloon", "Segments": [24, 30, -1, 26, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 31, -1, 26, 7, -1, 13, -1, 31]},
    {"Taxon": "Romanian", "Segments": [24, 0, -1, 26, 0, -1, -1, 12, 0]}
  ]
},
{
  "Name": "Woman-Mulier", "Data": [
    {"Taxon": "Latin", "Segments": [26, 15, 32, 7, 0, 33, 0, 26]},
    {"Taxon": "Spanish", "Segments": [26, 15, 34, -1, 0, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [26, 6, 35, 35, 0, -1, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 15, 35, -1, 0, 36, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 15, 35, -1, 0, 28, -1, -1]},
    {"Taxon": "Catalan", "Segments": [26, 15, 35, -1, 0, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 15, -1, -1, 37, 33, -1, -1]},
    {"Taxon": "Romanian", "Segments": [26, 15, -1, 12, 0, 33, 0, -1]}
  ]
},
{
  "Name": "Woman-Domina", "Data": [
    {"Taxon": "Latin", "Segments": [23, 6, 26, 7, 13, 27]},
  ]
}
```

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```
{
  "Taxon": "French", "Segments": [23, 27, 26, -1, -1, -1]},
  "Taxon": "Spanish", "Segments": [23, 6, -1, -1, 38, 27]},
  "Taxon": "Italian", "Segments": [23, 9, 13, -1, 13, 27]},
  "Taxon": "PortugueseBrazil", "Segments": [23, 6, -1, -1, 13, 29]},
  "Taxon": "Portuguese", "Segments": [23, 6, -1, -1, 13, 29]},
  "Taxon": "Catalan", "Segments": [23, 9, -1, -1, 13, 4]},
  "Taxon": "Walloon", "Segments": [23, 30, 26, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [23, 9, -1, -1, 13, 0]},
  "Taxon": "Romanian", "Segments": [23, 39, 26, -1, 13, 4]}
}],
{
  "Name": "ManHumanBeing", "Data": [
    {"Taxon": "Latin", "Segments": [40, 6, 26, 7, -1, 13, 0, 26]},
    {"Taxon": "French", "Segments": [-1, 9, 26, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [6, 26, -1, 19, 28, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [6, 26, 41, -1, -1, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [9, 26, 41, -1, -1, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [-1, 9, 26, 4, -1, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [-1, 9, 26, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 9, 26, -1, -1, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 6, 26, -1, -1, -1, -1, -1]}
  ]
},
{
  "Name": "ManHumanBeing-Homo", "Data": [
    {"Taxon": "Latin", "Segments": [40, -1, 6, 26, 2]},
    {"Taxon": "French", "Segments": [-1, -1, 42, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, 8, 9, 26, 6]}
  ]
},
{
  "Name": "Child", "Data": [
    {"Taxon": "Latin", "Segments": [7, 13, 24, 27, 13, 20, 0, 26]},
    {"Taxon": "French", "Segments": [43, -1, 24, 43, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [7, 13, 24, 27, 13, 20, 0, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 24, 27, 13, 20, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [44, -1, 24, 45, -1, 46, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [44, -1, 24, 45, -1, 20, 47, -1]},
    {"Taxon": "Walloon", "Segments": [31, -1, 24, 43, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Child-Ninnus", "Data": [
    {"Taxon": "Spanish", "Segments": [13, 7, 38, 6]},
    {"Taxon": "Italian", "Segments": [13, 7, 13, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 0, 13, 41]},
    {"Taxon": "Portuguese", "Segments": [13, 0, 13, 41]},
    {"Taxon": "Catalan", "Segments": [13, 0, 13, -1]}
  ]
},
{
  "Name": "Wife", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 6, 13, 14, 27]},
    {"Taxon": "French", "Segments": [0, -1, 48, 15, -1, 49, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 48, 6, -1, 14, 27]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 9, -1, 49, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 48, 6, -1, 49, 27]},
    {"Taxon": "Portuguese", "Segments": [47, 16, 48, 6, -1, 49, 29]},
    {"Taxon": "Catalan", "Segments": [4, 14, 48, 9, -1, 49, 4]}
  ]
},
{
  "Name": "Wife-Mulier", "Data": [
    {"Taxon": "Latin", "Segments": [26, 15, 32, 7, 0, 33, -1]},
    {"Taxon": "Spanish", "Segments": [26, 15, 34, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [26, 6, 35, 35, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 15, 35, -1, 0, 36, -1]},
  ]
}
```

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```
{
  "Taxon": "Portuguese", "Segments": [26, 15, 35, -1, 0, 28, -1]},
  "Taxon": "Catalan", "Segments": [26, 15, 35, -1, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [26, 15, -1, 37, 33, -1, -1]},
  "Taxon": "Romanian", "Segments": [26, 15, -1, 12, 0, 33, 0]}
}],
{
  "Name": "Husband", "Data": [
    {"Taxon": "Latin", "Segments": [26, 27, 33, 37, 20, 15, 14]},
    {"Taxon": "French", "Segments": [26, 27, 36, 7, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 27, 28, 7, 50, 6, -1]},
    {"Taxon": "Italian", "Segments": [26, 27, 33, 7, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 27, 28, 7, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 29, 28, 7, 50, 15, -1]},
    {"Taxon": "Catalan", "Segments": [26, 27, 28, 7, 20, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 27, 33, 37, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [26, 4, 33, 7, 20, -1, -1]}
  ]
},
{
  "Name": "Husband-Sponsus", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 6, 13, 14, 15, 14]},
    {"Taxon": "French", "Segments": [0, -1, 48, 15, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 48, 6, -1, 14, 6, -1]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 9, -1, 49, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 48, 6, -1, 49, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [47, 16, 48, 6, -1, 49, 15, -1]},
    {"Taxon": "Catalan", "Segments": [4, 14, 48, 9, -1, 14, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 48, 2, -1, 14, -1, -1]}
  ]
},
{
  "Name": "Husband-Socius", "Data": [
    {"Taxon": "Latin", "Segments": [14, 6, 51, 7, 15, 14]},
    {"Taxon": "Italian", "Segments": [14, 9, 46, -1, 6, -1]},
    {"Taxon": "Romanian", "Segments": [14, 6, 52, -1, -1, -1]}
  ]
},
{
  "Name": "Mother", "Data": [
    {"Taxon": "Latin", "Segments": [26, 53, 20, 33, 0, 26]},
    {"Taxon": "French", "Segments": [26, 0, -1, 36, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 27, 50, 28, 0, -1]},
    {"Taxon": "Italian", "Segments": [26, 53, 23, 33, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 54, -1, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 54, -1, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [26, 27, -1, 28, 4, -1]},
    {"Taxon": "Walloon", "Segments": [26, 0, -1, 55, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 27, -1, 33, 7, -1]}
  ]
},
{
  "Name": "Father", "Data": [
    {"Taxon": "Latin", "Segments": [48, 27, 20, 33, 0]},
    {"Taxon": "French", "Segments": [48, 0, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [48, 27, 50, 28, 0]},
    {"Taxon": "Italian", "Segments": [48, 53, 23, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 56, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 56, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, 27, -1, 28, 4]},
    {"Taxon": "Walloon", "Segments": [48, 57, -1, 33, -1]},
    {"Taxon": "Friulian", "Segments": [48, 27, -1, 33, 7]}
  ]
},
{
  "Name": "Father-Tata", "Data": [
    {"Taxon": "Latin", "Segments": [20, 27, 20, 27]},
    {"Taxon": "Spanish", "Segments": [20, 27, 20, 27]}
  ]
}
```

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```
{
  "Taxon": "Italian", "Segments": [20, 27, 20, 27]},
  "Taxon": "PortugueseBrazil", "Segments": [20, 27, 20, 27]},
  "Taxon": "Portuguese", "Segments": [20, 27, 20, 27]},
  "Taxon": "Romanian", "Segments": [20, 27, 20, 4]}
}],
{
  "Name": "Animal", "Data": [
    {"Taxon": "Latin", "Segments": [27, 13, 7, 26, 27, 32, 7, 27]},
    {"Taxon": "French", "Segments": [6, -1, -1, 26, 27, -1, 12, -1]},
    {"Taxon": "Spanish", "Segments": [27, 32, 7, 26, 27, 38, -1, 27]},
    {"Taxon": "Friulian", "Segments": [13, 0, 26, 53, 32, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 13, 4, 26, 27, -1, 12, 0]}
  ]
},
{
  "Name": "Animal-Bestia", "Data": [
    {"Taxon": "Latin", "Segments": [19, 25, 14, 20, 7, 27]},
    {"Taxon": "Italian", "Segments": [19, 7, 16, 16, -1, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 7, -1, 16, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [19, 7, -1, 16, -1, 29]},
    {"Taxon": "Friulian", "Segments": [19, 7, 14, -1, -1, -1]}
  ]
},
{
  "Name": "Fish-Piskem", "Data": [
    {"Taxon": "Latin", "Segments": [48, 7, 14, 51, 0, 26]},
    {"Taxon": "Spanish", "Segments": [48, 0, 58, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [48, 0, 16, 16, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 59, 16, -1, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 60, 16, -1, 47, -1]},
    {"Taxon": "Catalan", "Segments": [48, 0, 16, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 31, 14, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 0, 16, 20, 0, -1]}
  ]
},
{
  "Name": "Fish-Pescion", "Data": [
    {"Taxon": "French", "Segments": [48, 8, 27, 14, 61]},
    {"Taxon": "Walloon", "Segments": [48, -1, 31, 40, 61]}
  ]
},
{
  "Name": "Bird-Avem", "Data": [
    {"Taxon": "Latin", "Segments": [27, 8, 0, 26]},
    {"Taxon": "Spanish", "Segments": [27, 19, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 18, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [27, 18, 47, -1]},
    {"Taxon": "Catalan", "Segments": [27, 8, -1, -1]}
  ]
},
{
  "Name": "Bird-Avicellum", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 27, 8, 7, -1, 51, -1, 0, 32, 32, 15, 26]},
    {"Taxon": "French", "Segments": [8, 27, -1, -1, -1, 49, -1, 6, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 15, -1, 20, 46, -1, 31, 32, 32, 6, -1]},
    {"Taxon": "Catalan", "Segments": [-1, -1, 15, -1, -1, 14, -1, 0, -1, 35, -1, -1]},
    {"Taxon": "Walloon", "Segments": [-1, -1, 21, -1, -1, 40, -1, 57, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, -1, 15, -1, -1, 46, 12, 31, -1, 32, -1, -1]}
  ]
},
{
  "Name": "Bird-Passerem", "Data": [
    {"Taxon": "Latin", "Segments": [48, 27, 14, 14, 0, 33, 0, 26]},
    {"Taxon": "Spanish", "Segments": [48, 27, -1, 34, 27, 28, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 27, 14, 14, 0, 33, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 27, -1, 14, 29, 28, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 27, -1, 14, 29, 28, 15, -1]},
    {"Taxon": "Romanian", "Segments": [48, 27, -1, 14, 4, 28, 0, -1]}
  ]
},
]
```

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```
{
  "Name": "Dog", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 27, 13, 0, 26]},
    {"Taxon": "French", "Segments": [16, 12, 62, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, -1, 27, 13, -1, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 27, 13, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 63, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 63, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 27, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, -1, 64, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, -1, 27, 13, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, -1, 66, 13, 0, -1]}
  ]
},
{
  "Name": "Louse", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 0, 23, 15, -1, 51, 32, 15, 14]},
    {"Taxon": "French", "Segments": [48, -1, 15, -1, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 12, 6, -1, -1, 34, -1, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [48, -1, 7, 23, 9, 51, 51, 12, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 7, -1, 6, -1, 35, 15, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 7, -1, 6, -1, 35, 15, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 6, -1, -1, -1, 35, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 12, 15, -1, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, -1, 0, 23, 6, -1, 32, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, -1, 4, 23, 15, -1, 51, 12, 0, -1]}
  ]
},
{
  "Name": "Snake", "Data": [
    {"Taxon": "Latin", "Segments": [14, -1, 0, 33, 48, -1, 0, 13, 20, 0, 26]},
    {"Taxon": "French", "Segments": [14, -1, 0, 36, 48, -1, 43, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [14, -1, 0, 28, 48, 12, 0, 13, 20, 0, -1]},
    {"Taxon": "Italian", "Segments": [14, -1, 0, 33, 48, -1, 0, 13, 20, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, -1, 0, 36, 48, -1, 64, -1, 46, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [14, -1, 47, 28, 48, -1, 64, -1, 20, 47, -1]},
    {"Taxon": "Catalan", "Segments": [14, -1, 4, 33, 48, -1, 0, 13, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 12, 31, 36, 48, -1, 64, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, -1, 27, 33, 48, -1, 7, 13, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [16, -1, 27, 28, 48, -1, 0, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Worm", "Data": [
    {"Taxon": "Latin", "Segments": [8, 0, 33, 26, 0, 26]},
    {"Taxon": "French", "Segments": [18, 0, 36, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 0, 28, 26, 0, -1]},
    {"Taxon": "Italian", "Segments": [18, 0, 33, 26, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 0, 36, 26, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 0, 28, 26, 47, -1]},
    {"Taxon": "Catalan", "Segments": [18, 31, 28, 26, -1, -1]},
    {"Taxon": "Walloon", "Segments": [18, 12, 31, 55, -1, -1]},
    {"Taxon": "Friulian", "Segments": [18, 12, 31, 33, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, 12, 0, 33, 26, 0]}
  ]
},
{
  "Name": "Tree", "Data": [
    {"Taxon": "Latin", "Segments": [27, 33, 19, 6, 33, 0, 26]},
    {"Taxon": "French", "Segments": [27, 36, 19, -1, 36, -1, -1]},
    {"Taxon": "Spanish", "Segments": [27, 28, 67, 6, 32, -1, -1]},
    {"Taxon": "Italian", "Segments": [27, 32, 19, 0, 28, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 36, 18, 6, 28, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [27, 28, 18, 15, 28, 47, -1]},
    {"Taxon": "Catalan", "Segments": [27, -1, 19, -1, 28, 4, -1]},
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Walloon", "Segments": [2, -1, 19, -1, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [27, 33, 19, 15, 32, -1, -1]},
  "Taxon": "Romanian", "Segments": [27, 33, 19, 6, 33, 0, -1]}
}],
{
  "Name": "Forest", "Data": [
    {"Taxon": "Latin", "Segments": [14, 7, 32, 8, 27]},
    {"Taxon": "Spanish", "Segments": [14, 0, 32, 19, 27]},
    {"Taxon": "Italian", "Segments": [14, 0, 32, 18, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 31, 8, 18, 27]},
    {"Taxon": "Portuguese", "Segments": [14, 31, 68, 18, 29]},
    {"Taxon": "Catalan", "Segments": [14, 0, 32, 19, 27]},
    {"Taxon": "Friulian", "Segments": [14, 31, 32, 18, 0]}
  ]
},
{
  "Name": "Stick", "Data": [
    {"Taxon": "Latin", "Segments": [48, 53, 32, 15, 14]},
    {"Taxon": "French", "Segments": [48, 27, 32, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 27, 32, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 27, 32, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 27, 8, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 27, 8, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, 27, 32, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 53, 32, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 27, 28, -1, -1]}
  ]
},
{
  "Name": "Fruit", "Data": [
    {"Taxon": "Latin", "Segments": [24, 33, 21, -1, 51, 20, 15, 14]},
    {"Taxon": "French", "Segments": [24, 36, 69, 7, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 28, 15, -1, -1, 20, 6, -1]},
    {"Taxon": "Italian", "Segments": [24, 33, 15, -1, 20, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 28, 15, -1, -1, 20, 29, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 28, 15, -1, -1, 20, 29, -1]},
    {"Taxon": "Catalan", "Segments": [24, 28, 15, 12, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, 55, 22, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 33, 15, -1, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, 33, 15, -1, 51, 20, -1, -1]}
  ]
},
{
  "Name": "Seed", "Data": [
    {"Taxon": "Latin", "Segments": [14, 25, 26, 0, 13]},
    {"Taxon": "Italian", "Segments": [14, 0, 26, 0, -1]}
  ]
},
{
  "Name": "Seed-Sementis", "Data": [
    {"Taxon": "Latin", "Segments": [14, 0, 26, -1, 0, 13, 20, 7, 14]},
    {"Taxon": "French", "Segments": [14, 4, 26, -1, 43, -1, -1, -1, 14]},
    {"Taxon": "Spanish", "Segments": [14, 7, 26, 12, 0, 13, 20, 0, -1]},
    {"Taxon": "Italian", "Segments": [14, 0, 26, -1, 0, 13, 20, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 0, 26, -1, 64, -1, 46, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 47, 26, -1, 64, -1, 20, 47, -1]},
    {"Taxon": "Catalan", "Segments": [14, 4, 26, -1, 0, 13, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 7, 26, -1, 64, -1, 14, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 0, 26, -1, 31, 13, 46, 31, -1]},
    {"Taxon": "Romanian", "Segments": [14, 4, 26, -1, 47, 13, 46, 4, -1]}
  ]
},
{
  "Name": "Seed-Granum", "Data": [
    {"Taxon": "Latin", "Segments": [1, 33, 53, 13, 15, 26]},
    {"Taxon": "French", "Segments": [1, 36, 31, 13, -1, -1]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, 13, 6, -1]},
  ]
}
```

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```
{
  "Taxon": "Italian", "Segments": [1, 33, 27, 13, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [1, 28, 63, -1, -1, -1]},
  "Taxon": "Portuguese", "Segments": [1, 28, 63, -1, -1, -1]},
  "Taxon": "Catalan", "Segments": [1, 28, 27, -1, -1, -1]},
  "Taxon": "Walloon", "Segments": [1, 33, 7, 13, -1, -1]},
  "Taxon": "Friulian", "Segments": [1, 33, 27, 13, -1, -1]},
  "Taxon": "Romanian", "Segments": [1, 33, 70, -1, -1, -1]}
}],
{
  "Name": "Leaf", "Data": [
    {"Taxon": "Latin", "Segments": [24, -1, 6, 32, 7, 27]},
    {"Taxon": "French", "Segments": [24, -1, 30, 12, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, -1, 6, 34, -1, 27]},
    {"Taxon": "Italian", "Segments": [24, -1, 9, 35, 35, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, -1, 6, 35, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [24, -1, 6, 35, -1, 29]},
    {"Taxon": "Catalan", "Segments": [24, -1, 15, 35, -1, 4]},
    {"Taxon": "Walloon", "Segments": [24, -1, 9, 12, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 8, 0, -1, -1, 0]},
    {"Taxon": "Romanian", "Segments": [24, 39, -1, 12, 0, -1]}
  ]
},
{
  "Name": "Leaf-Frondea", "Data": [
    {"Taxon": "Latin", "Segments": [24, 33, 6, 13, 23, 0, 27]},
    {"Taxon": "Italian", "Segments": [24, 33, 6, 13, 71, -1, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 28, 61, 14, -1, 29, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 28, 61, 14, -1, 29, -1]},
    {"Taxon": "Romanian", "Segments": [24, 28, 15, 13, 49, -1, 4]}
  ]
},
{
  "Name": "Root", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 33, 53, 23, 37, 51, 0, 26]},
    {"Taxon": "Spanish", "Segments": [-1, 33, 27, -1, 7, 58, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 36, 27, -1, 7, 14, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 36, 29, -1, 7, 16, -1, -1]},
    {"Taxon": "Catalan", "Segments": [4, 33, 31, -1, 32, -1, -1, -1]}
  ]
},
{
  "Name": "Root-Radix", "Data": [
    {"Taxon": "Latin", "Segments": [33, 53, 23, 37, 51, 0]},
    {"Taxon": "French", "Segments": [36, 27, 23, 7, -1, -1]},
    {"Taxon": "Italian", "Segments": [33, 27, 23, 37, 46, 0]}
  ]
},
{
  "Name": "Root-Radicina", "Data": [
    {"Taxon": "Latin", "Segments": [33, 53, 23, 37, 51, 37, 13, 27]},
    {"Taxon": "French", "Segments": [36, 27, -1, -1, 14, 7, 13, -1]},
    {"Taxon": "Walloon", "Segments": [55, 31, -1, -1, 14, 31, 13, -1]},
    {"Taxon": "Romanian", "Segments": [33, 4, 23, 4, 46, 7, 13, 4]}
  ]
},
{
  "Name": "BarkOfATree", "Data": [
    {"Taxon": "Latin", "Segments": [51, 6, 33, 20, 7, 51, 0, 26]},
    {"Taxon": "Italian", "Segments": [51, 6, 33, 20, 7, 46, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 9, 36, 46, 7, 14, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 9, 28, 20, 7, 14, 47, -1]}
  ]
},
{
  "Name": "BarkOfATree-Corticea", "Data": [
    {"Taxon": "Latin", "Segments": [51, 6, 33, 20, 7, 51, 0, 27]},
    {"Taxon": "Spanish", "Segments": [51, 6, 28, 20, 0, 58, -1, 27]},
    {"Taxon": "Italian", "Segments": [51, 6, 33, 20, 0, 20, 46, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 36, 46, 7, 14, 29, -1]},
  ]
}
```


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```
{
  "Taxon": "Portuguese", "Segments": [51, 15, 28, 20, 7, 14, 29, -1]}
}],
{
  "Name": "BarkOfATree-Skortea", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 51, -1, 6, 33, 20, 0, 27]},
    {"Taxon": "French", "Segments": [0, -1, 51, -1, 6, 36, 14, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, 14, 51, -1, 9, 33, 52, -1, 27]},
    {"Taxon": "Catalan", "Segments": [4, 14, 51, -1, 9, 33, 14, -1, 4]},
    {"Taxon": "Walloon", "Segments": [-1, 14, 51, 8, 27, 14, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 51, 8, 27, 33, 52, -1, 0]},
    {"Taxon": "Romanian", "Segments": [-1, 14, 51, -1, 39, 28, 52, -1, 4]}
  ]
},
{
  "Name": "Flower", "Data": [
    {"Taxon": "Latin", "Segments": [24, 32, 2, 33, 0, 26]},
    {"Taxon": "French", "Segments": [24, 32, 30, 36, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 32, 6, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [24, 12, 2, 28, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 32, 6, 36, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 32, 6, 28, -1, -1]},
    {"Taxon": "Catalan", "Segments": [24, 32, 9, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, 32, 72, 36, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 32, 2, 33, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, 32, 39, 28, 0, -1]}
  ]
},
{
  "Name": "Grass", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 40, 0, 33, 19, 27]},
    {"Taxon": "French", "Segments": [-1, -1, 31, 36, 19, -1]},
    {"Taxon": "Spanish", "Segments": [5, -1, 0, 28, 19, 27]},
    {"Taxon": "Italian", "Segments": [-1, -1, 31, 33, 19, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 0, 36, 18, 29]},
    {"Taxon": "Portuguese", "Segments": [-1, -1, 31, 28, 18, 29]},
    {"Taxon": "Catalan", "Segments": [-1, -1, 0, 33, 19, 4]},
    {"Taxon": "Walloon", "Segments": [12, -1, 31, -1, 48, -1]},
    {"Taxon": "Friulian", "Segments": [12, -1, 27, 33, 19, 0]},
    {"Taxon": "Romanian", "Segments": [12, -1, 27, 28, 19, 4]}
  ]
},
{
  "Name": "Grass-Gramen", "Data": [
    {"Taxon": "Latin", "Segments": [1, 33, 53, 26, 0, 13]},
    {"Taxon": "French", "Segments": [1, 36, 27, 26, 31, 13]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, 26, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 28, 45, 26, 29, -1]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 29, 26, 29, -1]},
    {"Taxon": "Catalan", "Segments": [1, 28, 27, 26, -1, -1]}
  ]
},
{
  "Name": "Rope", "Data": [
    {"Taxon": "Latin", "Segments": [24, 21, 13, -1, 0, 26]},
    {"Taxon": "Italian", "Segments": [24, 15, 13, -1, 0, -1]},
    {"Taxon": "Romanian", "Segments": [24, 15, 13, 12, 0, -1]}
  ]
},
{
  "Name": "Rope-Restis", "Data": [
    {"Taxon": "Latin", "Segments": [33, 0, 14, 20, 0, 26]},
    {"Taxon": "Spanish", "Segments": [28, 7, 14, 20, 27, -1]},
    {"Taxon": "Italian", "Segments": [33, 31, 14, 20, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 31, 16, 46, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 0, 16, 20, 47, -1]}
  ]
},
{
  "Name": "Skin", "Data": [
```

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```
{
  "Taxon": "French", "Segments": [51, 8, 27, -1, -1, -1, 13, -1]},
  "Taxon": "Italian", "Segments": [51, -1, 6, 20, 0, 13, 13, 27]},
  "Taxon": "PortugueseBrazil", "Segments": [51, -1, 6, 10, 7, -1, -1, 29]},
  "Taxon": "Portuguese", "Segments": [51, -1, 6, 23, 7, -1, -1, 29]},
  "Taxon": "Catalan", "Segments": [51, -1, 6, -1, -1, 13, 13, 4]}
}],
{
  "Name": "Skin-Pellis", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 0, 32, 32, 0, 26]},
    {"Taxon": "French", "Segments": [48, -1, 6, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 12, 0, 32, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [48, -1, 0, 32, 32, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 31, -1, 32, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 0, -1, 32, 47, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 0, -1, 35, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 12, 27, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 12, 31, 32, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 12, 0, -1, 32, 0, -1]}
  ]
},
{
  "Name": "Meat", "Data": [
    {"Taxon": "Latin", "Segments": [51, 27, 33, 13, 0, 26]},
    {"Taxon": "French", "Segments": [16, 31, 36, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 28, 13, 0, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 33, 13, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 36, 13, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 27, 28, 13, 47, -1]},
    {"Taxon": "Catalan", "Segments": [51, 27, 33, 13, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, 73, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 53, 33, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 27, 28, 13, 0, -1]}
  ]
},
{
  "Name": "Meat-Vivenda", "Data": [
    {"Taxon": "Latin", "Segments": [8, 37, 8, -1, 0, 13, 23, 27]},
    {"Taxon": "French", "Segments": [18, 12, -1, -1, 43, -1, 23, -1]},
    {"Taxon": "Spanish", "Segments": [19, 7, 19, 12, 0, 13, 23, 27]},
    {"Taxon": "Italian", "Segments": [18, 7, 18, -1, 27, 13, 23, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 7, 18, -1, 64, -1, 23, 27]},
    {"Taxon": "Portuguese", "Segments": [18, 7, 18, -1, 64, -1, 23, 29]}
  ]
},
{
  "Name": "Blood", "Data": [
    {"Taxon": "Latin", "Segments": [14, 27, 13, 74, -1, 7, 13, 0, 26]},
    {"Taxon": "French", "Segments": [14, 43, -1, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [14, 27, 75, 1, -1, 28, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [14, 27, 13, 1, 8, 0, -1, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 45, -1, 1, -1, 7, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 45, -1, 1, -1, 47, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [14, 27, 75, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 76, -1, 1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 27, 75, 51, -1, -1, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 47, 13, 10, -1, 0, -1, -1, -1]}
  ]
},
{
  "Name": "Bone", "Data": [
    {"Taxon": "Latin", "Segments": [-1, -1, 6, 14, 14, 15, 26]},
    {"Taxon": "French", "Segments": [-1, -1, 9, -1, 14, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 8, 0, 14, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 9, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 6, -1, 14, 15, -1]},
  ]
}
```

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```
{
  "Taxon": "Portuguese", "Segments": [-1, -1, 6, -1, 14, 15, -1]},
  "Taxon": "Catalan", "Segments": [-1, -1, 9, -1, 14, -1, -1]},
  "Taxon": "Walloon", "Segments": [-1, -1, 9, -1, 16, -1, -1]},
  "Taxon": "Friulian", "Segments": [18, 8, 31, -1, 14, -1, -1]},
  "Taxon": "Romanian", "Segments": [-1, -1, 6, -1, 14, -1, -1]}
}],
{
  "Name": "FatNoun", "Data": [
    {"Taxon": "Latin", "Segments": [27, 23, 0, 48, 0, 26]},
    {"Taxon": "Italian", "Segments": [27, 23, 7, 48, 0, -1]}
  ]
},
{
  "Name": "FatNoun-Crassia", "Data": [
    {"Taxon": "French", "Segments": [1, 36, 31, 14, -1]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, 14, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 28, 27, 16, 29]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 27, 16, 29]},
    {"Taxon": "Catalan", "Segments": [1, 28, 0, 16, -1]},
    {"Taxon": "Walloon", "Segments": [51, 55, 73, 77, -1]}
  ]
},
{
  "Name": "Egg", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 2, 8, 15, 26]},
    {"Taxon": "French", "Segments": [-1, 30, 24, -1, -1]},
    {"Taxon": "Spanish", "Segments": [8, 0, 19, 6, -1]},
    {"Taxon": "Italian", "Segments": [8, 9, 18, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 6, 18, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 6, 18, 15, -1]},
    {"Taxon": "Catalan", "Segments": [-1, 9, 8, -1, -1]},
    {"Taxon": "Walloon", "Segments": [-1, 21, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 21, 24, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 6, 8, -1, -1]}
  ]
},
{
  "Name": "Horn", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 6, 33, 13, 21]},
    {"Taxon": "French", "Segments": [51, -1, 9, 36, 13, -1]},
    {"Taxon": "Spanish", "Segments": [51, 8, 0, 28, 13, 6]},
    {"Taxon": "Italian", "Segments": [51, -1, 9, 33, 13, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 6, 36, 13, 15]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 6, 28, 13, 15]},
    {"Taxon": "Catalan", "Segments": [51, -1, 9, 33, 13, -1]},
    {"Taxon": "Walloon", "Segments": [51, 8, 31, -1, 13, -1]},
    {"Taxon": "Friulian", "Segments": [51, 8, 53, 33, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, -1, 6, 33, 13, -1]}
  ]
},
{
  "Name": "Tail", "Data": [
    {"Taxon": "Latin", "Segments": [51, 78, 23, 27, -1]},
    {"Taxon": "French", "Segments": [51, 79, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 6, 32, 27, -1]},
    {"Taxon": "Italian", "Segments": [51, 6, 23, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 8, 23, 29]},
    {"Taxon": "Portuguese", "Segments": [51, 27, 8, 23, 29]},
    {"Taxon": "Catalan", "Segments": [51, 15, -1, 27, -1]},
    {"Taxon": "Walloon", "Segments": [51, 9, 8, -1, -1]},
    {"Taxon": "Friulian", "Segments": [51, 9, 23, 31, -1]},
    {"Taxon": "Romanian", "Segments": [65, 39, 23, 4, -1]}
  ]
},
{
  "Name": "Feather", "Data": [
    {"Taxon": "Latin", "Segments": [48, 32, 21, 26, 27]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "French", "Segments": [48, 32, 22, 26, -1]},
  "Taxon": "Spanish", "Segments": [48, 32, 15, 26, 27]},
  "Taxon": "Italian", "Segments": [48, 12, 15, 26, 27]},
  "Taxon": "Catalan", "Segments": [48, 32, 6, 26, 4]},
  "Taxon": "Walloon", "Segments": [48, 32, 9, 26, -1]},
  "Taxon": "Friulian", "Segments": [48, 32, 15, 26, 31]}
}],
{
  "Name": "Feather-Penna", "Data": [
    {"Taxon": "Latin", "Segments": [48, 0, 13, 13, 27]},
    {"Taxon": "French", "Segments": [48, 31, -1, 13, -1]},
    {"Taxon": "Spanish", "Segments": [48, 0, -1, 38, 27]},
    {"Taxon": "Italian", "Segments": [48, 0, 13, 13, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 0, -1, 13, 29]},
    {"Taxon": "Portuguese", "Segments": [48, 0, -1, 13, 29]},
    {"Taxon": "Catalan", "Segments": [48, 31, -1, 38, 4]},
    {"Taxon": "Walloon", "Segments": [48, 0, -1, 13, -1]},
    {"Taxon": "Friulian", "Segments": [48, 31, -1, 13, 0]},
    {"Taxon": "Romanian", "Segments": [48, 27, -1, 13, 4]}
  ]
},
{
  "Name": "Hair", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 7, 32, 15, 14]},
    {"Taxon": "French", "Segments": [48, 8, 27, 32, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, -1, 0, 32, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, -1, 0, 32, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 0, 32, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 47, 32, 15, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 31, 32, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, -1, 25, 32, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, -1, 4, 28, -1, -1]}
  ]
},
{
  "Name": "Hair-Capillus", "Data": [
    {"Taxon": "Latin", "Segments": [51, 27, 48, 7, 32, 32, 15, 14]},
    {"Taxon": "French", "Segments": [16, 4, 18, 79, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 19, 0, -1, 5, 6, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 48, 0, 32, 32, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 19, 0, -1, 32, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 29, 67, 0, -1, 32, 15, -1]},
    {"Taxon": "Catalan", "Segments": [51, 4, 19, 31, -1, 35, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, 7, 18, 12, -1, -1, 27, -1]},
    {"Taxon": "Friulian", "Segments": [65, 27, 18, 59, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Head", "Data": [
    {"Taxon": "Latin", "Segments": [51, 27, 48, 7, -1, 20, 7, 27]},
    {"Taxon": "French", "Segments": [16, 4, 18, 31, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 67, 0, -1, 58, -1, 27]},
    {"Taxon": "Italian", "Segments": [51, 27, 18, 0, 20, 20, 14, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 19, 0, -1, 14, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [51, 29, 67, 0, -1, 14, -1, 29]},
    {"Taxon": "Catalan", "Segments": [51, 27, 48, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 53, 24, -1, -1, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 27, 48, -1, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Head-Testa", "Data": [
    {"Taxon": "Latin", "Segments": [20, 0, 14, 20, 27]},
    {"Taxon": "French", "Segments": [20, 31, -1, 20, -1]},
    {"Taxon": "Italian", "Segments": [20, 31, 14, 20, 27]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [20, 31, 14, 20, 29]},
  "Taxon": "Portuguese", "Segments": [20, 31, 16, 20, 29]},
  "Taxon": "Catalan", "Segments": [20, 0, 14, 20, 4]},
  "Taxon": "Walloon", "Segments": [46, 31, 14, -1, -1]},
  "Taxon": "Friulian", "Segments": [20, 31, 14, 20, 0]},
  "Taxon": "Romanian", "Segments": [52, 80, 14, 20, 4]}
}],
{
  "Name": "Ear", "Data": [
    {"Taxon": "Latin", "Segments": [2, 33, 7, 51, 32, 27, -1]},
    {"Taxon": "French", "Segments": [6, 36, 59, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [6, 28, 0, -1, 34, -1, 27]},
    {"Taxon": "Italian", "Segments": [6, 33, 0, 51, 51, 12, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [6, 28, 0, -1, -1, 35, 29]},
    {"Taxon": "Portuguese", "Segments": [6, 28, 60, -1, -1, 35, 29]},
    {"Taxon": "Catalan", "Segments": [15, 28, 31, -1, -1, 35, 4]},
    {"Taxon": "Walloon", "Segments": [9, 55, 56, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [6, 33, 0, -1, -1, 32, 0]},
    {"Taxon": "Romanian", "Segments": [15, 33, 0, -1, 51, -1, 0]}
  ]
},
{
  "Name": "Eye", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 6, -1, 51, 15, 32, 15, 14]},
    {"Taxon": "French", "Segments": [-1, 30, -1, 12, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 6, -1, 34, -1, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, 9, 51, 51, -1, 12, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 6, -1, -1, -1, 35, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 6, -1, -1, -1, 35, 15, -1]},
    {"Taxon": "Walloon", "Segments": [-1, 21, -1, 12, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [18, 6, -1, -1, 32, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 6, -1, 81, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Nose", "Data": [
    {"Taxon": "Latin", "Segments": [13, 53, 14, 15, 14]},
    {"Taxon": "French", "Segments": [13, 0, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [13, 27, 14, 6, -1]},
    {"Taxon": "Italian", "Segments": [13, 53, 14, 6, -1]},
    {"Taxon": "Catalan", "Segments": [13, 27, 14, -1, -1]},
    {"Taxon": "Walloon", "Segments": [13, 0, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [13, 53, 14, -1, -1]},
    {"Taxon": "Romanian", "Segments": [13, 27, 14, -1, -1]}
  ]
},
{
  "Name": "Nose-Nares", "Data": [
    {"Taxon": "Spanish", "Segments": [13, 27, 28, 7, 58, -1]},
    {"Taxon": "Italian", "Segments": [13, 27, 33, 7, 46, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 27, 28, 7, 14, -1]},
    {"Taxon": "Portuguese", "Segments": [13, 29, 28, 7, 16, -1]},
    {"Taxon": "Catalan", "Segments": [13, 53, 33, 11, 14, -1]}
  ]
},
{
  "Name": "Mouth", "Data": [
    {"Taxon": "Latin", "Segments": [19, 15, 51, 51, 27]},
    {"Taxon": "French", "Segments": [19, 15, -1, 16, -1]},
    {"Taxon": "Spanish", "Segments": [19, 6, -1, 51, 27]},
    {"Taxon": "Italian", "Segments": [19, 6, 51, 51, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 6, -1, 51, 29]},
    {"Taxon": "Portuguese", "Segments": [19, 6, -1, 51, 29]},
    {"Taxon": "Catalan", "Segments": [19, 6, -1, 51, 4]},
    {"Taxon": "Walloon", "Segments": [19, 9, 51, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Friulian", "Segments": [19, 9, -1, 65, 31]},
  "Taxon": "Romanian", "Segments": [19, 15, -1, 51, 4]}
}],
{
  "Name": "Mouth-Gula", "Data": [
    {"Taxon": "Latin", "Segments": [1, 15, 32, 27]},
    {"Taxon": "French", "Segments": [1, 30, 32, -1]},
    {"Taxon": "Spanish", "Segments": [1, 6, 32, 27]},
    {"Taxon": "Italian", "Segments": [1, 6, 32, 27]},
    {"Taxon": "Catalan", "Segments": [1, 6, 32, 4]},
    {"Taxon": "Walloon", "Segments": [1, 72, 12, -1]},
    {"Taxon": "Friulian", "Segments": [1, 9, 32, 0]},
    {"Taxon": "Romanian", "Segments": [1, 15, 28, 4]}
  ]
},
{
  "Name": "Tooth", "Data": [
    {"Taxon": "Latin", "Segments": [23, -1, 0, 13, 20, 0, 26]},
    {"Taxon": "French", "Segments": [23, -1, 43, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [23, 12, 0, 13, 20, 0, -1]},
    {"Taxon": "Italian", "Segments": [23, 31, 13, 20, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, 64, -1, 46, 7, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [23, 64, -1, 20, 47, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, 64, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, 7, 13, 20, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [23, 7, 13, 20, 0, -1, -1]}
  ]
},
{
  "Name": "Fingernail", "Data": [
    {"Taxon": "Latin", "Segments": [15, 13, 1, -1, 15, 32, 27]},
    {"Taxon": "French", "Segments": [61, -1, 1, -1, -1, 32, -1]},
    {"Taxon": "Spanish", "Segments": [15, 38, -1, -1, -1, -1, 27]},
    {"Taxon": "Italian", "Segments": [15, 13, 1, 12, -1, -1, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [15, 38, -1, -1, -1, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [15, 38, -1, -1, -1, -1, 29]},
    {"Taxon": "Walloon", "Segments": [61, -1, 1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [9, 75, 1, -1, 15, 32, 31]},
    {"Taxon": "Romanian", "Segments": [15, 13, 1, 12, -1, -1, 0]}
  ]
},
{
  "Name": "Foot", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 0, -1, 23, 0, 26]},
    {"Taxon": "French", "Segments": [48, 12, 0, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 12, 0, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [48, 12, 57, -1, 23, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 31, -1, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 31, -1, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 31, 8, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, -1, 37, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, -1, 37, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 7, 0, 49, -1, -1, -1]}
  ]
},
{
  "Name": "Leg-Gamba", "Data": [
    {"Taxon": "Latin", "Segments": [1, 27, 26, 19, 27]},
    {"Taxon": "French", "Segments": [3, 43, -1, 19, -1]},
    {"Taxon": "Spanish", "Segments": [1, 27, 26, 19, 27]},
    {"Taxon": "Italian", "Segments": [1, 27, 26, 19, 27]},
    {"Taxon": "Catalan", "Segments": [51, 27, 26, 19, 4]},
    {"Taxon": "Walloon", "Segments": [10, 82, -1, 48, -1]},
    {"Taxon": "Friulian", "Segments": [83, 27, 26, 19, 0]},
    {"Taxon": "Romanian", "Segments": [1, 27, 26, 19, 4]}
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
}},
{"Name": "Leg-Perna", "Data": [
  {"Taxon": "Latin", "Segments": [48, 0, 33, 13, 27, -1]},
  {"Taxon": "Spanish", "Segments": [48, 12, 0, 28, 13, 27]},
  {"Taxon": "Italian", "Segments": [48, 31, 33, 13, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [48, 31, 36, 13, 29, -1]},
  {"Taxon": "Portuguese", "Segments": [48, 31, 28, 13, 29, -1]},
  {"Taxon": "Catalan", "Segments": [48, 31, 33, 13, 4, -1]},
  {"Taxon": "Romanian", "Segments": [1, 27, 26, 19, 4, -1]}
]},
{"Name": "Leg-Petiolus", "Data": [
  {"Taxon": "Latin", "Segments": [48, 0, -1, 20, 7, 6, 32, 15, 14]},
  {"Taxon": "Spanish", "Segments": [48, 0, -1, 58, 7, 6, 32, 6, -1]},
  {"Taxon": "Italian", "Segments": [48, 7, 20, 46, -1, 9, 32, 6, -1]},
  {"Taxon": "Friulian", "Segments": [48, 31, 51, 6, 32, -1, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [48, 7, -1, 46, 12, 6, 33, -1, -1]}
]},
{"Name": "Knee-Geniculum", "Data": [
  {"Taxon": "Latin", "Segments": [1, -1, 0, 13, 7, -1, 51, 15, 32, 15, 26]},
  {"Taxon": "French", "Segments": [3, -1, 4, 13, 15, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [-1, -1, 7, 13, 6, -1, 34, 6, -1, -1, -1]},
  {"Taxon": "Italian", "Segments": [10, -1, 7, 13, 9, 51, 51, 12, -1, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 15, 0, -1, -1, -1, -1, -1, 35, 15, -1]},
  {"Taxon": "Portuguese", "Segments": [3, 8, 29, -1, -1, -1, -1, -1, 35, 15, -1]},
  {"Taxon": "Catalan", "Segments": [3, -1, 4, 13, 6, -1, -1, -1, 35, -1, -1]},
  {"Taxon": "Walloon", "Segments": [10, -1, 7, 13, 9, -1, -1, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [10, -1, 0, 13, 6, -1, -1, -1, 32, 7, -1]},
  {"Taxon": "Romanian", "Segments": [10, -1, 0, 13, 15, 13, 81, -1, -1, -1, -1]}
]},
{"Name": "Hand", "Data": [
  {"Taxon": "Latin", "Segments": [26, 27, 13, 15, 26]},
  {"Taxon": "French", "Segments": [26, 64, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 27, 13, 6, -1]},
  {"Taxon": "Italian", "Segments": [26, 53, 13, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 63, -1, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [26, 63, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [26, 64, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 27, 75, -1, -1]},
  {"Taxon": "Romanian", "Segments": [26, 47, 13, 4, -1]}
]},
{"Name": "Wing", "Data": [
  {"Taxon": "Latin", "Segments": [53, 32, 27]},
  {"Taxon": "French", "Segments": [0, 32, -1]},
  {"Taxon": "Spanish", "Segments": [27, 32, 27]},
  {"Taxon": "Italian", "Segments": [27, 32, 27]},
  {"Taxon": "PortugueseBrazil", "Segments": [27, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [27, -1, -1]},
  {"Taxon": "Catalan", "Segments": [27, 32, 4]},
  {"Taxon": "Walloon", "Segments": [0, 32, -1]},
  {"Taxon": "Friulian", "Segments": [27, 32, 0]}
]},
{"Name": "Belly", "Data": [
  {"Taxon": "Latin", "Segments": [8, -1, 0, 13, 20, 33, 0, 26]},
  {"Taxon": "French", "Segments": [18, -1, 43, -1, 20, 36, -1, -1]},
  {"Taxon": "Spanish", "Segments": [19, 12, 0, 13, 20, 28, 0, -1]},
  {"Taxon": "Catalan", "Segments": [19, -1, 0, 13, 20, 28, 4, -1]},
```

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```
{
  "Taxon": "Walloon", "Segments": [18, -1, 62, -1, 20, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [18, 7, 13, 20, 33, 7, -1, -1]},
  "Taxon": "Romanian", "Segments": [18, 7, 13, 20, 33, 0, -1, -1]}
}],
{
  "Name": "Belly-Pantex", "Data": [
    {"Taxon": "Latin", "Segments": [48, 27, 13, 20, 7, 51, 0, 26]},
    {"Taxon": "French", "Segments": [48, 43, -1, 14, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 27, 13, 58, -1, -1, -1, 27]},
    {"Taxon": "Italian", "Segments": [48, 27, 13, 46, -1, -1, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 45, -1, 14, -1, -1, 29, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 45, -1, 14, -1, -1, 29, -1]},
    {"Taxon": "Catalan", "Segments": [48, 27, 38, 16, -1, -1, 4, -1]},
    {"Taxon": "Walloon", "Segments": [48, 82, -1, 14, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 27, 13, 52, -1, -1, 0, -1]},
    {"Taxon": "Romanian", "Segments": [48, 47, 13, 20, 0, 46, 0, -1]}
  ]
},
{
  "Name": "Guts", "Data": [
    {"Taxon": "Latin", "Segments": [7, 13, 20, 0, 33, 53, 13, 0, 27]},
    {"Taxon": "French", "Segments": [43, -1, 20, -1, 36, 27, -1, -1, 12]},
    {"Taxon": "Spanish", "Segments": [0, 13, 20, -1, 28, 27, 38, -1, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [44, -1, 20, -1, 28, 45, 38, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [64, -1, 20, -1, 28, 29, 38, -1, 29]},
    {"Taxon": "Catalan", "Segments": [4, 13, 20, -1, 28, 27, 38, -1, 4]}
  ]
},
{
  "Name": "Neck", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 6, 32, 32, 15, 26]},
    {"Taxon": "French", "Segments": [51, -1, 15, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 8, 0, -1, 5, 6, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 6, 32, 32, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 9, -1, 32, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 9, -1, 32, 15, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 9, -1, 35, -1, -1]},
    {"Taxon": "Friulian", "Segments": [51, 8, 31, -1, 32, -1, -1]}
  ]
},
{
  "Name": "Back", "Data": [
    {"Taxon": "Latin", "Segments": [23, -1, 6, 33, 14, 15, 26]},
    {"Taxon": "French", "Segments": [23, -1, 6, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [23, -1, 9, 14, 14, 6, -1]},
    {"Taxon": "Catalan", "Segments": [23, -1, 6, -1, 14, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, -1, 9, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, 8, 0, -1, 14, -1, -1]},
    {"Taxon": "Romanian", "Segments": [23, -1, 6, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Back-Spatula", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 27, 20, 15, 32, 27]},
    {"Taxon": "French", "Segments": [0, -1, 48, 6, -1, -1, 32, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 48, 27, 32, -1, 23, 27]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 27, 32, -1, 32, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 16, 48, 27, 23, -1, 8, 29]},
    {"Taxon": "Portuguese", "Segments": [7, 16, 48, 27, 23, -1, 8, 29]},
    {"Taxon": "Catalan", "Segments": [4, 14, 48, 27, 35, -1, 35, 4]},
    {"Taxon": "Walloon", "Segments": [-1, 14, 48, 27, -1, -1, 32, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 48, 27, -1, -1, 32, 31]},
    {"Taxon": "Romanian", "Segments": [-1, 14, 48, 27, 20, -1, -1, 0]}
  ]
},
{
  "Name": "Breast", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin", "Segments": [14, 7, 13, 15, 14]},
  "Taxon": "French", "Segments": [14, 64, -1, -1, -1]},
  "Taxon": "Spanish", "Segments": [14, 0, 13, 6, -1]},
  "Taxon": "Italian", "Segments": [14, 0, 13, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [14, 59, -1, 15, -1]},
  "Taxon": "Portuguese", "Segments": [14, 60, -1, 15, -1]},
  "Taxon": "Catalan", "Segments": [14, 7, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [14, 0, 13, -1, -1]},
  "Taxon": "Romanian", "Segments": [14, 27, 13, -1, -1]}
}],
{
  "Name": "Breast-Pectus", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 0, 51, 20, 15, 14]},
    {"Taxon": "French", "Segments": [48, -1, 7, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, -1, 0, -1, 46, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, -1, 31, 20, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 59, -1, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 60, -1, 20, 15, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 7, -1, 20, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, -1, 31, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 12, 0, 48, 20, -1, -1]}
  ]
},
{
  "Name": "Heart", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 6, 33, -1]},
    {"Taxon": "French", "Segments": [51, -1, 30, 36, -1]},
    {"Taxon": "Italian", "Segments": [51, 8, 9, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 9, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 6, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 9, 33, -1]},
    {"Taxon": "Walloon", "Segments": [51, -1, 21, 36, -1]},
    {"Taxon": "Friulian", "Segments": [51, -1, 21, 33, -1]}
  ]
},
{
  "Name": "Heart-Anima", "Data": [
    {"Taxon": "Latin", "Segments": [27, 13, 7, 26, 27]},
    {"Taxon": "French", "Segments": [84, -1, -1, 26, -1]},
    {"Taxon": "Spanish", "Segments": [27, 32, -1, 26, 27]},
    {"Taxon": "Italian", "Segments": [27, 32, -1, 26, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 8, -1, 26, 29]},
    {"Taxon": "Portuguese", "Segments": [27, 32, -1, 26, 29]},
    {"Taxon": "Walloon", "Segments": [73, -1, -1, 26, -1]},
    {"Taxon": "Friulian", "Segments": [27, 13, 7, 26, 0]},
    {"Taxon": "Romanian", "Segments": [7, 13, 7, 26, 4]}
  ]
},
{
  "Name": "Liver", "Data": [
    {"Taxon": "Latin", "Segments": [24, -1, 37, 51, 53, 20, 15, 26]},
    {"Taxon": "French", "Segments": [24, 8, 84, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, -1, 7, 85, 27, 50, 6, -1]},
    {"Taxon": "Italian", "Segments": [24, -1, 0, 1, 27, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, -1, 7, 1, 29, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [24, -1, 7, 85, 29, 50, 15, -1]},
    {"Taxon": "Catalan", "Segments": [24, -1, 0, 10, 4, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, -1, 72, -1, -1, 20, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, -1, 7, 12, 53, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, -1, 7, 51, 27, 20, -1, -1]}
  ]
},
{
  "Name": "Sun", "Data": [
    {"Taxon": "Latin", "Segments": [14, 2, 32, 0, 26]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish", "Segments": [14, 6, 32, -1, -1]},
  "Taxon": "Italian", "Segments": [14, 6, 32, 0, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [14, 9, 8, -1, -1]},
  "Taxon": "Portuguese", "Segments": [14, 9, 68, -1, -1]},
  "Taxon": "Catalan", "Segments": [14, 9, 32, -1, -1]},
  "Taxon": "Walloon", "Segments": [14, 9, 32, 9, -1]},
  "Taxon": "Romanian", "Segments": [14, 39, 28, 0, -1]}
}],
{
  "Name": "Sun-Solliculus", "Data": [
    "Taxon": "Latin", "Segments": [14, 6, 32, 7, 51, 15, 32, 15, 14]},
    "Taxon": "French", "Segments": [14, 9, 32, 86, -1, -1, -1, -1, -1]},
    "Taxon": "Friulian", "Segments": [14, 6, 33, 0, -1, -1, 32, 7, -1]}
  ],
  "Name": "Moon", "Data": [
    "Taxon": "Latin", "Segments": [32, 21, 13, 27]},
    "Taxon": "French", "Segments": [32, 22, 13, -1]},
    "Taxon": "Spanish", "Segments": [32, 15, 13, 27]},
    "Taxon": "Italian", "Segments": [32, 15, 13, 27]},
    "Taxon": "PortugueseBrazil", "Segments": [32, 15, -1, 29]},
    "Taxon": "Portuguese", "Segments": [32, 15, -1, 29]},
    "Taxon": "Catalan", "Segments": [35, 15, 13, 4]},
    "Taxon": "Walloon", "Segments": [32, 79, 13, -1]},
    "Taxon": "Friulian", "Segments": [32, 15, 13, 0]},
    "Taxon": "Romanian", "Segments": [32, 15, 13, 4]}
  ],
  "Name": "Star", "Data": [
    "Taxon": "Latin", "Segments": [-1, 14, 20, -1, 25, 32, 32, 27]},
    "Taxon": "French", "Segments": [0, -1, 20, 8, 27, -1, 32, -1]},
    "Taxon": "Spanish", "Segments": [0, 14, 20, 28, 0, -1, 5, 27]},
    "Taxon": "Italian", "Segments": [-1, 14, 20, -1, 0, 32, 32, 27]},
    "Taxon": "PortugueseBrazil", "Segments": [7, 14, 20, 28, 0, -1, 32, 29]},
    "Taxon": "Portuguese", "Segments": [47, 16, 20, 28, 0, -1, 32, 29]},
    "Taxon": "Catalan", "Segments": [4, 14, 20, -1, 31, -1, 32, -1]},
    "Taxon": "Walloon", "Segments": [-1, 14, 20, -1, 72, -1, 32, -1]},
    "Taxon": "Friulian", "Segments": [-1, 14, 20, -1, 31, -1, 32, 0]},
    "Taxon": "Romanian", "Segments": [-1, 14, 20, -1, 80, -1, -1, -1]}
  ],
  "Name": "Water", "Data": [
    "Taxon": "Latin", "Segments": [27, -1, 87, -1, 27]},
    "Taxon": "French", "Segments": [6, -1, -1, -1, -1]},
    "Taxon": "Spanish", "Segments": [27, -1, 85, 8, 27]},
    "Taxon": "Italian", "Segments": [27, 51, 51, 8, 27]},
    "Taxon": "PortugueseBrazil", "Segments": [27, -1, 1, 8, 29]},
    "Taxon": "Portuguese", "Segments": [27, -1, 1, 8, 29]},
    "Taxon": "Catalan", "Segments": [56, -1, 85, 8, 4]},
    "Taxon": "Walloon", "Segments": [57, -1, -1, 8, -1]},
    "Taxon": "Friulian", "Segments": [27, -1, 1, -1, 0]},
    "Taxon": "Romanian", "Segments": [27, -1, 48, -1, 4]}
  ],
  "Name": "Rain", "Data": [
    "Taxon": "Latin", "Segments": [48, 32, 15, -1, 8, 7, 27]},
    "Taxon": "French", "Segments": [48, 32, 69, -1, -1, 7, -1]},
    "Taxon": "Spanish", "Segments": [5, -1, 15, -1, 19, 12, 27]},
    "Taxon": "Italian", "Segments": [48, 12, 6, 23, 10, -1, 27]},
    "Taxon": "PortugueseBrazil", "Segments": [16, -1, 15, -1, 18, -1, 29]},
    "Taxon": "Portuguese", "Segments": [16, -1, 15, -1, 18, -1, 29]},
  ]
}
```

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```
{
  "Taxon": "Catalan", "Segments": [48, 32, 15, -1, 3, -1, 4]},
  "Taxon": "Walloon", "Segments": [48, 32, 21, -1, 36, -1, -1]},
  "Taxon": "Friulian", "Segments": [48, 32, 6, -1, -1, 12, 0]},
  "Taxon": "Romanian", "Segments": [48, 32, 39, -1, -1, 12, 0]}
}],
{
  "Name": "River", "Data": [
    {"Taxon": "Latin", "Segments": [24, 32, 21, 26, 0, 13]},
    {"Taxon": "Italian", "Segments": [24, 12, 15, 26, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 32, 15, 26, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 32, 15, 26, 47, -1]},
    {"Taxon": "Friulian", "Segments": [24, 32, 15, 26, -1, -1]}
  ]
},
{
  "Name": "River-Rivus", "Data": [
    {"Taxon": "Latin", "Segments": [33, 37, 8, 15, 14]},
    {"Taxon": "French", "Segments": [36, 22, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [33, 7, -1, 6, -1]},
    {"Taxon": "Italian", "Segments": [33, 7, -1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 7, -1, 8, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 7, -1, 15, -1]},
    {"Taxon": "Catalan", "Segments": [33, 7, -1, 8, -1]},
    {"Taxon": "Romanian", "Segments": [33, 47, -1, 8, -1]}
  ]
},
{
  "Name": "River-Riparia", "Data": [
    {"Taxon": "Latin", "Segments": [33, 37, 48, -1, 53, 33, 7, 27]},
    {"Taxon": "French", "Segments": [36, 7, 18, 12, 0, 36, -1, -1]},
    {"Taxon": "Walloon", "Segments": [33, 7, 18, 37, -1, 36, -1, -1]}
  ]
},
{
  "Name": "Lake", "Data": [
    {"Taxon": "Latin", "Segments": [32, 27, 51, 15, 26]},
    {"Taxon": "French", "Segments": [32, 27, 51, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 27, 1, 6, -1]},
    {"Taxon": "Italian", "Segments": [32, 27, 1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 27, 1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 27, 85, 15, -1]},
    {"Taxon": "Catalan", "Segments": [35, 27, 51, -1, -1]},
    {"Taxon": "Walloon", "Segments": [32, 27, 51, -1, -1]},
    {"Taxon": "Friulian", "Segments": [32, 53, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [32, 27, 51, -1, -1]}
  ]
},
{
  "Name": "Sea", "Data": [
    {"Taxon": "Latin", "Segments": [26, 27, 33, 0]},
    {"Taxon": "French", "Segments": [26, 31, 36, -1]},
    {"Taxon": "Spanish", "Segments": [26, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [26, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [26, 27, 33, -1]},
    {"Taxon": "Walloon", "Segments": [26, 0, 36, -1]},
    {"Taxon": "Friulian", "Segments": [26, 53, 33, -1]},
    {"Taxon": "Romanian", "Segments": [26, 27, 33, 0]}
  ]
},
{
  "Name": "Salt", "Data": [
    {"Taxon": "Latin", "Segments": [14, 53, 32, 0, 26]},
    {"Taxon": "French", "Segments": [14, 31, 32, -1, -1]},
    {"Taxon": "Spanish", "Segments": [14, 27, 32, -1, -1]},
    {"Taxon": "Italian", "Segments": [14, 27, 32, 0, -1]},
  ]
}
```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [14, 27, 8, -1, -1]},
  "Taxon": "Portuguese", "Segments": [14, 27, 32, -1, -1]},
  "Taxon": "Catalan", "Segments": [14, 27, 32, -1, -1]},
  "Taxon": "Walloon", "Segments": [14, 0, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [14, 53, 32, -1, -1]},
  "Taxon": "Romanian", "Segments": [14, 27, 33, 0, -1]}
}],
{
  "Name": "Stone", "Data": [
    {"Taxon": "Latin", "Segments": [14, 27, 51, 14, 15, 26]},
    {"Taxon": "Italian", "Segments": [14, 27, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 59, -1, 16, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 60, -1, 16, 15, -1]}
  ]
},
{
  "Name": "Stone-Petra", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 0, 20, 33, 27]},
    {"Taxon": "French", "Segments": [48, 12, 0, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [48, 12, 0, 50, 28, 27]},
    {"Taxon": "Italian", "Segments": [48, 12, 25, 20, 33, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 0, 23, 28, 29]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 31, 50, 28, 29]},
    {"Taxon": "Catalan", "Segments": [48, -1, 0, 50, 28, 4]},
    {"Taxon": "Walloon", "Segments": [48, -1, 37, -1, 36, -1]},
    {"Taxon": "Friulian", "Segments": [48, 12, 25, -1, 33, 0]},
    {"Taxon": "Romanian", "Segments": [48, 12, 27, 20, 28, 4]}
  ]
},
{
  "Name": "Stone-Lapidem", "Data": [
    {"Taxon": "Latin", "Segments": [32, 27, 48, 7, 23, 0, 26]},
    {"Taxon": "Spanish", "Segments": [32, 27, 15, -1, 23, 0, -1]},
    {"Taxon": "Italian", "Segments": [32, 27, 48, 7, 23, 0, -1]}
  ]
},
{
  "Name": "Sand", "Data": [
    {"Taxon": "Latin", "Segments": [40, 27, 33, 25, 13, 84]},
    {"Taxon": "Spanish", "Segments": [-1, 27, 28, 0, 13, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 27, 28, 59, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [-1, 29, 28, 60, -1, 29]},
    {"Taxon": "Catalan", "Segments": [-1, 4, 28, 0, 13, 4]},
    {"Taxon": "Romanian", "Segments": [-1, 27, 33, 7, 13, 4]}
  ]
},
{
  "Name": "Sand-Sabulum", "Data": [
    {"Taxon": "Latin", "Segments": [14, 27, 19, 15, 32, 15, 26]},
    {"Taxon": "French", "Segments": [14, 27, 19, -1, 32, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 56, 67, -1, 28, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 56, 67, -1, 28, 15, -1]},
    {"Taxon": "Catalan", "Segments": [14, 6, 33, 4, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 2, 18, 12, 61, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 27, 18, 27, 32, 9, 13]}
  ]
},
{
  "Name": "Sand-Sabula", "Data": [
    {"Taxon": "Latin", "Segments": [14, 27, -1, 19, 15, 32, 27]},
    {"Taxon": "Italian", "Segments": [14, 27, 19, 19, -1, 12, 27]}
  ]
},
{
  "Name": "Dust", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 32, 8, 0, 33, 0, 26]},
    {"Taxon": "French", "Segments": [48, 15, 23, 36, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [48, 6, 32, 18, 0, 33, 0, -1]},
    {"Taxon": "Friulian", "Segments": [48, 9, 32, 18, 27, 33, -1, -1]},
  ]
}
```


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```
{
  "Taxon": "Romanian", "Segments": [48, 15, 32, 19, 0, 33, 0, -1]}
}],
{
  "Name": "Dust-Pulwus", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 32, 8, 15, 14]},
    {"Taxon": "Spanish", "Segments": [48, 6, 32, 19, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 9, -1, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 9, -1, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, 6, 32, 14, -1, -1]}
  ]
},
{
  "Name": "Earth", "Data": [
    {"Taxon": "Latin", "Segments": [20, -1, 0, 33, 33, 27]},
    {"Taxon": "French", "Segments": [20, -1, 0, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [20, 12, 0, -1, 33, 27]},
    {"Taxon": "Italian", "Segments": [20, -1, 31, 33, 33, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, -1, 0, -1, 36, 29]},
    {"Taxon": "Portuguese", "Segments": [20, -1, 31, -1, 36, 29]},
    {"Taxon": "Catalan", "Segments": [20, -1, 31, -1, 33, 4]},
    {"Taxon": "Walloon", "Segments": [20, -1, 57, -1, 36, -1]},
    {"Taxon": "Friulian", "Segments": [20, 12, 31, -1, 33, 0]},
    {"Taxon": "Romanian", "Segments": [52, -1, 27, -1, 33, 4]}
  ]
},
{
  "Name": "Cloud", "Data": [
    {"Taxon": "Latin", "Segments": [13, 21, 19, 25, 14]},
    {"Taxon": "French", "Segments": [13, 22, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [13, 15, 19, 0, -1]},
    {"Taxon": "Italian", "Segments": [13, 15, 19, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 15, 18, 41, -1]},
    {"Taxon": "Portuguese", "Segments": [13, 15, 18, 54, -1]}
  ]
},
{
  "Name": "Cloud-Secondary", "Data": [
    {"Taxon": "Latin", "Segments": [13, 21, 19, 7, 32, 15, 14]},
    {"Taxon": "Spanish", "Segments": [13, 15, 19, -1, 32, 6, -1]},
    {"Taxon": "Italian", "Segments": [13, 15, 18, 6, 32, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 15, 19, 32, 27, 23, 15]},
    {"Taxon": "Portuguese", "Segments": [13, 15, 19, 32, 27, 23, 15]},
    {"Taxon": "Catalan", "Segments": [13, 15, 67, 15, 68, -1, -1]},
    {"Taxon": "Friulian", "Segments": [13, 21, -1, -1, 32, -1, -1]},
    {"Taxon": "Romanian", "Segments": [13, 6, -1, -1, 33, -1, -1]}
  ]
},
{
  "Name": "Fog", "Data": [
    {"Taxon": "Latin", "Segments": [51, 53, 32, 37, 1, 7, 13, 0, 26]},
    {"Taxon": "Spanish", "Segments": [51, 27, 32, 7, -1, -1, 13, 27, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 32, 7, 10, 7, 13, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 32, 7, 3, 41, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 29, 32, 7, 3, 54, -1, -1, -1]}
  ]
},
{
  "Name": "Fog-Nebula", "Data": [
    {"Taxon": "Latin", "Segments": [13, -1, 0, -1, 19, 15, 32, 27]},
    {"Taxon": "French", "Segments": [13, 12, 9, -1, -1, -1, 32, 22]},
    {"Taxon": "Spanish", "Segments": [13, 12, 0, -1, 19, -1, 32, 27]},
    {"Taxon": "Italian", "Segments": [13, -1, 0, 19, 19, -1, 12, 27]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 31, -1, 18, 8, -1, 29]},
    {"Taxon": "Portuguese", "Segments": [13, -1, 31, -1, 18, 8, -1, 29]},
    {"Taxon": "Catalan", "Segments": [13, -1, 0, -1, -1, 8, 32, 4]},
    {"Taxon": "Romanian", "Segments": [13, 0, 1, 15, 33, 4, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Fog-Tenebrae", "Data": [
    { "Taxon": "Latin", "Segments": [20, 0, 13, 25, 19, 33, 56]},
    { "Taxon": "Italian", "Segments": [20, 57, 13, 0, 19, 33, 0]}
  ]},
{
  "Name": "Fog-Tenebras", "Data": [
    { "Taxon": "Latin", "Segments": [20, -1, 0, 13, -1, 25, 19, 33, 53, 14]},
    { "Taxon": "French", "Segments": [20, -1, 0, 13, -1, 31, 19, 36, -1, -1]},
    { "Taxon": "Spanish", "Segments": [20, -1, 7, 13, 12, 0, 19, 32, 27, 14]},
    { "Taxon": "Italian", "Segments": [20, -1, 57, 13, -1, 0, 19, 33, 0, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [20, 28, -1, -1, -1, 31, 18, -1, 29, 14]},
    { "Taxon": "Portuguese", "Segments": [20, 28, -1, -1, -1, 31, 18, -1, 29, 16]},
    { "Taxon": "Catalan", "Segments": [20, -1, 4, 13, -1, 0, 19, 28, 4, 14]}
  ]},
{
  "Name": "Fog-Fumata", "Data": [
    { "Taxon": "Latin", "Segments": [24, 21, 26, 53, 20, 27]},
    { "Taxon": "French", "Segments": [24, 22, 26, 0, -1, -1]},
    { "Taxon": "Spanish", "Segments": [24, 15, 26, 27, 20, 27]},
    { "Taxon": "Italian", "Segments": [24, 15, 26, 53, 20, 27]},
    { "Taxon": "PortugueseBrazil", "Segments": [24, 15, 26, 27, 14, 29]},
    { "Taxon": "Portuguese", "Segments": [24, 15, 26, 27, 14, 29]},
    { "Taxon": "Friulian", "Segments": [24, 15, 26, 27, 20, 0]}
  ]},
{
  "Name": "Fog-Caecia", "Data": [
    { "Taxon": "Latin", "Segments": [51, 56, 51, 7, 27]},
    { "Taxon": "Romanian", "Segments": [46, 80, 46, -1, 4]}
  ]},
{
  "Name": "Sky", "Data": [
    { "Taxon": "Latin", "Segments": [51, -1, 56, 32, 15, 26]},
    { "Taxon": "French", "Segments": [14, 12, 31, 32, -1, -1]},
    { "Taxon": "Spanish", "Segments": [58, 12, 0, 32, 6, -1]},
    { "Taxon": "Italian", "Segments": [46, -1, 31, 32, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [14, -1, 31, 8, -1, -1]},
    { "Taxon": "Portuguese", "Segments": [14, -1, 31, 8, -1, -1]},
    { "Taxon": "Catalan", "Segments": [14, -1, 31, 32, -1, -1]},
    { "Taxon": "Walloon", "Segments": [14, -1, 37, 36, -1, -1]},
    { "Taxon": "Friulian", "Segments": [46, -1, 37, 32, -1, -1]},
    { "Taxon": "Romanian", "Segments": [46, -1, 0, 28, -1, -1]}
  ]},
{
  "Name": "Wind", "Data": [
    { "Taxon": "Latin", "Segments": [8, -1, 0, 13, 20, 15, 26]},
    { "Taxon": "French", "Segments": [18, -1, 43, -1, -1, -1, -1]},
    { "Taxon": "Spanish", "Segments": [19, 12, 0, 13, 20, 6, -1]},
    { "Taxon": "Italian", "Segments": [18, -1, 31, 13, 20, 6, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [18, -1, 64, -1, 20, 15, -1]},
    { "Taxon": "Portuguese", "Segments": [18, -1, 64, -1, 20, 15, -1]},
    { "Taxon": "Catalan", "Segments": [19, -1, 0, 13, -1, -1, -1]},
    { "Taxon": "Walloon", "Segments": [18, -1, 64, -1, -1, -1, -1]},
    { "Taxon": "Friulian", "Segments": [18, -1, 7, 13, 20, -1, -1]},
    { "Taxon": "Romanian", "Segments": [18, -1, 47, 13, 20, -1, -1]}
  ]},
{
  "Name": "Snow", "Data": [
    { "Taxon": "Latin", "Segments": [13, -1, 7, 8, 0, 26]},
    { "Taxon": "Spanish", "Segments": [13, 12, 0, 19, 0, -1]},
    { "Taxon": "Italian", "Segments": [13, -1, 0, 18, 0, -1]},
    { "Taxon": "PortugueseBrazil", "Segments": [13, -1, 31, 18, 7, -1]},
    { "Taxon": "Portuguese", "Segments": [13, -1, 31, 18, 47, -1]},
  ]}
}
```

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```
{
  "Taxon": "Catalan", "Segments": [13, -1, 0, 8, -1, -1]},
  "Taxon": "Walloon", "Segments": [13, 37, 24, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [13, -1, 25, 24, -1, -1]},
  "Taxon": "Romanian", "Segments": [13, -1, 80, -1, -1, -1]}
}],
{
  "Name": "Ice", "Data": [
    {"Taxon": "Latin", "Segments": [1, 0, 32, 21]},
    {"Taxon": "French", "Segments": [3, 31, 32, -1]},
    {"Taxon": "Spanish", "Segments": [5, 0, 32, 6]},
    {"Taxon": "Italian", "Segments": [10, 31, 32, 6]},
    {"Taxon": "Catalan", "Segments": [3, 31, 68, -1]},
    {"Taxon": "Romanian", "Segments": [10, 0, 33, -1]}
  ]
},
{
  "Name": "Ice-Glaciers", "Data": [
    {"Taxon": "French", "Segments": [1, 32, 27, -1, 14, -1]},
    {"Taxon": "Italian", "Segments": [1, 12, 27, 20, 46, 27]},
    {"Taxon": "Catalan", "Segments": [1, 32, 27, -1, 14, -1]},
    {"Taxon": "Walloon", "Segments": [1, 32, 31, -1, 14, -1]},
    {"Taxon": "Friulian", "Segments": [1, 32, 27, -1, 46, 0]},
    {"Taxon": "Romanian", "Segments": [1, -1, 80, -1, 52, 4]}
  ]
},
{
  "Name": "Smoke", "Data": [
    {"Taxon": "Latin", "Segments": [24, 21, 26, 15, 14]},
    {"Taxon": "Spanish", "Segments": [-1, 15, 26, 6, -1]},
    {"Taxon": "Italian", "Segments": [24, 15, 26, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 15, 26, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 15, 26, 15, -1]},
    {"Taxon": "Catalan", "Segments": [24, 15, 26, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 15, 26, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, 15, 26, -1, -1]}
  ]
},
{
  "Name": "Fire-Focus", "Data": [
    {"Taxon": "Latin", "Segments": [24, -1, 6, 51, 15, 26]},
    {"Taxon": "French", "Segments": [24, -1, 79, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 8, 0, 1, 6, -1]},
    {"Taxon": "Italian", "Segments": [24, 8, 9, 51, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, -1, 6, 1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [24, -1, 6, 85, 15, -1]},
    {"Taxon": "Catalan", "Segments": [24, -1, 9, 51, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, -1, 72, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, -1, 21, 51, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, -1, 6, 51, -1, -1]}
  ]
},
{
  "Name": "Ash", "Data": [
    {"Taxon": "Latin", "Segments": [51, 7, 13, 0, -1, 33, 0, 26]},
    {"Taxon": "French", "Segments": [14, 43, -1, -1, 23, 36, -1, -1]},
    {"Taxon": "Italian", "Segments": [46, 0, 13, 0, -1, 33, 0, -1]},
    {"Taxon": "Catalan", "Segments": [14, 31, 13, -1, 23, 33, 4, -1]},
    {"Taxon": "Walloon", "Segments": [14, 88, -1, -1, 23, -1, -1, -1]}
  ]
},
{
  "Name": "Ash-Cinisia", "Data": [
    {"Taxon": "Spanish", "Segments": [58, 0, 13, 7, 58, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 44, -1, -1, 49, 29, 16]},
    {"Taxon": "Portuguese", "Segments": [14, 44, -1, -1, 49, 29, 16]},
    {"Taxon": "Friulian", "Segments": [46, 7, 13, 7, 49, 31, -1]},
    {"Taxon": "Romanian", "Segments": [46, 0, 13, 15, 16, 4, -1]}
  ]
}
```

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```
}},
{"Name": "Road", "Data": [
  {"Taxon": "Latin", "Segments": [8, 7, 27]},
  {"Taxon": "French", "Segments": [18, 8, 27]},
  {"Taxon": "Spanish", "Segments": [19, 7, 27]},
  {"Taxon": "Italian", "Segments": [18, 7, 27]},
  {"Taxon": "PortugueseBrazil", "Segments": [18, 7, 29]},
  {"Taxon": "Portuguese", "Segments": [18, 7, 29]},
  {"Taxon": "Catalan", "Segments": [19, 7, 4]}
]},
{"Name": "Road-Strata", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 14, 20, 33, 53, 20, 27]},
  {"Taxon": "Spanish", "Segments": [0, 14, 20, 28, 27, 23, 27]},
  {"Taxon": "Italian", "Segments": [-1, 14, 20, 33, 27, 23, 27]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 20, 28, 27, 23, 29]},
  {"Taxon": "Portuguese", "Segments": [7, 16, 20, 28, 27, 50, 29]}
]},
{"Name": "Road-Camminus", "Data": [
  {"Taxon": "Latin", "Segments": [51, 27, 26, 26, 37, 13, 15, 26]},
  {"Taxon": "French", "Segments": [16, 4, -1, 26, 62, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [51, 27, -1, 26, 7, 13, 6, -1]},
  {"Taxon": "Italian", "Segments": [51, 27, 26, 26, 7, 13, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [51, 27, -1, 26, 44, 38, 15, -1]},
  {"Taxon": "Portuguese", "Segments": [51, 29, -1, 26, 7, 38, 15, -1]},
  {"Taxon": "Catalan", "Segments": [51, 4, -1, 26, 7, -1, -1, -1]}
]},
{"Name": "Mountain", "Data": [
  {"Taxon": "Latin", "Segments": [26, 6, 13, 20, 0, 26]},
  {"Taxon": "French", "Segments": [26, 42, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 6, 13, 20, 0, -1]},
  {"Taxon": "Italian", "Segments": [26, 6, 13, 20, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 61, -1, 46, 7, -1]},
  {"Taxon": "Portuguese", "Segments": [26, 61, -1, 20, 47, -1]},
  {"Taxon": "Catalan", "Segments": [26, 15, 13, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 9, 13, 20, -1, -1]},
  {"Taxon": "Romanian", "Segments": [26, 15, 13, 20, 31, -1]}
]},
{"Name": "Mountain-Montanea", "Data": [
  {"Taxon": "Latin", "Segments": [26, 6, 13, 20, 53, -1, 13, 0, 27]},
  {"Taxon": "French", "Segments": [26, 61, -1, 20, 27, -1, 38, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 6, 13, 20, 27, -1, 38, -1, 27]},
  {"Taxon": "Italian", "Segments": [26, 6, 13, 20, 27, 38, 38, -1, 27]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 61, -1, 20, 45, -1, 38, -1, 29]},
  {"Taxon": "Portuguese", "Segments": [26, 61, -1, 20, 29, -1, 38, -1, 29]},
  {"Taxon": "Catalan", "Segments": [26, 15, 13, 20, 27, -1, 38, -1, 4]},
  {"Taxon": "Walloon", "Segments": [26, 61, -1, 20, 27, -1, 38, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 9, 13, 20, 27, -1, 38, 0, -1]}
]},
{"Name": "Night", "Data": [
  {"Taxon": "Latin", "Segments": [13, -1, 6, 65, 20, 0, 26]},
  {"Taxon": "French", "Segments": [13, 69, 7, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [13, -1, 6, -1, 46, 0, -1]},
  {"Taxon": "Italian", "Segments": [13, -1, 9, 20, 20, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 17, 20, 47, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [13, -1, 17, 20, 47, -1, -1]},
  {"Taxon": "Catalan", "Segments": [13, -1, 7, -1, 20, -1, -1]},
```

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```
{
  "Taxon": "Walloon", "Segments": [13, -1, 22, -1, 20, -1, -1]},
  {"Taxon": "Friulian", "Segments": [38, -1, 9, -1, 20, -1, -1]},
  {"Taxon": "Romanian", "Segments": [13, -1, 39, 48, 20, 0, -1]}
}],
{"Name": "Day", "Data": [
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  {"Taxon": "Spanish", "Segments": [23, 7, 27, -1]},
  {"Taxon": "Italian", "Segments": [23, 7, -1, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [23, 7, 29, -1]},
  {"Taxon": "Portuguese", "Segments": [23, 7, 29, -1]},
  {"Taxon": "Catalan", "Segments": [23, 7, 4, -1]},
  {"Taxon": "Walloon", "Segments": [10, 21, -1, -1]},
  {"Taxon": "Friulian", "Segments": [23, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [49, 7, -1, -1]}
]},
{"Name": "Day-Diurnus", "Data": [
  {"Taxon": "Latin", "Segments": [23, 7, 15, 33, 13, 15, 26]},
  {"Taxon": "French", "Segments": [3, -1, 15, 36, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [23, 12, 15, 28, 13, 6, -1]},
  {"Taxon": "Italian", "Segments": [10, -1, 6, 33, 13, 6, -1]},
  {"Taxon": "Catalan", "Segments": [3, -1, 6, 28, 13, -1, -1]},
  {"Taxon": "Walloon", "Segments": [10, -1, 21, -1, -1, -1, -1]}
]},
{"Name": "Day-Diurna", "Data": [
  {"Taxon": "PortugueseBrazil", "Segments": [3, 9, 36, 13, 27]},
  {"Taxon": "Portuguese", "Segments": [3, 9, 36, 13, 27]}
]},
{"Name": "Day-Diurnata", "Data": [
  {"Taxon": "Latin", "Segments": [23, 7, 15, 33, 13, 53, 20, 27]},
  {"Taxon": "French", "Segments": [3, -1, 15, 36, 13, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [34, -1, 6, 28, 13, 27, 23, 27]},
  {"Taxon": "Italian", "Segments": [10, 6, 33, 13, 27, 20, 27, -1]},
  {"Taxon": "Friulian", "Segments": [71, -1, 6, 33, 13, 27, 23, 0]}
]},
{"Name": "Year", "Data": [
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  {"Taxon": "French", "Segments": [43, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [27, -1, 38, 6, -1]},
  {"Taxon": "Italian", "Segments": [27, 13, 13, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [29, -1, 13, 15, -1]},
  {"Taxon": "Portuguese", "Segments": [29, -1, 13, 15, -1]},
  {"Taxon": "Catalan", "Segments": [27, -1, 38, -1, -1]},
  {"Taxon": "Walloon", "Segments": [43, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [27, -1, 75, -1, -1]},
  {"Taxon": "Romanian", "Segments": [27, 13, -1, -1, -1]}
]},
{"Name": "Name-Nomen", "Data": [
  {"Taxon": "Latin", "Segments": [13, 2, 26, 0, 13]},
  {"Taxon": "French", "Segments": [13, 42, -1, -1, -1]},
  {"Taxon": "Italian", "Segments": [13, 2, 26, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [13, 6, 26, 7, -1]},
  {"Taxon": "Portuguese", "Segments": [13, 6, 26, 47, -1]},
  {"Taxon": "Catalan", "Segments": [13, 9, 26, -1, -1]},
  {"Taxon": "Walloon", "Segments": [13, 61, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [13, 9, 75, -1, -1]},
  {"Taxon": "Romanian", "Segments": [13, 15, 26, 0, -1]}
]}
```

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```
}},
{"Name": "Name-Nominem", "Data": [
  {"Taxon": "Latin", "Segments": [13, 2, 26, 7, 13, -1, 0, 26]},
  {"Taxon": "Spanish", "Segments": [13, 6, 26, -1, 19, 28, 0, -1]}
]},
{"Name": "Tongue", "Data": [
  {"Taxon": "Latin", "Segments": [32, 7, 13, 74, -1, 27]},
  {"Taxon": "French", "Segments": [32, 43, -1, 1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [32, 0, 75, 1, 8, 27]},
  {"Taxon": "Italian", "Segments": [32, 7, 13, 1, 8, 27]},
  {"Taxon": "PortugueseBrazil", "Segments": [32, 44, -1, 1, 8, 29]},
  {"Taxon": "Portuguese", "Segments": [32, 44, -1, 1, 8, 29]},
  {"Taxon": "Walloon", "Segments": [32, 89, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [32, 31, 13, 1, -1, 31]},
  {"Taxon": "Romanian", "Segments": [32, 7, 26, 19, -1, 4]}
]},
{"Name": "ToDrink", "Data": [
  {"Taxon": "Latin", "Segments": [19, -1, 7, 19, 0, 33, 0]},
  {"Taxon": "French", "Segments": [19, 8, 84, -1, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [19, -1, 0, 19, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [19, -1, 0, -1, -1, 28, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [19, -1, 0, 19, 0, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [19, -1, 47, 67, 0, 28, -1]},
  {"Taxon": "Catalan", "Segments": [19, -1, 31, 8, -1, 28, 4]},
  {"Taxon": "Walloon", "Segments": [19, 72, -1, -1, 36, -1, -1]},
  {"Taxon": "Friulian", "Segments": [19, -1, 0, 18, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [19, -1, 80, -1, -1, -1, -1]}
]},
{"Name": "ToEat", "Data": [
  {"Taxon": "Latin", "Segments": [51, 6, 26, 0, 23, 0, 33, 0]},
  {"Taxon": "Spanish", "Segments": [51, 6, 26, 0, -1, -1, 28, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 26, 0, -1, -1, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [51, 15, 26, -1, -1, 0, 28, -1]}
]},
{"Name": "ToEat-Manducare", "Data": [
  {"Taxon": "Latin", "Segments": [26, 27, 13, 23, 15, 51, 53, 33, 0]},
  {"Taxon": "French", "Segments": [26, 43, -1, 3, -1, -1, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [26, 27, 13, 23, 15, 51, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [26, 27, 13, 10, -1, -1, 27, 28, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, 45, -1, 3, -1, -1, 27, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [26, 45, -1, 3, -1, -1, 27, 28, -1]},
  {"Taxon": "Catalan", "Segments": [26, 4, 38, 3, -1, -1, 27, -1, -1]},
  {"Taxon": "Walloon", "Segments": [26, 27, 38, -1, -1, -1, 37, -1, -1]},
  {"Taxon": "Friulian", "Segments": [26, 27, 75, 83, -1, -1, 53, -1, -1]},
  {"Taxon": "Romanian", "Segments": [26, 47, 13, -1, -1, 51, 27, -1, -1]}
]},
{"Name": "ToBite", "Data": [
  {"Taxon": "Latin", "Segments": [26, -1, 6, 33, 23, 25, 33, 0]},
  {"Taxon": "French", "Segments": [26, -1, 6, 36, 23, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [26, -1, 6, 28, 50, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [26, -1, 9, 33, 23, 0, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [26, -1, 6, 36, 23, 0, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [26, -1, 15, 28, 50, 0, 28, -1]},
  {"Taxon": "Friulian", "Segments": [26, 8, 27, 33, 23, 7, -1, -1]}
]},
{"Name": "ToBite-Morsicare", "Data": [
```


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```
{
  "Taxon": "Latin", "Segments": [26, 6, 33, 14, 7, 51, 53, 33, 0]},
  "Taxon": "Spanish", "Segments": [26, 6, -1, 14, -1, 51, 27, 28, -1]},
  "Taxon": "Italian", "Segments": [26, 6, 33, 14, 7, 51, 27, 28, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [26, 15, -1, 14, 4, 1, 27, -1, -1]},
  "Taxon": "Portuguese", "Segments": [26, 15, -1, 14, 4, 1, 27, 33, -1]},
  "Taxon": "Catalan", "Segments": [26, 15, -1, 14, 4, 85, 27, -1, -1]},
  "Taxon": "Romanian", "Segments": [26, 15, 33, 14, 0, 51, 27, -1, -1]}
}],
{
  "Name": "ToSuck", "Data": [
    {"Taxon": "Latin", "Segments": [14, 21, 1, 0, 33, 0]},
    {"Taxon": "French", "Segments": [14, 22, 14, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 15, 1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 15, 1, 27, 28, -1]},
    {"Taxon": "Walloon", "Segments": [14, 22, 14, 37, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 15, 65, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 15, 10, 0, -1, -1]}
  ]
},
{
  "Name": "ToSpit", "Data": [
    {"Taxon": "Latin", "Segments": [51, 6, 13, 14, 48, 15, 0, 33, 0]},
    {"Taxon": "French", "Segments": [51, 42, -1, 14, 48, 22, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 15, -1, 14, 48, 7, 36, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 15, -1, 16, 48, 7, 28, -1, -1]}
  ]
},
{
  "Name": "ToSpit-Exconspuere", "Data": [
    {"Taxon": "Spanish", "Segments": [0, 14, 51, 15, -1, 48, 7, 28]},
    {"Taxon": "Catalan", "Segments": [4, 14, 51, 15, -1, 48, 7, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 14, 51, 15, 12, 48, 27, -1]}
  ]
},
{
  "Name": "ToSpit-Sputare", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 15, 20, 0, 33, 0]},
    {"Taxon": "Spanish", "Segments": [0, 14, 48, 15, 20, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 15, 20, 27, 28, 0]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 48, 15, 23, 53, -1, -1]}
  ]
},
{
  "Name": "ToVomit", "Data": [
    {"Taxon": "Latin", "Segments": [8, 6, 26, 0, 33, 0]},
    {"Taxon": "French", "Segments": [18, 6, 26, 7, 36, -1]},
    {"Taxon": "Italian", "Segments": [18, 9, 26, 0, 33, 0]},
    {"Taxon": "Walloon", "Segments": [18, 2, 26, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, 39, 26, 0, -1, -1]}
  ]
},
{
  "Name": "ToBlow", "Data": [
    {"Taxon": "Latin", "Segments": [14, 15, 24, 24, 32, 53, 33, 0]},
    {"Taxon": "French", "Segments": [14, 15, -1, 24, 32, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [14, 6, 24, 24, 12, 27, 33, 0]},
    {"Taxon": "Walloon", "Segments": [14, 15, -1, 24, 32, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 6, -1, 24, 32, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 15, -1, 24, 32, 27, -1, -1]}
  ]
},
{
  "Name": "ToBreathe", "Data": [
    {"Taxon": "Latin", "Segments": [33, 0, 14, 48, 37, 33, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [33, 0, 14, 48, 7, 28, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [33, 0, 14, 48, 7, 33, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 0, 14, 48, 7, 28, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 47, 16, 48, 7, 28, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [33, 4, 14, 48, 7, 28, 27, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Friulian", "Segments": [33, 0, 14, 48, 7, 33, 53, -1, -1]}
}],
{
  "Name": "ToLaugh", "Data": [
    {"Taxon": "Latin", "Segments": [33, 37, -1, 23, 25, 33, 0]},
    {"Taxon": "French", "Segments": [36, 7, -1, -1, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [33, 0, -1, -1, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [33, 37, -1, 23, 0, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 7, -1, -1, -1, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 7, -1, -1, -1, 28, -1]},
    {"Taxon": "Catalan", "Segments": [33, 7, 8, -1, -1, 28, 4]},
    {"Taxon": "Walloon", "Segments": [36, 37, -1, -1, -1, 36, -1]},
    {"Taxon": "Friulian", "Segments": [33, 7, -1, 23, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [28, 47, -1, 23, 0, -1, -1]}
  ]
},
{
  "Name": "ToSee", "Data": [
    {"Taxon": "Latin", "Segments": [8, -1, 7, 23, 25, 33, 0]},
    {"Taxon": "French", "Segments": [18, 8, 27, -1, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [19, -1, -1, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [18, -1, 0, 23, 0, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, -1, -1, -1, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [18, -1, -1, -1, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [19, -1, 31, 8, -1, 28, 4]},
    {"Taxon": "Walloon", "Segments": [18, -1, 37, -1, -1, 55, -1]},
    {"Taxon": "Friulian", "Segments": [18, 12, 6, 23, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, -1, 0, 23, 80, -1, -1]}
  ]
},
{
  "Name": "ToHear", "Data": [
    {"Taxon": "Latin", "Segments": [78, -1, 23, 37, 33, 0]},
    {"Taxon": "French", "Segments": [8, -1, -1, 7, 36, -1]},
    {"Taxon": "Spanish", "Segments": [6, -1, -1, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [15, -1, 23, 7, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [6, 8, 18, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [6, 8, 18, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [15, -1, -1, 7, -1, -1]},
    {"Taxon": "Walloon", "Segments": [61, -1, -1, 55, -1, -1]},
    {"Taxon": "Friulian", "Segments": [15, 32, 23, 37, -1, -1]},
    {"Taxon": "Romanian", "Segments": [27, 15, 49, 7, -1, -1]}
  ]
},
{
  "Name": "ToKnow", "Data": [
    {"Taxon": "Latin", "Segments": [14, 51, 37, 33, 0]},
    {"Taxon": "Romanian", "Segments": [16, 20, 7, -1, -1]}
  ]
},
{
  "Name": "ToKnow-Sapere", "Data": [
    {"Taxon": "Latin", "Segments": [14, 27, 48, -1, 0, 33, 0]},
    {"Taxon": "French", "Segments": [14, 27, 18, 8, 27, 36, -1]},
    {"Taxon": "Spanish", "Segments": [14, 27, 19, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [14, 27, 48, -1, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 27, 19, -1, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 29, 19, -1, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [14, 4, 67, -1, 31, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 27, 18, -1, 72, 55, -1]},
    {"Taxon": "Friulian", "Segments": [14, 27, 18, -1, 25, -1, -1]}
  ]
},
{
  "Name": "ToKnow-Cognoscere", "Data": [
    {"Taxon": "Latin", "Segments": [51, 6, 1, 13, 2, 14, 51, 0, 33, 0]},
    {"Taxon": "French", "Segments": [51, 9, -1, 13, 31, -1, 20, 36, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish", "Segments": [51, 6, -1, 13, 6, 58, 0, 28, -1, -1]},
  "Taxon": "Italian", "Segments": [51, 6, -1, 13, 6, 16, 16, 0, 33, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [51, 6, -1, 38, 0, 14, -1, 0, 36, -1]},
  "Taxon": "Portuguese", "Segments": [51, 15, -1, 38, 47, 14, -1, 0, 28, -1]},
  "Taxon": "Catalan", "Segments": [51, 15, -1, 13, 31, 16, -1, 4, -1, -1]},
  "Taxon": "Walloon", "Segments": [51, 7, -1, 13, 9, 40, -1, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [51, 6, -1, 38, 6, 14, -1, 7, -1, -1]},
  "Taxon": "Romanian", "Segments": [51, 15, -1, 13, 39, 16, 20, 0, -1, -1]}
]},
{
  "Name": "ToThink", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 2, 1, 7, 20, 53, 33, 0]},
    {"Taxon": "French", "Segments": [51, 69, -1, -1, 7, 23, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 8, -1, -1, 7, 23, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 6, 10, 7, 20, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 15, 3, 7, 20, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 15, 3, 7, 20, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 15, -1, 12, 23, 27, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, -1, 15, 10, 0, 20, 27, -1, -1]}
  ]
},
{
  "Name": "ToThink-Pensare", "Data": [
    {"Taxon": "Latin", "Segments": [48, 25, 13, 14, 53, 33, 0]},
    {"Taxon": "French", "Segments": [48, 43, -1, 14, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 0, 13, 14, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [48, 0, 13, 14, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 64, -1, 14, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 64, -1, 14, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [48, 4, 13, 14, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 62, -1, 14, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 0, 75, 14, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 4, -1, 14, 27, -1, -1]}
  ]
},
{
  "Name": "ToSmell-Sentire", "Data": [
    {"Taxon": "Latin", "Segments": [14, 0, 13, 20, 37, 33, 0]},
    {"Taxon": "French", "Segments": [14, 43, -1, 20, 7, 36, -1]},
    {"Taxon": "Spanish", "Segments": [14, 0, 13, 20, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [14, 0, 13, 20, 7, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 64, -1, 46, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 64, -1, 20, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [14, 4, 13, 20, 7, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 62, -1, 20, 7, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 7, 13, 20, 37, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 7, 26, 52, 7, -1, -1]}
  ]
},
{
  "Name": "ToSmell-Olere", "Data": [
    {"Taxon": "Latin", "Segments": [6, 32, 25, 33, 0]},
    {"Taxon": "Spanish", "Segments": [6, 32, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [6, 32, 7, 33, 0]},
    {"Taxon": "Catalan", "Segments": [15, 32, 15, 28, 27]}
  ]
},
{
  "Name": "ToSmell-Odorare", "Data": [
    {"Taxon": "Latin", "Segments": [6, 23, 2, 33, 53, 33, 0]},
    {"Taxon": "Italian", "Segments": [6, 23, 6, 33, 27, 33, 0]}
  ]
},
{
  "Name": "ToSmell-Fragrare", "Data": [
    {"Taxon": "Latin", "Segments": [24, 33, 53, 1, 33, 53, 33, 0]},
    {"Taxon": "French", "Segments": [24, 32, 31, -1, 36, 0, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Italian", "Segments": [24, 33, 27, 1, 33, 27, 33, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [16, -1, 59, -1, 28, 27, 36, -1]},
  "Taxon": "Portuguese", "Segments": [16, -1, 60, -1, 28, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [24, 32, 4, 12, 28, 27, -1, -1]}
}],
{
  "Name": "ToFear", "Data": [
    {"Taxon": "Latin", "Segments": [20, 7, 26, 25, 33, 0]},
    {"Taxon": "Spanish", "Segments": [20, 0, 26, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 0, 26, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 0, 26, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 47, 26, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [20, 0, 26, 4, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 0, 26, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 0, 26, 0, -1, -1]}
  ]
},
{
  "Name": "ToFear-Tremere", "Data": [
    {"Taxon": "Latin", "Segments": [20, 33, 0, 26, -1, 0, 33, 0]},
    {"Taxon": "French", "Segments": [51, 36, 64, -1, 23, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [20, 28, 0, 26, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 33, 0, 26, -1, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 28, 0, 26, -1, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 28, 47, 26, -1, 0, 28, -1]},
    {"Taxon": "Friulian", "Segments": [20, 33, 7, 26, -1, 53, -1, -1]}
  ]
},
{
  "Name": "ToSleep", "Data": [
    {"Taxon": "Latin", "Segments": [23, -1, 6, 33, 26, 37, 33, 0]},
    {"Taxon": "French", "Segments": [23, -1, 9, 36, 26, 7, 36, -1]},
    {"Taxon": "Spanish", "Segments": [23, -1, 6, 28, 26, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [23, -1, 6, 33, 26, 7, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, -1, 6, 36, 26, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [23, -1, 15, 28, 26, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [23, -1, 15, 33, 26, 7, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, 8, 27, 36, 26, 7, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, -1, 15, 33, 26, 37, -1, -1]},
    {"Taxon": "Romanian", "Segments": [23, -1, 6, 33, 26, 7, -1, -1]}
  ]
},
{
  "Name": "ToLive", "Data": [
    {"Taxon": "Latin", "Segments": [8, 37, 8, 0, 33, 0]},
    {"Taxon": "French", "Segments": [18, 7, 18, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [19, 7, 19, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [18, 7, 18, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 7, 18, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 7, 18, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [19, 7, 8, -1, 28, 4]},
    {"Taxon": "Friulian", "Segments": [18, 7, 18, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, 7, -1, 27, -1, -1]}
  ]
},
{
  "Name": "ToDie", "Data": [
    {"Taxon": "French", "Segments": [26, 15, 36, 7, 36, -1]},
    {"Taxon": "Spanish", "Segments": [26, 6, 28, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [26, 6, 33, 7, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 6, 36, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 15, 36, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [26, 15, 28, 7, -1, -1]},
    {"Taxon": "Walloon", "Segments": [26, 9, 55, 7, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 15, 33, 37, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Romanian", "Segments": [26, 15, 33, 7, -1, -1]}
}],
{
  "Name": "ToKill", "Data": [
    {
      "Taxon": "Latin", "Segments": [13, -1, 0, 51, 53, 33, 0]},
    {
      "Taxon": "French", "Segments": [13, 8, 56, 0, -1, -1, -1]},
    {
      "Taxon": "Catalan", "Segments": [13, -1, 4, 1, 27, -1, -1]},
    {
      "Taxon": "Romanian", "Segments": [13, -1, 0, 51, 27, -1, -1]}
  ]
},
{
  "Name": "ToKill-Adnecare", "Data": [
    {
      "Taxon": "Spanish", "Segments": [27, -1, 13, 0, 1, 27, 28, -1]},
    {
      "Taxon": "Italian", "Segments": [27, 13, 13, 0, 1, 27, 33, 0]}
  ]
},
{
  "Name": "ToKill-Tutari", "Data": [
    {
      "Taxon": "Latin", "Segments": [20, 21, -1, 20, 53, 33, 7]},
    {
      "Taxon": "French", "Segments": [20, -1, 69, -1, 0, -1, -1]},
    {
      "Taxon": "Walloon", "Segments": [20, 15, 8, -1, 0, -1, -1]}
  ]
},
{
  "Name": "ToKill-Mactare", "Data": [
    {
      "Taxon": "Latin", "Segments": [26, 27, 51, 20, 53, 33, 0]},
    {
      "Taxon": "French", "Segments": [26, 27, -1, 20, 0, -1, -1]},
    {
      "Taxon": "Spanish", "Segments": [26, 27, -1, 20, 27, 28, -1]},
    {
      "Taxon": "PortugueseBrazil", "Segments": [26, 27, -1, 20, 27, 36, -1]},
    {
      "Taxon": "Portuguese", "Segments": [26, 29, -1, 20, 27, 28, -1]},
    {
      "Taxon": "Catalan", "Segments": [26, 4, -1, 20, 27, -1, -1]},
    {
      "Taxon": "Friulian", "Segments": [26, 27, 46, -1, 53, -1, -1]}
  ]
},
{
  "Name": "ToKill-Occidere", "Data": [
    {
      "Taxon": "Latin", "Segments": [6, 51, 51, 37, 23, 0, 33, 0]},
    {
      "Taxon": "French", "Segments": [9, 51, 14, 7, -1, -1, 36, -1]},
    {
      "Taxon": "Italian", "Segments": [15, 20, 46, 7, 23, 0, 28, 0]},
    {
      "Taxon": "Catalan", "Segments": [15, 51, 14, 7, -1, -1, -1, -1]},
    {
      "Taxon": "Romanian", "Segments": [15, -1, 46, 7, 23, 0, -1, -1]}
  ]
},
{
  "Name": "ToFight", "Data": [
    {
      "Taxon": "Latin", "Segments": [48, 15, 1, 13, 53, 33, 0]},
    {
      "Taxon": "Spanish", "Segments": [48, 15, -1, 38, 27, 28, -1]},
    {
      "Taxon": "Italian", "Segments": [48, 15, 38, 38, 27, 33, 0]},
    {
      "Taxon": "Catalan", "Segments": [48, 15, -1, 38, 27, -1, -1]}
  ]
},
{
  "Name": "ToFight-Battuere", "Data": [
    {
      "Taxon": "Latin", "Segments": [19, 27, 20, 20, 15, 0, 33, 0]},
    {
      "Taxon": "French", "Segments": [19, 27, 20, -1, -1, 36, -1, -1]},
    {
      "Taxon": "Spanish", "Segments": [19, 27, -1, 20, -1, 7, 28, -1]},
    {
      "Taxon": "Italian", "Segments": [19, 27, 20, 20, -1, 0, 33, 0]},
    {
      "Taxon": "PortugueseBrazil", "Segments": [19, 27, -1, 20, -1, 0, 36, -1]},
    {
      "Taxon": "Portuguese", "Segments": [19, 29, -1, 20, -1, 0, 28, -1]},
    {
      "Taxon": "Catalan", "Segments": [19, 27, -1, 20, -1, -1, 28, 4]},
    {
      "Taxon": "Walloon", "Segments": [19, 27, 20, -1, 0, -1, -1, -1]},
    {
      "Taxon": "Friulian", "Segments": [19, 27, 20, -1, 7, -1, -1, -1]},
    {
      "Taxon": "Romanian", "Segments": [19, 27, 20, -1, 0, -1, -1, -1]}
  ]
},
{
  "Name": "ToHunt-Captiare", "Data": [
    {
      "Taxon": "Latin", "Segments": [51, 27, 48, 20, 7, 53, 33, 0]},
    {
      "Taxon": "French", "Segments": [16, 27, -1, 14, -1, 0, -1, -1]},
    {
      "Taxon": "Spanish", "Segments": [51, 27, -1, 58, -1, 27, 28, -1]},
    {
      "Taxon": "Italian", "Segments": [51, 27, 20, 46, -1, 27, 33, 0]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [51, 27, -1, 14, -1, 27, 36, -1]},
  "Taxon": "Portuguese", "Segments": [51, 29, -1, 14, -1, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [51, 4, -1, 14, -1, 27, -1, -1]},
  "Taxon": "Walloon", "Segments": [46, 31, -1, 14, -1, 37, -1, -1]},
  "Taxon": "Friulian", "Segments": [65, 27, -1, 46, -1, 53, -1, -1]}
}],
{
  "Name": "ToHit", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 32, 14, 53, 33, 0]},
    {"Taxon": "French", "Segments": [48, 15, -1, 14, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 15, -1, 34, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [48, 15, 32, 14, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 15, -1, 16, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 15, -1, 16, 27, 28, -1]},
    {"Taxon": "Friulian", "Segments": [48, 15, 32, 14, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 15, 32, 14, 27, -1, -1]}
  ]
},
{
  "Name": "ToCut", "Data": [
    {"Taxon": "Latin", "Segments": [14, -1, 0, 51, 53, 33, 0]},
    {"Taxon": "French", "Segments": [14, 12, 0, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [14, -1, 0, 1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [14, -1, 0, 1, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, -1, 0, 1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [14, -1, 47, 85, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [14, -1, 4, 85, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, -1, 0, -1, 53, -1, -1]}
  ]
},
{
  "Name": "ToCut-Curtare", "Data": [
    {"Taxon": "Latin", "Segments": [51, 15, 33, 20, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [51, 6, 28, 20, 27, 28, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 36, 20, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 15, 28, 20, 27, 28, -1]}
  ]
},
{
  "Name": "ToCut-Excurtare", "Data": [
    {"Taxon": "Latin", "Segments": [0, 51, 14, 51, 15, 33, 20, 53, 33, 0]},
    {"Taxon": "French", "Segments": [0, -1, -1, 51, 15, 36, 20, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 14, 51, 6, 33, 20, 27, 33, 0]},
    {"Taxon": "Friulian", "Segments": [-1, -1, 14, 51, 15, 33, 20, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, -1, 14, 51, 15, 33, 20, 27, -1, -1]}
  ]
},
{
  "Name": "ToCut-Taliare", "Data": [
    {"Taxon": "Latin", "Segments": [20, 53, -1, 32, 7, 53, 33, 0]},
    {"Taxon": "French", "Segments": [20, 84, 12, -1, -1, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [20, 27, -1, 34, -1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 27, -1, 35, 35, 53, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 27, -1, 35, -1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 29, -1, 35, -1, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [20, 4, -1, 35, -1, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [20, 31, -1, -1, 12, 37, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 27, -1, -1, 12, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 4, -1, -1, 12, 27, -1, -1]}
  ]
},
{
  "Name": "ToSplit", "Data": [
    {"Taxon": "Latin", "Segments": [23, 37, 8, 7, 23, 0, 33, 0]},
    {"Taxon": "Spanish", "Segments": [23, 7, 19, 7, 23, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [23, 7, 18, 7, 23, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [10, 7, 18, 7, 10, 7, 36, -1]},
  ]
}
```


Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Portuguese", "Segments": [23, 7, 18, 7, 50, 7, 28, -1]},
  "Taxon": "Catalan", "Segments": [23, 7, 19, 7, 23, 7, -1, -1]},
  "Taxon": "Friulian", "Segments": [23, 7, 18, 7, 23, 7, -1, -1]},
  "Taxon": "Romanian", "Segments": [23, 7, 18, 7, 23, 0, -1, -1]}
}],
{
  "Name": "ToSplit-Scindere", "Data": [
    {"Taxon": "Latin", "Segments": [14, 51, 7, 13, 23, 0, 33, 0]},
    {"Taxon": "French", "Segments": [14, -1, 62, -1, 23, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [16, -1, 7, 13, 23, 0, 33, 0]}
  ]
},
{
  "Name": "ToSplit-Findere", "Data": [
    {"Taxon": "Latin", "Segments": [24, 7, 13, 23, 0, 33, 0]},
    {"Taxon": "French", "Segments": [24, 43, -1, 23, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 0, 13, 23, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [24, 31, 13, 23, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 64, -1, 23, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 64, -1, 23, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [24, 31, 13, 23, -1, 28, 4]},
    {"Taxon": "Walloon", "Segments": [24, 62, -1, 20, -1, -1, -1]}
  ]
},
{
  "Name": "ToSplit-Partire", "Data": [
    {"Taxon": "Latin", "Segments": [48, 27, 33, 20, 37, 33, 0]},
    {"Taxon": "French", "Segments": [48, 27, 36, 20, 7, 36, -1]},
    {"Taxon": "Spanish", "Segments": [48, 27, 28, 20, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [48, 27, 33, 20, 7, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 27, 36, 46, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 29, 28, 20, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [48, 4, 33, 20, 7, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 73, 55, 20, 7, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 27, 33, 20, 37, -1, -1]}
  ]
},
{
  "Name": "ToSplit-Separare", "Data": [
    {"Taxon": "Latin", "Segments": [14, 25, 48, 27, 33, 53, 33, 0, -1]},
    {"Taxon": "French", "Segments": [14, 4, -1, 18, -1, -1, -1, 36, 0]},
    {"Taxon": "Spanish", "Segments": [14, 0, 48, 27, 28, 27, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [14, 0, 48, 27, 33, 27, 33, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 0, 48, 27, 28, 27, 36, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 47, 48, 29, 28, 27, 28, -1, -1]},
    {"Taxon": "Catalan", "Segments": [14, 4, 48, 4, 28, 27, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 0, 48, 27, 33, 53, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 0, 48, 27, 33, 27, -1, -1, -1]}
  ]
},
{
  "Name": "ToStab", "Data": [
    {"Taxon": "Latin", "Segments": [48, -1, 15, 13, 1, 0, 33, 0]},
    {"Taxon": "French", "Segments": [48, 8, 62, -1, 23, -1, 36, -1]},
    {"Taxon": "Italian", "Segments": [48, -1, 15, 13, 10, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, -1, 90, -1, 3, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [48, -1, 90, -1, 3, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [48, -1, 15, 38, -1, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 15, 13, 10, 0, -1, -1, -1]}
  ]
},
{
  "Name": "ToStab-Iugulare", "Data": [
    {"Taxon": "Latin", "Segments": [12, 15, 1, 15, 32, 53, 33, 0]},
    {"Taxon": "French", "Segments": [3, 22, 1, 22, 32, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [12, 15, 1, 15, 32, 53, 33, 0]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "ToScratch", "Data": [
    {"Taxon": "Latin", "Segments": [33, 53, 23, 0, 33, 0]},
    {"Taxon": "Spanish", "Segments": [33, 27, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [33, 27, 23, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 27, -1, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 29, -1, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [33, 27, 8, -1, 28, 4]},
    {"Taxon": "Friulian", "Segments": [33, 27, 23, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [33, 27, 23, 0, -1, -1]}
  ]
},
{
  "Name": "ToScratch-Rasare", "Data": [
    {"Taxon": "French", "Segments": [36, 84, 49, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [33, 27, 14, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [33, 27, 14, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 27, 49, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 29, 49, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [33, 4, 49, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [33, 27, 14, 53, -1, -1]}
  ]
},
{
  "Name": "ToScratch-Rasicare", "Data": [
    {"Taxon": "Spanish", "Segments": [33, 27, 14, 51, 27, 28]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 27, 16, 51, 27, 36]},
    {"Taxon": "Portuguese", "Segments": [36, 29, 16, 51, 27, 28]},
    {"Taxon": "Catalan", "Segments": [33, 4, 14, 51, 27, -1]}
  ]
},
{
  "Name": "ToScratch-Coctiare", "Data": [
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 14, 27, 91]},
    {"Taxon": "Portuguese", "Segments": [51, 15, 14, 27, 28]}
  ]
},
{
  "Name": "ToDig", "Data": [
    {"Taxon": "Latin", "Segments": [24, -1, 6, 23, 0, 33, 0]},
    {"Taxon": "French", "Segments": [24, 8, 7, -1, -1, 36, -1]}
  ]
},
{
  "Name": "ToDig-Cavare", "Data": [
    {"Taxon": "Latin", "Segments": [51, 27, 8, 53, 33, 0]},
    {"Taxon": "French", "Segments": [16, 4, 18, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 19, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 18, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 29, 18, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 29, 18, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, 4, 19, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [83, 27, 18, 53, -1, -1]}
  ]
},
{
  "Name": "ToDig-Excavare", "Data": [
    {"Taxon": "Latin", "Segments": [0, 51, 14, 51, 27, 8, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [0, 14, 51, 27, 19, 27, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 14, 51, 27, 18, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 16, 51, 29, 18, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [7, -1, 16, 51, 29, 18, 27, 28, -1]},
    {"Taxon": "Friulian", "Segments": [-1, -1, 49, 83, 27, 18, 53, -1, -1]}
  ]
},
{
  "Name": "ToSwim", "Data": [
    {"Taxon": "Latin", "Segments": [13, -1, 27, 20, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [13, -1, 27, 23, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [13, 8, 6, 20, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 27, 23, 27, 36, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Portuguese", "Segments": [13, -1, 29, 50, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [13, -1, 4, 23, 27, -1, -1]},
  "Taxon": "Friulian", "Segments": [13, -1, 27, 23, 53, -1, -1]}
}],
{
  "Name": "ToSwim-Navigare", "Data": [
    {"Taxon": "Latin", "Segments": [13, 27, 18, 7, 1, 53, 33, 0]},
    {"Taxon": "French", "Segments": [13, 27, -1, -1, 3, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [13, 27, 19, 0, 1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [13, 27, 18, 7, 1, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 27, 18, 47, 85, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [13, 29, 18, 47, 85, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [13, 4, 19, 4, 1, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [13, 31, -1, -1, 10, 37, -1, -1]},
    {"Taxon": "Friulian", "Segments": [13, 27, 18, 7, 1, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [13, 27, 18, 7, 1, 27, -1, -1]}
  ]
},
{
  "Name": "ToFly", "Data": [
    {"Taxon": "Latin", "Segments": [8, 6, 32, 53, 33, 0]},
    {"Taxon": "French", "Segments": [18, 6, 32, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 6, 32, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [18, 6, 32, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 6, -1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 8, -1, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [19, 15, 32, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [18, 9, 32, 0, -1, -1]}
  ]
},
{
  "Name": "ToFly-Exvolare", "Data": [
    {"Taxon": "Italian", "Segments": [49, 18, 6, 32, 27, 28, 0]},
    {"Taxon": "Friulian", "Segments": [49, 18, 6, 32, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [49, 19, 15, 28, 27, -1, -1]}
  ]
},
{
  "Name": "ToWalk", "Data": [
    {"Taxon": "French", "Segments": [16, 4, 26, 7, 13, 0, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 26, 7, 13, 27, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 26, 26, 7, 13, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 29, 26, 7, 38, 27, 36, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 29, 26, 7, 38, 27, 28, -1, -1]},
    {"Taxon": "Catalan", "Segments": [51, 4, 26, 7, 13, 27, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, 7, 26, 7, 13, 0, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 27, 26, 7, 13, 53, -1, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Marcher", "Data": [
    {"Taxon": "French", "Segments": [26, 27, 36, 16, 0]},
    {"Taxon": "Walloon", "Segments": [26, 53, 55, 46, 37]}
  ]
},
{
  "Name": "ToWalk-Mergere", "Data": [
    {"Taxon": "Latin", "Segments": [26, 0, 33, 1, 0, 33, 0]},
    {"Taxon": "Italian", "Segments": [26, 31, 33, 10, 0, 33, 0]},
    {"Taxon": "Romanian", "Segments": [26, 0, 33, 10, 0, -1, -1]}
  ]
},
{
  "Name": "ToWalk-Ambitare", "Data": [
    {"Taxon": "Latin", "Segments": [27, 26, 19, 7, 20, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [27, 13, 23, -1, -1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [27, 13, 23, -1, -1, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [45, -1, 23, -1, -1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [45, -1, 23, -1, -1, 27, 28, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
}},
{"Name": "ToCome", "Data": [
  {"Taxon": "Latin", "Segments": [8, 0, 13, 37, 33, 0]},
  {"Taxon": "French", "Segments": [18, 4, 13, 7, 36, -1]},
  {"Taxon": "Spanish", "Segments": [19, 0, 13, 7, 28, -1]},
  {"Taxon": "Italian", "Segments": [18, 0, 13, 7, 28, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [18, -1, -1, 7, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [18, -1, -1, 7, 28, -1]},
  {"Taxon": "Catalan", "Segments": [19, 4, 13, 7, -1, -1]},
  {"Taxon": "Walloon", "Segments": [18, 7, 13, 7, -1, -1]},
  {"Taxon": "Friulian", "Segments": [18, 7, 38, 37, -1, -1]},
  {"Taxon": "Romanian", "Segments": [18, 0, 13, 7, -1, -1]}
]},
{"Name": "ToLieAsInABed", "Data": [
  {"Taxon": "Latin", "Segments": [0, 51, 14, 20, 0, 13, 23, 0, 33, 0]},
  {"Taxon": "French", "Segments": [0, -1, 20, 43, -1, 23, -1, 36, -1, -1]},
  {"Taxon": "Spanish", "Segments": [0, 51, 14, 20, 0, 13, 23, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [0, -1, 14, 20, 31, 13, 23, 0, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 20, 64, -1, 23, 0, 36, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [7, 16, 20, 64, -1, 23, 0, 28, -1, -1]},
  {"Taxon": "Catalan", "Segments": [4, -1, 14, 20, 0, 13, 23, -1, 28, 4]},
  {"Taxon": "Romanian", "Segments": [0, 51, 14, 20, 7, 13, 23, 0, -1, -1]}
]},
{"Name": "ToLieAsInABed-Iacere", "Data": [
  {"Taxon": "Latin", "Segments": [12, 27, -1, 51, 25, 33, 0]},
  {"Taxon": "French", "Segments": [3, 0, -1, 49, 7, 36, -1]},
  {"Taxon": "Spanish", "Segments": [5, 27, -1, 58, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [10, 27, -1, 46, 25, 28, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 29, -1, 49, 0, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [3, 29, -1, 49, 0, 28, -1]},
  {"Taxon": "Catalan", "Segments": [3, 27, 8, -1, -1, 28, 4]},
  {"Taxon": "Walloon", "Segments": [10, 0, -1, -1, 33, 0, -1]},
  {"Taxon": "Friulian", "Segments": [12, 0, -1, 14, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [49, 4, -1, 46, 80, -1, -1]}
]},
{"Name": "ToSit", "Data": [
  {"Taxon": "Latin", "Segments": [14, -1, 0, 23, 25, 33, 0]},
  {"Taxon": "French", "Segments": [14, 8, 27, -1, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [14, -1, 0, -1, -1, 28, -1]},
  {"Taxon": "Italian", "Segments": [14, -1, 0, 23, 0, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, -1, 0, -1, -1, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [14, -1, 0, -1, -1, 28, -1]},
  {"Taxon": "Romanian", "Segments": [16, -1, 0, 23, 80, -1, -1]}
]},
{"Name": "ToSit-Sedentare", "Data": [
  {"Taxon": "Latin", "Segments": [14, 0, 23, 0, 13, 20, 53, 33, 0]},
  {"Taxon": "Spanish", "Segments": [14, 0, -1, -1, 13, 20, 27, 28, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 64, -1, -1, -1, 20, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 64, -1, -1, -1, 20, 27, 28, -1]},
  {"Taxon": "Friulian", "Segments": [14, 0, -1, -1, 13, 20, 53, -1, -1]}
]},
{"Name": "ToStand", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 14, 20, 53, 33, 0]},
  {"Taxon": "French", "Segments": [31, -1, 20, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [0, 14, 20, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [-1, 14, 20, 27, 33, 0]},
```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [47, 16, 20, 27, 28, -1]},
  "Taxon": "Portuguese", "Segments": [47, 16, 20, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [4, 14, 20, 27, -1, -1]},
  "Taxon": "Walloon", "Segments": [31, 14, -1, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [-1, 14, 20, 53, -1, -1]},
  "Taxon": "Romanian", "Segments": [-1, 14, 20, 27, -1, -1]}
}],
{
  "Name": "ToStand-Levare", "Data": [
    {"Taxon": "Latin", "Segments": [32, 0, 18, 53, 33, 0]},
    {"Taxon": "French", "Segments": [32, 4, 18, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [5, 0, 19, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [32, 0, 18, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 0, 18, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 47, 18, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [35, 4, 19, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [32, 4, 18, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [32, 0, 18, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [32, -1, 15, 27, -1, -1]}
  ]
},
{
  "Name": "ToStand-Altiare", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 27, 32, 20, 7, 53, 33, 0]},
    {"Taxon": "French", "Segments": [-1, 6, -1, 14, -1, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 27, 32, 58, -1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [-1, 27, 32, 52, 27, 33, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 27, 68, 14, -1, 27, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 27, 68, 14, -1, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [-1, 4, 32, 14, -1, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [40, 73, -1, 14, -1, 37, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 27, 32, 20, 16, -1, 53, -1]}
  ]
},
{
  "Name": "ToTurnIntransitive", "Data": [
    {"Taxon": "Latin", "Segments": [20, 6, 33, 13, 53, 33, 0]},
    {"Taxon": "French", "Segments": [20, 15, 36, 13, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [20, 6, 28, 13, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 6, 33, 13, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 6, 36, 13, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 15, 28, 13, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [20, 15, 33, 13, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [20, 21, 33, 13, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 6, 33, 13, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 15, 33, 13, 27, -1, -1]}
  ]
},
{
  "Name": "ToTurnIntransitive-Gyrare", "Data": [
    {"Taxon": "Latin", "Segments": [1, 22, 33, 53, 33, 0]},
    {"Taxon": "French", "Segments": [3, 7, 36, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [34, 7, 28, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [10, 7, 33, 27, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, 7, 28, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [3, 7, 28, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [3, 7, 28, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [10, 7, 33, 53, -1, -1]}
  ]
},
{
  "Name": "ToTurnIntransitive-AncestralClass3", "Data": [
    {"Taxon": "French", "Segments": [18, 7, 36, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 7, 28, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [18, 7, 33, 27, 28, 0]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [18, 7, 28, 27, 28, -1]},
  "Taxon": "Portuguese", "Segments": [3, 7, 28, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [19, 7, 28, 27, -1, -1]},
  "Taxon": "Walloon", "Segments": [18, 7, 36, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [10, 7, 33, 53, -1, -1]}
}],
{
  "Name": "ToTurnIntransitive-Torquere", "Data": [
    {"Taxon": "Latin", "Segments": [20, 6, 33, 87, 25, 33, 0]},
    {"Taxon": "French", "Segments": [20, 9, 36, 23, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [20, 6, 28, 58, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 9, 33, 46, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 15, 33, 14, 0, 33, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 15, 33, 14, 0, 33, -1]},
    {"Taxon": "Catalan", "Segments": [20, 9, 33, 14, 4, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 39, 33, 46, 0, -1, -1]}
  ]
},
{
  "Name": "ToFall", "Data": [
    {"Taxon": "Latin", "Segments": [51, -1, 27, 23, 0, 33, 0]},
    {"Taxon": "French", "Segments": [16, 8, 27, -1, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [51, -1, 27, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 27, 23, 0, 28, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 29, -1, 7, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 29, -1, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 27, 8, -1, 33, 4]},
    {"Taxon": "Walloon", "Segments": [46, -1, 57, -1, -1, 55, -1]},
    {"Taxon": "Friulian", "Segments": [46, 12, 27, 23, 0, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 4, 23, 80, -1, -1, -1]}
  ]
},
{
  "Name": "ToFall-Tumbare", "Data": [
    {"Taxon": "French", "Segments": [20, 61, -1, 19, 0, -1]},
    {"Taxon": "Spanish", "Segments": [20, 15, 26, 19, 27, 28]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 61, -1, 19, 27, 36]},
    {"Taxon": "Portuguese", "Segments": [20, 61, -1, 19, 27, 28]},
    {"Taxon": "Catalan", "Segments": [20, 15, 26, 19, 27, -1]},
    {"Taxon": "Walloon", "Segments": [20, 15, 26, -1, 0, -1]}
  ]
},
{
  "Name": "ToGive", "Data": [
    {"Taxon": "Latin", "Segments": [23, 27, 33, 0]},
    {"Taxon": "Spanish", "Segments": [23, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [23, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [23, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [23, 27, 33, -1]},
    {"Taxon": "Friulian", "Segments": [23, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [23, 27, -1, -1]}
  ]
},
{
  "Name": "ToGive-Donare", "Data": [
    {"Taxon": "Latin", "Segments": [23, 6, 13, 53, 33, 0]},
    {"Taxon": "French", "Segments": [23, 9, 13, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [23, 6, 13, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [23, 6, 13, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, 6, -1, 27, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [23, 15, -1, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [23, 15, 13, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, 7, 13, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, 6, 13, 53, -1, -1]}
  ]
}
```


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```
}},
{"Name": "ToHold", "Data": [
  {"Taxon": "Latin", "Segments": [20, 0, 13, -1, 25, 33, 0]},
  {"Taxon": "French", "Segments": [20, 4, 13, -1, 7, 36, -1]},
  {"Taxon": "Spanish", "Segments": [20, 0, 13, -1, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [20, 0, 13, -1, 0, 28, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [20, 0, -1, -1, -1, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [20, 0, -1, -1, -1, 28, -1]},
  {"Taxon": "Catalan", "Segments": [20, 4, 13, -1, 7, -1, -1]},
  {"Taxon": "Walloon", "Segments": [20, 7, 13, -1, 7, -1, -1]},
  {"Taxon": "Friulian", "Segments": [20, 7, 13, 12, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [52, 7, 13, -1, 0, -1, -1]}
]},
{"Name": "ToHold-Segurar", "Data": [
  {"Taxon": "Spanish", "Segments": [14, 0, 1, 15, 28, 27, 28]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 47, 1, 15, 28, 27, 36]},
  {"Taxon": "Portuguese", "Segments": [14, 47, 85, 15, 28, 27, 28]}
]},
{"Name": "ToSqueeze", "Data": [
  {"Taxon": "Latin", "Segments": [0, 51, 14, 48, 33, 7, 26, -1, 0, 33, 0]},
  {"Taxon": "French", "Segments": [0, -1, -1, 48, 36, 62, -1, 23, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [0, 51, 14, 48, 28, 0, 26, -1, 7, 28, -1]},
  {"Taxon": "Italian", "Segments": [-1, -1, 14, 48, 33, 31, 26, -1, 0, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 16, 48, 33, 4, 26, -1, 0, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [7, -1, 16, 48, 33, 4, 26, -1, 0, 33, -1]},
  {"Taxon": "Catalan", "Segments": [4, -1, 14, 48, 28, 0, 26, -1, 4, -1, -1]},
  {"Taxon": "Friulian", "Segments": [0, -1, 14, 48, 33, 7, 26, -1, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [-1, 14, 51, -1, 33, 0, 26, 0, -1, -1, -1]}
]},
{"Name": "ToSqueeze-Serrere", "Data": [
  {"Taxon": "Latin", "Segments": [14, 0, 33, 33, 0, 33, 0]},
  {"Taxon": "Spanish", "Segments": [14, 0, -1, 33, 27, 28, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 0, -1, 36, 27, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 4, -1, 55, 27, 28, -1]},
  {"Taxon": "Catalan", "Segments": [14, 4, -1, 33, 27, -1, -1]}
]},
{"Name": "ToSqueeze-Serare", "Data": [
  {"Taxon": "Latin", "Segments": [14, 0, -1, 33, 27, 33, 0]},
  {"Taxon": "French", "Segments": [14, 0, -1, 36, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [58, 0, -1, 33, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [14, 0, 33, 33, 27, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 47, -1, 36, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 47, -1, 36, 27, 28, -1]},
  {"Taxon": "Walloon", "Segments": [14, 31, -1, 55, 0, -1, -1]}
]},
{"Name": "ToSqueeze-Appectorare", "Data": [
  {"Taxon": "Latin", "Segments": [27, 48, 48, 0, 51, 20, 6, 33, 53, 33, 0]},
  {"Taxon": "Spanish", "Segments": [27, -1, 48, -1, -1, 28, 0, 20, 27, 28, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [29, -1, 48, 47, -1, 28, -1, 20, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [29, -1, 48, 47, -1, 28, -1, 20, 27, 28, -1]}
]},
{"Name": "ToSqueeze-Stringere", "Data": [
  {"Taxon": "Latin", "Segments": [-1, 14, 20, 33, 7, 13, 1, 0, 33, 0]},
  {"Taxon": "French", "Segments": [0, -1, 20, 36, 62, -1, 23, -1, 36, -1]},
  {"Taxon": "Spanish", "Segments": [0, 14, 20, 28, 0, 38, -1, 7, 28, -1]},
  {"Taxon": "Italian", "Segments": [-1, 14, 20, 33, 7, 13, 10, 0, 33, 0]},
```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [4, 16, 20, 33, 44, -1, 3, 7, 33, -1]},
  "Taxon": "Portuguese", "Segments": [4, 16, 20, 33, 44, 3, 7, 33, -1, -1]},
  "Taxon": "Catalan", "Segments": [4, 14, 20, 28, 31, 38, -1, 4, -1, -1]},
  "Taxon": "Walloon", "Segments": [-1, 14, 20, 33, 7, 13, 1, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [-1, 14, 20, 33, 31, 13, 1, 37, -1, -1]},
  "Taxon": "Romanian", "Segments": [-1, 14, 20, 33, 47, 13, 10, 0, -1, -1]}
]},
{
  "Name": "ToRub", "Data": [
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    {"Taxon": "French", "Segments": [24, 36, 86, 0, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 28, 0, 1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [24, 33, 0, 1, 27, 33, 0]},
    {"Taxon": "Catalan", "Segments": [24, 28, 4, 1, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, 33, 17, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 33, 0, -1, 27, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, 33, 0, 51, 27, -1, -1]}
  ]},
{
  "Name": "ToRub-Exfricare", "Data": [
    {"Taxon": "PortugueseBrazil", "Segments": [47, 16, 24, 28, 47, 1, 27, 28]},
    {"Taxon": "Portuguese", "Segments": [47, 16, 24, 28, 47, 85, 27, 28]}
  ]},
{
  "Name": "ToRub-Frictare", "Data": [
    {"Taxon": "Latin", "Segments": [24, 33, 7, 51, 20, 53, 33, 0]},
    {"Taxon": "French", "Segments": [24, 36, 6, 20, 0, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 28, 6, 20, 27, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [24, 33, 0, 20, 20, 27, 33, 0]},
    {"Taxon": "Walloon", "Segments": [24, 36, 6, 20, 0, -1, -1, -1]}
  ]},
{
  "Name": "ToRub-Frictiare", "Data": [
    {"Taxon": "Spanish", "Segments": [24, 33, 7, 14, 27, 28]},
    {"Taxon": "Catalan", "Segments": [24, 28, 4, 14, 27, -1]}
  ]},
{
  "Name": "ToWash", "Data": [
    {"Taxon": "Latin", "Segments": [32, 27, 8, 53, 33, 0]},
    {"Taxon": "French", "Segments": [32, 27, 18, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 27, 67, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [32, 27, 18, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 29, 18, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 29, 18, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [35, 4, 19, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [32, 27, 18, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [32, 27, 18, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [32, 27, -1, -1, -1, -1]}
  ]},
{
  "Name": "ToWipe", "Data": [
    {"Taxon": "Latin", "Segments": [20, 0, 33, 1, 0, 33, 0]},
    {"Taxon": "Italian", "Segments": [20, 31, 33, 10, 0, 33, 0]}
  ]},
{
  "Name": "ToWipe-Extergere", "Data": [
    {"Taxon": "Latin", "Segments": [0, 51, 14, 20, 0, 33, 1, 0, 33, 0]},
    {"Taxon": "Spanish", "Segments": [0, -1, 14, 20, 27, 28, 14, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [4, -1, 14, 20, 4, 33, 3, 7, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, -1, 16, 20, 0, 33, 10, 0, -1, -1]}
  ]},
{
  "Name": "ToWipe-Exsucare", "Data": [
    {"Taxon": "Latin", "Segments": [0, 51, 14, -1, 21, 51, -1, 53, 33, 0]}
  ]}
}
```

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```
{
  "Taxon": "French", "Segments": [0, -1, 14, 69, 7, -1, 12, 0, -1, -1]},
  "Taxon": "Spanish", "Segments": [0, 13, 34, -1, 15, 1, -1, 27, 28, -1]},
  "Taxon": "Italian", "Segments": [27, 16, 16, -1, 15, 1, -1, 27, 33, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [64, -1, 16, -1, 15, 1, -1, 27, 28, -1]},
  "Taxon": "Portuguese", "Segments": [64, -1, 16, -1, 15, 85, -1, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [4, -1, 16, -1, 15, 1, 27, -1, -1, -1]},
  "Taxon": "Walloon", "Segments": [-1, -1, 14, -1, 15, -1, 8, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [-1, -1, 14, -1, 15, -1, 12, 53, -1, -1]},
  "Taxon": "Romanian", "Segments": [15, -1, 14, -1, -1, 51, -1, 27, -1, -1]}
]},
{
  "Name": "ToWipe-Limpidare", "Data": [
    {"Taxon": "Latin", "Segments": [32, 7, 26, 48, 7, 23, 53, 33, 0]},
    {"Taxon": "Spanish", "Segments": [32, 7, 26, 48, 12, -1, 27, 28, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 44, -1, 48, -1, -1, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 44, -1, 48, -1, -1, 27, 28, -1]}
  ]
},
{
  "Name": "ToPull", "Data": [
    {"Taxon": "Latin", "Segments": [20, 7, 33, 53, 33, 0]},
    {"Taxon": "French", "Segments": [20, 7, 36, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [20, 7, 28, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [20, 7, 33, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [46, 7, 28, 27, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 7, 28, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [20, 7, 28, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [20, 7, 33, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 7, 33, 53, -1, -1]}
  ]
},
{
  "Name": "ToPull-Pulsare", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 32, 14, 53, 33, 0]},
    {"Taxon": "French", "Segments": [48, 15, -1, 14, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 15, -1, 34, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [48, 15, 32, 14, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 15, -1, 16, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 15, -1, 16, 27, 28, -1]},
    {"Taxon": "Walloon", "Segments": [48, 21, 14, 37, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 15, 32, 14, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [48, 15, 32, 14, 27, -1, -1]}
  ]
},
{
  "Name": "ToPull-Trahere", "Data": [
    {"Taxon": "Latin", "Segments": [20, 33, 27, 40, 0, 33, 0]},
    {"Taxon": "French", "Segments": [20, 36, -1, -1, 31, 36, -1]},
    {"Taxon": "Italian", "Segments": [20, 33, 27, 33, -1, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 28, 27, 49, 0, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 28, 29, 49, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [20, 28, 31, 8, -1, 28, 4]},
    {"Taxon": "Friulian", "Segments": [20, 33, 56, -1, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 33, 27, 10, 0, -1, -1]}
  ]
},
{
  "Name": "ToPush", "Data": [
    {"Taxon": "Latin", "Segments": [7, 26, 48, 7, 13, 1, 0, 33, 0]},
    {"Taxon": "Italian", "Segments": [7, 26, 48, 7, 13, 10, 0, 33, 0]},
    {"Taxon": "Catalan", "Segments": [4, 26, 48, 31, 38, -1, 4, -1, -1]},
    {"Taxon": "Romanian", "Segments": [47, 26, 48, 7, 13, 10, 0, -1, -1]}
  ]
},
{
  "Name": "ToThrow", "Data": [
    {"Taxon": "Latin", "Segments": [12, 27, 51, 20, 53, 33, 0]},
  ]
}
```

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```
{
  "Taxon": "French", "Segments": [3, 4, -1, 20, 0, -1, -1]},
  "Taxon": "Spanish", "Segments": [-1, 0, -1, 46, 27, 28, -1]},
  "Taxon": "Italian", "Segments": [10, 0, 20, 20, 27, 33, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [3, 59, 20, 27, 28, -1, -1]},
  "Taxon": "Portuguese", "Segments": [3, 59, 20, 27, 28, -1, -1]},
  "Taxon": "Catalan", "Segments": [34, 7, -1, 20, 27, -1, -1]},
  "Taxon": "Walloon", "Segments": [10, 31, -1, 20, 0, -1, -1]}
}],
{
  "Name": "ToThrow-Lanceare", "Data": [
    "Taxon": "Latin", "Segments": [32, 27, 13, 51, 0, 53, 33, 0]},
    "Taxon": "French", "Segments": [32, 43, -1, 14, -1, 0, -1, -1]},
    "Taxon": "Spanish", "Segments": [32, 27, 13, 58, -1, 27, 28, -1]},
    "Taxon": "Italian", "Segments": [32, 27, 13, 46, -1, 27, 33, 0]},
    "Taxon": "PortugueseBrazil", "Segments": [32, 45, -1, 14, -1, 27, -1, -1]},
    "Taxon": "Portuguese", "Segments": [32, 45, -1, 14, -1, 27, 28, -1]},
    "Taxon": "Catalan", "Segments": [35, 4, 13, 14, -1, 27, -1, -1]},
    "Taxon": "Walloon", "Segments": [32, 27, 13, 65, -1, 37, -1, -1]},
    "Taxon": "Friulian", "Segments": [32, 27, 13, 46, -1, 53, -1, -1]}
  ],
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    "Taxon": "Spanish", "Segments": [27, -1, 33, 27, 13, 51, 27, 28, -1]},
    "Taxon": "Italian", "Segments": [27, 33, 33, 6, 13, 46, 27, 33, 0]},
    "Taxon": "Romanian", "Segments": [27, -1, 28, 15, 75, 51, 27, -1, -1]}
  ],
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    "Taxon": "French", "Segments": [32, 7, -1, 0, -1, -1]},
    "Taxon": "Spanish", "Segments": [32, 0, 1, 27, 28, -1]},
    "Taxon": "Italian", "Segments": [32, 0, 1, 27, 33, 0]},
    "Taxon": "Catalan", "Segments": [35, 7, 85, 27, -1, -1]},
    "Taxon": "Walloon", "Segments": [32, 9, 12, 37, -1, -1]},
    "Taxon": "Friulian", "Segments": [32, 0, -1, 53, -1, -1]},
    "Taxon": "Romanian", "Segments": [32, 0, 1, 27, -1, -1]}
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    "Taxon": "PortugueseBrazil", "Segments": [29, -1, 20, 27, 28, -1]},
    "Taxon": "Portuguese", "Segments": [29, -1, 20, 27, 28, -1]}
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    "Taxon": "Spanish", "Segments": [51, 6, -1, -1, 14, -1, 0, 28, -1]},
    "Taxon": "Italian", "Segments": [51, 15, -1, -1, 46, -1, 7, 33, 0]},
    "Taxon": "PortugueseBrazil", "Segments": [51, 15, -1, -1, 49, -1, 0, 28, -1]},
    "Taxon": "Portuguese", "Segments": [51, 15, -1, -1, 49, -1, 0, 28, -1]},
    "Taxon": "Catalan", "Segments": [51, 15, -1, -1, 49, -1, 7, -1, -1]},
    "Taxon": "Walloon", "Segments": [51, 72, -1, -1, 49, -1, -1, -1, -1]},
    "Taxon": "Friulian", "Segments": [51, 15, -1, -1, 49, 7, -1, -1, -1]},
    "Taxon": "Romanian", "Segments": [65, 39, -1, -1, 14, -1, 0, -1, -1]}
  ],
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    "Taxon": "French", "Segments": [51, 61, -1, -1, -1, 20, 0, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

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{
  "Taxon": "Spanish", "Segments": [51, 6, 13, -1, -1, 20, 27, 28, -1]},
  "Taxon": "Italian", "Segments": [51, 6, 13, -1, -1, 20, 27, 33, 0]},
  "Taxon": "PortugueseBrazil", "Segments": [51, 61, -1, -1, -1, 20, 27, 28, -1]},
  "Taxon": "Portuguese", "Segments": [51, 61, -1, -1, -1, 20, 27, 28, -1]},
  "Taxon": "Catalan", "Segments": [51, 15, 26, -1, -1, 20, 27, -1, -1]},
  "Taxon": "Walloon", "Segments": [51, 61, -1, -1, -1, 20, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [51, 6, 13, -1, -1, 20, 53, -1, -1]}
}],
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    {"Taxon": "French", "Segments": [0, 13, 15, 26, 0, 36, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 13, 15, 26, 0, 28, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [0, 13, 15, 26, 0, 33, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [0, 13, 15, 26, 0, 28, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [0, 13, 15, 26, 0, 28, 27, -1, -1]},
    {"Taxon": "Catalan", "Segments": [0, 13, 15, 26, 0, 28, 27, -1, -1]}
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    {"Taxon": "French", "Segments": [13, 42, -1, 19, 36, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [13, 6, 18, 0, 33, 27, 33, 0]},
    {"Taxon": "Catalan", "Segments": [13, 15, 26, 0, 28, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [13, 15, 26, 0, 33, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [13, 15, 26, 27, 33, 27, -1, -1]}
  ]
},
{
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    {"Taxon": "French", "Segments": [23, 7, -1, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [23, 0, 58, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [23, 7, -1, -1, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, 7, 49, 0, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [23, 7, 49, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [23, 7, -1, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, 37, -1, -1, 36, -1]},
    {"Taxon": "Friulian", "Segments": [23, 37, -1, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [49, 7, 46, 0, -1, -1]}
  ]
},
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    {"Taxon": "Italian", "Segments": [-1, -1, 14, 48, 6, 33, -1, 33, 0]},
    {"Taxon": "Romanian", "Segments": [-1, -1, 14, 48, 15, 13, 0, -1, -1]}
  ]
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    {"Taxon": "Latin", "Segments": [51, 27, 13, 20, 53, 33, 0]},
    {"Taxon": "French", "Segments": [16, 43, -1, 20, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 13, 20, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 13, 20, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 45, -1, 20, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 45, -1, 20, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, 4, 13, 20, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, 43, -1, 20, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 27, 13, 20, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 47, 13, 20, 27, -1, -1]}
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},
{
  "Name": "ToPlay-Ludere", "Data": [
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}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish", "Segments": [32, 15, 23, 7, 28, -1]}
}],
{
  "Name": "ToPlay-Jiocare", "Data": [
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    {"Taxon": "French", "Segments": [3, -1, 8, -1, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [34, 15, -1, 1, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [10, 6, -1, 51, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [3, 6, -1, 1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [3, 15, -1, 85, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [3, 15, -1, 1, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [10, 15, 8, -1, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [10, 15, 12, -1, 53, -1, -1]},
    {"Taxon": "Romanian", "Segments": [3, 15, -1, 51, 27, -1, -1]}
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{
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    {"Taxon": "French", "Segments": [24, 32, 22, 51, 20, 69, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 32, 15, 1, 20, 8, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [24, 32, 15, 20, 20, 15, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 32, 15, -1, 20, 15, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 32, 15, -1, 20, 15, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [24, 32, 15, 51, 20, 15, 27, -1, -1]},
    {"Taxon": "Romanian", "Segments": [24, 32, 15, 65, 20, 15, 27, -1, -1]}
  ]
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  ]
},
{
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    {"Taxon": "French", "Segments": [24, 32, 22, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 32, 15, 7, 28, -1]},
    {"Taxon": "Italian", "Segments": [24, 32, 15, 7, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 32, 8, 7, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 32, 8, 7, 28, -1]},
    {"Taxon": "Catalan", "Segments": [24, 32, 15, 7, -1, -1]}
  ]
},
{
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    {"Taxon": "Spanish", "Segments": [51, 6, 32, 27, 28, -1]},
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    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, -1, 27, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 15, -1, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, 15, 68, 27, -1, -1]},
    {"Taxon": "Walloon", "Segments": [51, 9, 32, 0, -1, -1]}
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{
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    {"Taxon": "Spanish", "Segments": [0, -1, 14, 51, 15, 33, 7, 28, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 14, 51, 6, 33, 33, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, -1, 16, 51, 6, -1, 36, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [7, -1, 16, 51, 15, -1, 55, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [4, -1, 14, 51, 6, -1, 33, 4, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, -1, 14, 51, 6, -1, 33, 37, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, -1, 14, 51, 15, 28, 10, 0, -1, -1]}
  ]
}
```


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```
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  {"Taxon": "French", "Segments": [51, 15, -1, 36, 7, 36, -1]},
  {"Taxon": "Spanish", "Segments": [51, 6, -1, 33, 0, 28, -1]},
  {"Taxon": "Italian", "Segments": [51, 6, 33, 33, 0, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [51, 6, -1, 36, 0, 36, -1]},
  {"Taxon": "Portuguese", "Segments": [51, 15, -1, 36, 0, 28, -1]},
  {"Taxon": "Catalan", "Segments": [51, 6, -1, 33, 4, -1, -1]},
  {"Taxon": "Walloon", "Segments": [51, 9, -1, 55, 7, -1, -1]},
  {"Taxon": "Friulian", "Segments": [51, 6, -1, 33, 7, -1, -1]},
  {"Taxon": "Romanian", "Segments": [51, 15, 28, 10, 0, -1, -1]}
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  {"Taxon": "French", "Segments": [3, 4, 32, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [-1, 0, 32, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [10, 0, 32, 27, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [3, 47, 32, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [3, 47, 32, 27, 28, -1]},
  {"Taxon": "Catalan", "Segments": [3, 4, 32, 27, -1, -1]},
  {"Taxon": "Walloon", "Segments": [10, 27, 32, 0, -1, -1]}
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  {"Taxon": "French", "Segments": [1, 32, 27, -1, 14, -1, 0, -1, -1]},
  {"Taxon": "Italian", "Segments": [1, 12, 27, 20, 46, 12, 27, 33, 0]},
  {"Taxon": "Catalan", "Segments": [1, 32, 4, -1, 14, -1, 27, -1, -1]},
  {"Taxon": "Friulian", "Segments": [1, 32, 27, -1, 46, -1, 53, -1, -1]}
]},
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  {"Taxon": "Romanian", "Segments": [47, 13, 1, -1, 0, 52, -1, 27, -1, -1]}
]},
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  {"Taxon": "French", "Segments": [6, 1, 26, 43, -1, 20, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [78, -1, 26, 0, 13, 20, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [78, 26, 0, 13, 20, 27, 33, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [78, 1, 26, 0, 13, 20, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [78, 1, 26, 0, 13, 20, 27, 28, -1]},
  {"Taxon": "Catalan", "Segments": [27, 15, 1, 26, 0, 13, 20, 27, -1]}
]},
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  {"Taxon": "French", "Segments": [43, -1, 24, 32, 0, -1, -1]},
  {"Taxon": "Spanish", "Segments": [7, 13, 46, -1, 27, 28, -1]},
  {"Taxon": "Italian", "Segments": [0, 13, 24, 7, 27, 33, 0]},
  {"Taxon": "PortugueseBrazil", "Segments": [44, -1, 16, -1, 27, 28, -1]},
  {"Taxon": "Portuguese", "Segments": [44, -1, 16, -1, 27, 28, -1]},
  {"Taxon": "Catalan", "Segments": [7, 26, 24, 32, 27, -1, -1]},
  {"Taxon": "Walloon", "Segments": [64, -1, 24, 32, 0, -1, -1]},
  {"Taxon": "Friulian", "Segments": [0, 13, 24, 32, 53, -1, -1]},
  {"Taxon": "Romanian", "Segments": [15, 26, 24, 32, 27, -1, -1]}
]},
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{
  "Taxon": "Latin", "Segments": [-1, 51, -1, 6, 13, 24, 32, 53, 33, 0]},
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  "Taxon": "Italian", "Segments": [-1, 1, -1, 6, 13, 24, 12, 27, 33, 0]},
  "Taxon": "Walloon", "Segments": [-1, 1, -1, 61, -1, 24, 32, 0, -1, -1]},
  "Taxon": "Friulian", "Segments": [49, 1, 32, 6, 75, 24, -1, 53, -1, -1]}
}],
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    {"Taxon": "Spanish", "Segments": [0, 13, 20, 15, 26, 0, 58, 0, 28, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [44, -1, 20, 15, 26, 0, 14, -1, 0, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [44, -1, 20, 15, 26, 0, 14, -1, 0, 28, -1]}
  ]
},
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    {"Taxon": "French", "Segments": [51, 36, 8, 27, -1, 20, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [51, 28, -1, 0, 58, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, 33, -1, 0, 16, 16, 0, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 28, -1, 0, 14, -1, 0, 36, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 28, -1, 47, 16, 14, 0, 28, -1]},
    {"Taxon": "Catalan", "Segments": [51, 28, -1, 0, -1, 16, 4, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 28, -1, 0, 16, 20, 0, -1, -1]}
  ]
},
{
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    {"Taxon": "French", "Segments": [19, 36, 22, 32, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [19, 33, 15, 46, 27, 33, 0]},
    {"Taxon": "Walloon", "Segments": [19, 36, 21, 32, 0, -1, -1]},
    {"Taxon": "Friulian", "Segments": [19, 33, 15, 49, 53, -1, -1]}
  ]
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  "Name": "ToBurn-Cremare", "Data": [
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    {"Taxon": "French", "Segments": [51, 36, 27, 26, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, -1, 0, 26, 27, 28, -1]},
    {"Taxon": "Italian", "Segments": [51, 33, 0, 26, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 60, 26, 27, 28, 0]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 59, 26, 27, 36, 0]},
    {"Taxon": "Catalan", "Segments": [51, 33, 4, 26, 27, -1, -1]}
  ]
},
{
  "Name": "ToBurn-Flammare", "Data": [
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    {"Taxon": "French", "Segments": [24, 32, 27, -1, 26, 0, -1, -1]},
    {"Taxon": "Italian", "Segments": [24, 12, 27, 26, 26, 27, 33, 0]},
    {"Taxon": "Catalan", "Segments": [24, 68, 27, -1, 26, 27, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 32, 27, -1, 26, 53, -1, -1]}
  ]
},
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    {"Taxon": "Portuguese", "Segments": [29, 28, 23, 0, 28, -1]},
    {"Taxon": "Romanian", "Segments": [27, 28, 23, 0, -1, -1]}
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},
{
  "Name": "ToBurn-Flagrare", "Data": [
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    {"Taxon": "French", "Segments": [24, 32, 27, 1, 36, 0, -1, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish", "Segments": [24, 32, 27, 1, 28, 27, 28, -1]},
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  "Taxon": "PortugueseBrazil", "Segments": [24, 32, 27, 1, 36, 27, 36, -1]},
  "Taxon": "Portuguese", "Segments": [24, 32, 27, 1, 28, 27, 28, -1]}
}],
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    {"Taxon": "Latin", "Segments": [7, 13, 51, 0, 13, 23, -1, 0, 33, 0]},
    {"Taxon": "French", "Segments": [62, -1, 14, 43, -1, 23, 12, 0, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 13, 58, 0, 13, 23, -1, 0, 28, -1]},
    {"Taxon": "Italian", "Segments": [7, 13, 46, 31, 13, 23, 12, 27, 33, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [44, -1, 14, 0, 13, 10, 11, 27, 28, -1]},
    {"Taxon": "Portuguese", "Segments": [44, -1, 14, 64, -1, 23, 12, 27, 28, -1]},
    {"Taxon": "Catalan", "Segments": [4, 13, 14, 0, 13, 23, -1, -1, 28, 4]},
    {"Taxon": "Romanian", "Segments": [47, 13, 46, 7, 13, 23, 3, 0, -1, -1]}
  ]
},
{
  "Name": "ToBurn-AncestralClass8", "Data": [
    {"Taxon": "Latin", "Segments": [15, 14, 20, 15, 32, 53, 33, 0]},
    {"Taxon": "Italian", "Segments": [15, 14, 20, 6, 32, 27, 33, 0]},
    {"Taxon": "Romanian", "Segments": [15, 14, 20, 15, 33, 27, -1, -1]}
  ]
},
{
  "Name": "All", "Data": [
    {"Taxon": "Latin", "Segments": [6, 26, 13, 25, 14]},
    {"Taxon": "Italian", "Segments": [6, 38, 38, 7, -1]}
  ]
},
{
  "Name": "All-Totus", "Data": [
    {"Taxon": "Latin", "Segments": [20, 2, -1, 20, 15, 14]},
    {"Taxon": "French", "Segments": [20, 15, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [20, 6, -1, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [20, 15, 20, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 6, -1, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 6, -1, 50, 15, -1]},
    {"Taxon": "Catalan", "Segments": [20, 6, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [20, 9, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, 15, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [20, 6, -1, 20, -1, -1]}
  ]
},
{
  "Name": "Many", "Data": [
    {"Taxon": "Latin", "Segments": [26, 15, 32, 20, 15, 14]},
    {"Taxon": "French", "Segments": [26, 15, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 15, -1, 46, 6, -1]},
    {"Taxon": "Italian", "Segments": [26, 6, 32, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 90, 92, -1, 20, 15]},
    {"Taxon": "Portuguese", "Segments": [26, 90, 92, -1, 20, 15]},
    {"Taxon": "Catalan", "Segments": [26, 6, 32, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 6, 32, 65, -1, -1]},
    {"Taxon": "Romanian", "Segments": [26, 15, 32, 20, -1, -1]}
  ]
},
{
  "Name": "Many-Tantus", "Data": [
    {"Taxon": "Latin", "Segments": [20, 27, 13, 20, 15, 14]},
    {"Taxon": "Spanish", "Segments": [20, 27, 13, 20, 6, -1]},
    {"Taxon": "Italian", "Segments": [20, 27, 13, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 45, -1, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [20, 45, -1, 20, 15, -1]},
    {"Taxon": "Catalan", "Segments": [20, 27, 13, 20, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 27, 13, 65, -1, -1]}
  ]
},
]
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Some", "Data": [
    {"Taxon": "French", "Segments": [6, -1, 51, 93, -1, -1]},
    {"Taxon": "Spanish", "Segments": [27, 32, 1, 15, 13, 6]},
    {"Taxon": "Italian", "Segments": [27, 32, 51, 15, 13, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 8, 1, 90, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [27, 68, 1, 90, -1, -1]},
    {"Taxon": "Catalan", "Segments": [4, 32, 1, 15, -1, -1]}
  ]
},
{
  "Name": "Few", "Data": [
    {"Taxon": "Latin", "Segments": [48, 78, 51, 15, 14]},
    {"Taxon": "French", "Segments": [48, 79, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [48, 6, 51, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 9, 51, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 6, 8, 51, 15]},
    {"Taxon": "Portuguese", "Segments": [48, 6, 8, 51, 15]},
    {"Taxon": "Catalan", "Segments": [48, 9, 51, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 61, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [48, 2, 51, -1, -1]}
  ]
},
{
  "Name": "Other", "Data": [
    {"Taxon": "Latin", "Segments": [27, 32, 20, 0, 33, -1]},
    {"Taxon": "French", "Segments": [6, -1, 20, -1, 36, -1]},
    {"Taxon": "Spanish", "Segments": [6, -1, 20, -1, 28, 6]},
    {"Taxon": "Italian", "Segments": [27, 32, 20, -1, 33, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [6, 8, 20, -1, 28, 15]},
    {"Taxon": "Portuguese", "Segments": [6, 8, 20, -1, 28, 15]},
    {"Taxon": "Catalan", "Segments": [27, 32, 20, -1, 28, 4]},
    {"Taxon": "Walloon", "Segments": [61, -1, 20, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [27, 32, 20, -1, 33, 7]},
    {"Taxon": "Romanian", "Segments": [27, 32, 20, -1, -1, -1]}
  ]
},
{
  "Name": "Other-Alius", "Data": [
    {"Taxon": "Latin", "Segments": [27, 32, 7, 15, 14]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 8, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [27, 68, -1, -1, -1]}
  ]
},
{
  "Name": "Big", "Data": [
    {"Taxon": "Latin", "Segments": [26, 27, 1, 13, 15, 14]},
    {"Taxon": "Spanish", "Segments": [26, 27, -1, 38, 6, -1]},
    {"Taxon": "Italian", "Segments": [26, 27, 38, 38, 6, -1]}
  ]
},
{
  "Name": "Big-Grandem", "Data": [
    {"Taxon": "Latin", "Segments": [1, 33, 27, 13, 23, 0, 26]},
    {"Taxon": "French", "Segments": [1, 36, 43, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, 13, 23, 0, -1]},
    {"Taxon": "Italian", "Segments": [1, 33, 27, 13, 23, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 28, 45, -1, 10, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 45, -1, 23, 47, -1]},
    {"Taxon": "Catalan", "Segments": [1, 33, 27, 13, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [1, 36, 43, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [1, 33, 27, 13, 20, -1, -1]}
  ]
},
{
  "Name": "Big-Majjorem", "Data": [
    {"Taxon": "Latin", "Segments": [26, 56, 12, 2, 33, 0, 26]},
    {"Taxon": "Romanian", "Segments": [26, 27, -1, -1, -1, 28, 0]}
  ]
},
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Name": "Long-Longum", "Data": [
    {"Taxon": "Latin", "Segments": [32, 6, -1, 13, 1, 15, 14]},
    {"Taxon": "French", "Segments": [32, 42, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 6, -1, 13, 1, 6, -1]},
    {"Taxon": "Italian", "Segments": [32, 15, -1, 13, 1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 61, -1, 1, 15, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 61, -1, 1, 15, -1, -1]},
    {"Taxon": "Catalan", "Segments": [35, 6, -1, 75, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [32, 61, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [32, 15, 13, 51, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [32, 15, 13, 1, -1, -1, -1]}
  ]},
  {"Name": "Long-Largum", "Data": [
    {"Taxon": "Latin", "Segments": [32, 27, 33, 1, 15, 14]},
    {"Taxon": "French", "Segments": [32, 27, 36, 3, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 27, 28, 85, 6, -1]},
    {"Taxon": "Italian", "Segments": [32, 27, 33, 1, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 27, 36, 1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 27, 28, 1, 15, -1]},
    {"Taxon": "Catalan", "Segments": [35, 27, 28, 51, -1, -1]},
    {"Taxon": "Friulian", "Segments": [32, 27, 33, 51, -1, -1]},
    {"Taxon": "Romanian", "Segments": [32, 27, 33, 1, -1, -1]}
  ]},
  {"Name": "Wide", "Data": [
    {"Taxon": "Latin", "Segments": [32, 53, 20, 15, 14]},
    {"Taxon": "French", "Segments": [32, 0, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 27, 20, 6, -1]},
    {"Taxon": "Italian", "Segments": [32, 27, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 27, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 27, 20, 15, -1]},
    {"Taxon": "Romanian", "Segments": [32, 27, 20, -1, -1]}
  ]},
  {"Name": "Wide-Amplum", "Data": [
    {"Taxon": "Latin", "Segments": [27, 26, 48, 32, 15, 14]},
    {"Taxon": "French", "Segments": [43, -1, 48, 32, -1, -1]},
    {"Taxon": "Spanish", "Segments": [27, 13, 46, -1, 6, -1]},
    {"Taxon": "Italian", "Segments": [27, 26, 48, 12, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [45, -1, 16, -1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [45, -1, 16, -1, 15, -1]},
    {"Taxon": "Catalan", "Segments": [27, 26, 48, 32, 4, -1]}
  ]},
  {"Name": "Thick", "Data": [
    {"Taxon": "Latin", "Segments": [51, 33, 27, 14, 14, 15, 14]},
    {"Taxon": "French", "Segments": [1, 36, 84, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, -1, 14, 6, -1]},
    {"Taxon": "Italian", "Segments": [1, 33, 27, 14, 14, 6, -1]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 27, -1, 16, 15, -1]},
    {"Taxon": "Catalan", "Segments": [1, 28, 27, -1, 14, -1, -1]},
    {"Taxon": "Friulian", "Segments": [1, 33, 27, 14, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [1, 33, 27, 14, -1, -1, -1]}
  ]},
  {"Name": "Thick-Spissum", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 7, 14, 14, 15, 14]},
    {"Taxon": "French", "Segments": [0, -1, 48, 0, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 48, 0, 14, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 0, 14, 14, 6, -1]},
  ]}
```

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```
{
  "Taxon": "PortugueseBrazil", "Segments": [7, 14, 48, 31, -1, 14, 15, -1]},
  "Taxon": "Portuguese", "Segments": [7, 16, 48, 0, -1, 14, 15, -1]},
  "Taxon": "Catalan", "Segments": [4, 14, 48, 31, -1, 14, -1, -1]},
  "Taxon": "Walloon", "Segments": [-1, 14, 48, 31, -1, -1, -1, -1]}
}],
{
  "Name": "Thick-Gurdum", "Data": [
    {"Taxon": "Latin", "Segments": [1, 15, 33, 23, 15, 14]},
    {"Taxon": "Spanish", "Segments": [1, 6, 28, 23, 6, -1]}
  ]
},
{
  "Name": "Thick-Grossum", "Data": [
    {"Taxon": "Latin", "Segments": [1, 33, 6, -1, 14, 14, 15, 14]},
    {"Taxon": "French", "Segments": [1, 36, 6, -1, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [1, 33, 9, -1, 14, 14, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 28, 6, -1, 14, 15, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 6, -1, 14, 15, -1, -1]},
    {"Taxon": "Catalan", "Segments": [1, 28, 9, -1, 14, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [1, 33, 8, 31, 14, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [1, 33, 6, -1, 14, -1, -1, -1]}
  ]
},
{
  "Name": "Heavy", "Data": [
    {"Taxon": "Latin", "Segments": [1, 33, 27, -1, -1, 8, 7, 14]},
    {"Taxon": "French", "Segments": [1, 36, 7, 12, 31, 24, -1, -1]},
    {"Taxon": "Spanish", "Segments": [1, 28, 27, -1, -1, 19, 0, -1]},
    {"Taxon": "Italian", "Segments": [1, 33, 31, -1, -1, 18, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [1, 28, 27, -1, -1, 18, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [1, 28, 27, -1, -1, 18, 47, -1]},
    {"Taxon": "Catalan", "Segments": [1, 28, 0, -1, -1, 8, -1, -1]},
    {"Taxon": "Walloon", "Segments": [1, 33, 27, -1, -1, 18, -1, -1]},
    {"Taxon": "Friulian", "Segments": [1, 33, 31, -1, -1, 18, 7, -1]},
    {"Taxon": "Romanian", "Segments": [1, 28, 0, -1, -1, 8, -1, -1]}
  ]
},
{
  "Name": "Heavy-Lurdus", "Data": [
    {"Taxon": "Latin", "Segments": [32, 15, 33, 23, 15, 14]},
    {"Taxon": "French", "Segments": [32, 15, 36, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [32, 0, 28, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [32, 6, 33, 23, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [32, 0, 28, 23, 6, -1]},
    {"Taxon": "Portuguese", "Segments": [32, 0, 28, 23, 6, -1]}
  ]
},
{
  "Name": "Small", "Data": [
    {"Taxon": "Latin", "Segments": [48, 7, 20, 20, 7, 20, 15, 14]},
    {"Taxon": "French", "Segments": [48, 4, -1, 20, 7, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [48, 4, 20, 7, 20, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [48, 7, -1, 20, 7, -1, -1, -1]}
  ]
},
{
  "Name": "Small-Pittinus", "Data": [
    {"Taxon": "Latin", "Segments": [48, 7, 20, 20, 7, 13, 15, 14]},
    {"Taxon": "Spanish", "Segments": [48, 0, -1, 51, 0, 38, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 7, 20, 46, 7, 13, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 0, -1, 51, 0, 13, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 47, -1, 51, 0, 13, 15, -1]},
    {"Taxon": "Romanian", "Segments": [48, 15, -1, 52, 7, 13, -1, -1]}
  ]
},
{
  "Name": "Small-Pitulus", "Data": [
    {"Taxon": "Latin", "Segments": [48, 7, -1, 20, 15, 32, 15, 14]},
    {"Taxon": "Italian", "Segments": [48, 7, 51, 51, 6, 32, 6, -1]},
  ]
}
```


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```
{
  "Taxon": "Friulian", "Segments": [48, 7, -1, 46, 15, 32, -1, -1]}
}],
{
  "Name": "Short", "Data": [
    {"Taxon": "Latin", "Segments": [51, 15, 33, 20, 15, 14]},
    {"Taxon": "French", "Segments": [51, 15, 36, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 6, 28, 20, 6, -1]},
    {"Taxon": "Italian", "Segments": [51, 6, 33, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 15, 36, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 15, 28, 20, 15, -1]},
    {"Taxon": "Catalan", "Segments": [51, 15, 28, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [51, 21, 36, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [51, 15, 33, 20, -1, -1]}
  ]
},
{
  "Name": "Short-Brevis", "Data": [
    {"Taxon": "Latin", "Segments": [19, 33, 0, 8, 7, 14]},
    {"Taxon": "French", "Segments": [19, 36, 31, 24, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 28, 0, 19, 0, -1]},
    {"Taxon": "Italian", "Segments": [19, 33, 31, 18, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, 28, 31, 18, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [19, 28, 31, 18, 47, -1]},
    {"Taxon": "Catalan", "Segments": [19, 28, 0, 8, -1, -1]},
    {"Taxon": "Walloon", "Segments": [19, 36, 0, 24, -1, -1]}
  ]
},
{
  "Name": "Narrow", "Data": [
    {"Taxon": "Latin", "Segments": [27, 13, 1, 15, 14, 20, 15, 14]},
    {"Taxon": "Spanish", "Segments": [27, 13, 1, 6, 14, 20, 6, -1]},
    {"Taxon": "Italian", "Segments": [27, 13, 1, 15, 14, 20, 6, -1]},
    {"Taxon": "Romanian", "Segments": [47, 75, 1, 15, 14, 20, -1, -1]}
  ]
},
{
  "Name": "Narrow-Strictus", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 20, 33, -1, 7, -1, 51, 20, 15, 14]},
    {"Taxon": "French", "Segments": [0, -1, 20, 36, 8, 27, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [0, 14, 20, 28, -1, 0, -1, -1, 46, 6, -1]},
    {"Taxon": "Italian", "Segments": [-1, 14, 20, 33, -1, 0, -1, 20, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 20, 28, -1, 59, -1, -1, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [47, 16, 20, 28, -1, 60, -1, -1, 20, 15, -1]},
    {"Taxon": "Catalan", "Segments": [4, 14, 20, 28, -1, 31, -1, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [-1, 14, 20, 36, -1, 72, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 20, 33, -1, 31, -1, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 14, 20, 33, -1, 47, 26, -1, 20, -1, -1]}
  ]
},
{
  "Name": "Thin", "Data": [
    {"Taxon": "Latin", "Segments": [26, 7, 13, 21, -1, 20, 15, 14]},
    {"Taxon": "French", "Segments": [26, 4, 13, 22, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 0, 13, 15, -1, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [26, 7, 13, 15, -1, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 7, -1, 15, -1, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 7, -1, 15, -1, 50, 15, -1]},
    {"Taxon": "Catalan", "Segments": [26, 4, 13, 15, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [26, 7, 13, 15, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 7, 13, 21, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [26, 4, 33, 15, 13, 20, -1, -1]}
  ]
},
{
  "Name": "Thin-Delicatus", "Data": [
    {"Taxon": "Latin", "Segments": [23, 25, 32, 7, 51, 53, 20, 15, 14]},
    {"Taxon": "French", "Segments": [23, 21, -1, -1, 3, 25, -1, -1, -1]}
  ]
}
```

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```
{
  "Taxon": "Spanish", "Segments": [23, 0, 32, -1, 85, 27, 50, 6, -1]},
  "Taxon": "Italian", "Segments": [23, 0, 32, 7, 51, 27, 20, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [23, 0, 8, -1, 1, 27, 23, 15, -1]},
  "Taxon": "Portuguese", "Segments": [23, 31, 68, -1, 85, 27, 50, 15, -1]},
  "Taxon": "Catalan", "Segments": [23, 4, 32, 7, 51, 27, 20, -1, -1]}
}],
{
  "Name": "Thin-Subtilis", "Data": [
    {"Taxon": "Latin", "Segments": [14, 15, 19, 20, 37, 32, 0, 26]},
    {"Taxon": "Spanish", "Segments": [14, 15, -1, 20, 7, 32, -1, -1]},
    {"Taxon": "Italian", "Segments": [14, 6, 20, 20, 7, 32, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 15, -1, 46, 7, 8, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 15, -1, 46, 7, 8, -1, -1]},
    {"Taxon": "Catalan", "Segments": [14, 15, 48, 20, 7, 32, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 21, -1, 20, 7, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [14, 15, -1, 20, 37, 32, -1, -1]},
    {"Taxon": "Romanian", "Segments": [14, 15, 19, 52, 7, 33, 0, -1]}
  ]
},
{
  "Name": "Warm", "Data": [
    {"Taxon": "Latin", "Segments": [51, 27, 32, 7, 23, 15, 14]},
    {"Taxon": "French", "Segments": [16, 6, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 27, 32, -1, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [51, 27, 32, -1, 23, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 27, 8, -1, -1, 23, 15]},
    {"Taxon": "Portuguese", "Segments": [51, 27, 32, -1, 23, 15, -1]},
    {"Taxon": "Catalan", "Segments": [51, 27, 68, -1, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [46, 61, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [65, 27, 32, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [51, 27, 32, -1, 23, -1, -1]}
  ]
},
{
  "Name": "Cold", "Data": [
    {"Taxon": "Latin", "Segments": [24, 33, -1, 37, 1, 7, 23, 15, 14]},
    {"Taxon": "French", "Segments": [24, 36, 8, 27, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [24, 28, -1, 7, -1, -1, -1, 6, -1]},
    {"Taxon": "Italian", "Segments": [24, 33, -1, 0, 23, -1, 23, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [24, 28, -1, 7, -1, -1, -1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [24, 28, -1, 7, -1, -1, -1, 15, -1]},
    {"Taxon": "Catalan", "Segments": [24, 28, -1, 31, -1, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [24, 55, 8, 31, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [24, 33, -1, 25, -1, -1, 20, -1, -1]}
  ]
},
{
  "Name": "Cold-Recens", "Data": [
    {"Taxon": "Latin", "Segments": [33, 0, 51, -1, 0, 13, 20, 0, 26]},
    {"Taxon": "Spanish", "Segments": [33, 0, 58, 12, 0, 13, 20, 0, -1]},
    {"Taxon": "Italian", "Segments": [33, 0, 46, -1, 31, 13, 20, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 0, 14, -1, 64, -1, 46, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 0, 14, -1, 64, -1, 46, 7, -1]},
    {"Taxon": "Friulian", "Segments": [33, 0, 52, -1, 7, 13, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [33, 0, 46, -1, 0, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Full", "Data": [
    {"Taxon": "Latin", "Segments": [48, 32, 25, 13, 15, 14]},
    {"Taxon": "French", "Segments": [48, 32, 62, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 35, 0, 13, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 12, 57, 13, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [16, -1, 60, -1, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [16, -1, 60, -1, 15, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Catalan", "Segments": [48, 68, 31, -1, -1, -1]},
  "Taxon": "Walloon", "Segments": [48, 32, 64, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [48, 32, 31, 13, -1, -1]},
  "Taxon": "Romanian", "Segments": [48, 32, 7, 13, -1, -1]}
}],
{
  "Name": "New", "Data": [
    {"Taxon": "Latin", "Segments": [13, -1, 6, 8, 15, 14]},
    {"Taxon": "French", "Segments": [13, -1, 15, 18, 6, -1]},
    {"Taxon": "Spanish", "Segments": [13, 8, 0, 67, 6, -1]},
    {"Taxon": "Italian", "Segments": [13, -1, 9, 18, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, -1, 6, 18, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [13, -1, 6, 18, 15, -1]},
    {"Taxon": "Catalan", "Segments": [13, -1, 9, 8, -1, -1]},
    {"Taxon": "Walloon", "Segments": [13, -1, 9, 18, 31, -1]},
    {"Taxon": "Friulian", "Segments": [38, -1, 21, 24, -1, -1]},
    {"Taxon": "Romanian", "Segments": [13, -1, 6, 8, -1, -1]}
  ]
},
{
  "Name": "Old", "Data": [
    {"Taxon": "Latin", "Segments": [8, -1, 0, 20, 15, 32, 15, 14]},
    {"Taxon": "French", "Segments": [18, 12, 79, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 12, 0, 34, 6, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [18, -1, 31, 51, -1, 51, 12, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, -1, 60, -1, -1, 35, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [18, -1, 0, -1, -1, 35, 15, -1]},
    {"Taxon": "Catalan", "Segments": [18, -1, 0, -1, -1, 35, -1, -1]},
    {"Taxon": "Walloon", "Segments": [18, 37, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [18, 12, 0, -1, -1, -1, 7, -1]},
    {"Taxon": "Romanian", "Segments": [18, -1, 0, 81, -1, -1, -1, -1]}
  ]
},
{
  "Name": "Good", "Data": [
    {"Taxon": "Latin", "Segments": [19, -1, 6, 13, 15, 14]},
    {"Taxon": "French", "Segments": [19, -1, 61, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 8, 0, 13, 6, -1]},
    {"Taxon": "Italian", "Segments": [19, 8, 73, 13, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [19, -1, 61, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [19, -1, 61, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [19, -1, 9, 13, -1, -1]},
    {"Taxon": "Walloon", "Segments": [19, -1, 61, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [19, -1, 9, 13, -1, -1]},
    {"Taxon": "Romanian", "Segments": [19, -1, 15, 13, -1, -1]}
  ]
},
{
  "Name": "Bad", "Data": [
    {"Taxon": "Latin", "Segments": [26, 27, 32, 15, 14]},
    {"Taxon": "French", "Segments": [26, 27, 32, -1, -1]},
    {"Taxon": "Spanish", "Segments": [26, 27, 32, 6, -1]},
    {"Taxon": "Italian", "Segments": [26, 27, 32, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [26, 27, 8, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [26, 27, 8, -1, -1]},
    {"Taxon": "Catalan", "Segments": [26, 27, 32, -1, -1]},
    {"Taxon": "Walloon", "Segments": [26, 73, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [26, 53, 32, -1, -1]}
  ]
},
{
  "Name": "Rotten", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 20, 33, 7, 23, 15, 14]},
    {"Taxon": "Spanish", "Segments": [48, 6, 50, 28, 7, 50, 6, -1]},
    {"Taxon": "Italian", "Segments": [48, 15, 20, 33, 7, 23, 6, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Catalan", "Segments": [48, 15, 50, 28, 7, 20, -1, -1]},
  "Taxon": "Romanian", "Segments": [48, 15, 20, 33, 0, 23, -1, -1]}
}],
{
  "Name": "Rotten-Putrem", "Data": [
    {"Taxon": "Latin", "Segments": [48, 15, 20, 33, 0, 26]},
    {"Taxon": "Spanish", "Segments": [48, 6, 50, 28, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [48, 6, 23, 28, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [48, 6, 50, 28, 47, -1]}
  ]
},
{
  "Name": "Dirty", "Data": [
    {"Taxon": "Latin", "Segments": [14, 6, 33, 23, 7, 23, 15, 14]},
    {"Taxon": "Spanish", "Segments": [14, 6, 28, 23, 7, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [14, 9, 33, 23, 7, 23, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 9, 28, 23, 7, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [14, 9, 28, 23, 7, 23, 15, -1]}
  ]
},
{
  "Name": "Dirty-Spurcus", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 14, 48, 15, 33, 65, 15, 14]},
    {"Taxon": "Italian", "Segments": [-1, 14, 48, 9, 33, 51, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [7, 14, 48, 15, 28, 51, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [7, 16, 48, 15, 28, 51, 15, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 14, 48, 9, 33, 51, -1, -1]},
    {"Taxon": "Romanian", "Segments": [-1, 14, 48, 15, 33, 51, -1, -1]}
  ]
},
{
  "Name": "Straight", "Data": [
    {"Taxon": "Latin", "Segments": [23, 37, 33, -1, 25, 51, 20, 15, 14]},
    {"Taxon": "French", "Segments": [23, -1, 36, 8, 27, -1, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [23, -1, 33, -1, 7, 20, 20, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [10, 7, 28, -1, 59, -1, 20, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [23, 7, 28, -1, 60, -1, 20, 15, -1]},
    {"Taxon": "Catalan", "Segments": [23, -1, 28, -1, 31, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [23, -1, 33, -1, 72, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [23, -1, 33, -1, 31, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [23, -1, 33, -1, 0, 48, 20, -1, -1]}
  ]
},
{
  "Name": "Round", "Data": [
    {"Taxon": "Latin", "Segments": [33, 6, 20, 15, 13, 23, 15, 14]},
    {"Taxon": "French", "Segments": [36, 61, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [33, 0, 23, 6, 13, 23, 6, -1]},
    {"Taxon": "Italian", "Segments": [33, 7, 20, 6, 13, 23, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [36, 0, 23, 61, -1, 23, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [36, 47, 23, 61, -1, 23, 15, -1]},
    {"Taxon": "Catalan", "Segments": [33, 4, 23, 6, -1, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [33, 61, -1, -1, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [20, 27, 33, 9, 13, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [33, 4, 20, 15, 13, 23, -1, -1]}
  ]
},
{
  "Name": "SharpAsAKnife", "Data": [
    {"Taxon": "Latin", "Segments": [27, 51, 21, 20, 15, 14]},
    {"Taxon": "Spanish", "Segments": [27, 85, 15, 50, 6, -1]},
    {"Taxon": "Portuguese", "Segments": [29, 85, 15, 50, 15, -1]},
    {"Taxon": "Catalan", "Segments": [4, 1, 15, 20, -1, -1]}
  ]
},
{
  "Name": "DullAsAKnife", "Data": [
    {"Taxon": "Latin", "Segments": [40, 0, 19, 0, 20, 0, 26]},
    {"Taxon": "Italian", "Segments": [31, 19, 0, 20, 0, -1, -1]}
  ]
}
```

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```
}},
{"Name": "DullAsAKnife-Retusus", "Data": [
  {"Taxon": "Latin", "Segments": [33, 0, 20, 21, 14, 15, 14]},
  {"Taxon": "Italian", "Segments": [33, 0, 20, 15, 49, 6, -1]}
]},
{"Name": "Smooth", "Data": [
  {"Taxon": "Latin", "Segments": [14, 15, 53, 8, 0, 26]},
  {"Taxon": "Italian", "Segments": [14, 6, 27, 18, 0, -1]},
  {"Taxon": "Catalan", "Segments": [14, 15, 27, 8, -1, -1]}
]},
{"Name": "Smooth-Nitidus", "Data": [
  {"Taxon": "Latin", "Segments": [13, 7, 20, 7, 23, 15, 14]},
  {"Taxon": "French", "Segments": [13, 31, 20, -1, -1, -1, -1]},
  {"Taxon": "Spanish", "Segments": [13, 7, 50, 7, -1, 6, -1]},
  {"Taxon": "Italian", "Segments": [13, 0, 20, -1, 20, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [13, 31, 10, 15, -1, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [13, 31, 10, 15, -1, -1, -1]},
  {"Taxon": "Catalan", "Segments": [13, 31, 20, -1, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [13, 31, 20, -1, -1, -1, -1]},
  {"Taxon": "Romanian", "Segments": [13, 0, 20, 0, 23, -1, -1]}
]},
{"Name": "Wet", "Data": [
  {"Taxon": "Latin", "Segments": [21, 26, 7, 23, 15, 14]},
  {"Taxon": "Italian", "Segments": [15, 26, 7, 23, 6, -1]},
  {"Taxon": "Friulian", "Segments": [15, 26, 7, 23, -1, -1]},
  {"Taxon": "Romanian", "Segments": [15, 26, 0, 23, -1, -1]}
]},
{"Name": "Wet-Udus", "Data": [
  {"Taxon": "Latin", "Segments": [21, 23, 15, 14]},
  {"Taxon": "Romanian", "Segments": [15, 23, -1, -1]}
]},
{"Name": "Dry", "Data": [
  {"Taxon": "Latin", "Segments": [14, 7, 51, 51, 15, 14]},
  {"Taxon": "French", "Segments": [14, 31, -1, 51, -1, -1]},
  {"Taxon": "Spanish", "Segments": [14, 0, -1, 51, 6, -1]},
  {"Taxon": "Italian", "Segments": [14, 0, 51, 51, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 0, -1, 51, 15, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 0, -1, 51, 15, -1]},
  {"Taxon": "Catalan", "Segments": [14, 31, 51, -1, -1, -1]},
  {"Taxon": "Walloon", "Segments": [14, 31, 46, -1, -1, -1]},
  {"Taxon": "Friulian", "Segments": [14, 31, -1, 51, -1, -1]},
  {"Taxon": "Romanian", "Segments": [14, 0, 51, -1, -1, -1]}
]},
{"Name": "Correct", "Data": [
  {"Taxon": "Latin", "Segments": [51, 6, 33, 33, 25, 51, 20, 15, 14]},
  {"Taxon": "Italian", "Segments": [51, 6, 33, 33, 0, 20, 20, 6, -1]}
]},
{"Name": "Near", "Data": [
  {"Taxon": "Latin", "Segments": [48, 33, 6, 51, 14, 7, -1, -1, 26, 15, 14]},
  {"Taxon": "Spanish", "Segments": [48, 28, 6, 34, -1, 7, -1, -1, 26, 6, -1]},
  {"Taxon": "Italian", "Segments": [48, 33, 9, 14, 14, 7, -1, -1, 26, 6, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [48, 28, 6, 14, 7, -1, -1, 26, 15, -1, -1]},
  {"Taxon": "Portuguese", "Segments": [48, 28, 6, 14, 7, -1, -1, 26, 15, -1, -1]},
  {"Taxon": "Catalan", "Segments": [48, 28, 6, -1, -1, -1, 7, 49, 26, 0, -1]},
  {"Taxon": "Friulian", "Segments": [48, 33, 6, -1, 14, 7, -1, -1, 26, -1, -1]}
]},
```

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```
{
  "Name": "Near-AdPrope", "Data": [
    { "Taxon": "Latin", "Segments": [27, 23, 48, 33, 6, 48, 33, 0] },
    { "Taxon": "Catalan", "Segments": [4, -1, 48, 28, 9, 48, -1, -1] },
    { "Taxon": "Romanian", "Segments": [27, -1, 48, 33, 39, 48, -1, 0] }
  ],
  "Name": "Near-Pressus", "Data": [
    { "Taxon": "Latin", "Segments": [48, 33, 0, 14, 14, 15, 14] },
    { "Taxon": "French", "Segments": [48, 36, 0, -1, -1, -1, -1] },
    { "Taxon": "Italian", "Segments": [48, 33, 31, 14, 14, 6, -1] },
    { "Taxon": "Walloon", "Segments": [48, 33, 31, -1, -1, -1, -1] }
  ],
  "Name": "Near-Vicinus", "Data": [
    { "Taxon": "Latin", "Segments": [8, -1, 37, 51, 37, 13, 15, 14] },
    { "Taxon": "French", "Segments": [18, 8, 27, 49, 62, -1, -1, -1] },
    { "Taxon": "Spanish", "Segments": [19, -1, 0, 58, 7, 13, 6, -1] },
    { "Taxon": "Italian", "Segments": [18, -1, 7, 46, 7, 13, 6, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [18, -1, 7, 49, 7, 38, 15, -1] },
    { "Taxon": "Portuguese", "Segments": [18, -1, 7, 49, 7, 38, 15, -1] },
    { "Taxon": "Catalan", "Segments": [19, -1, 4, -1, 7, -1, -1, -1] },
    { "Taxon": "Walloon", "Segments": [18, -1, 7, 3, 64, -1, -1, -1] },
    { "Taxon": "Friulian", "Segments": [18, -1, 7, 46, 7, 13, -1, -1] },
    { "Taxon": "Romanian", "Segments": [18, -1, 0, 46, 7, 13, -1, -1] }
  ],
  "Name": "Near-Circa", "Data": [
    { "Taxon": "Latin", "Segments": [51, 7, 33, 51, 27] },
    { "Taxon": "French", "Segments": [58, 0, 28, 51, 27] }
  ],
  "Name": "Far", "Data": [
    { "Taxon": "French", "Segments": [32, 8, 62, -1, 20, 62, -1, -1] },
    { "Taxon": "Italian", "Segments": [32, -1, 6, 13, 20, 27, 13, 6] },
    { "Taxon": "Catalan", "Segments": [35, -1, 15, 13, 20, 27, -1, -1] },
    { "Taxon": "Friulian", "Segments": [32, -1, 6, 13, 20, 27, 13, -1] }
  ],
  "Name": "Right-Dextrem", "Data": [
    { "Taxon": "Latin", "Segments": [23, -1, 0, 51, 14, 20, 33, 15, 26] },
    { "Taxon": "Spanish", "Segments": [23, 12, 0, -1, 14, 20, 28, 6, -1] },
    { "Taxon": "Italian", "Segments": [23, -1, 31, -1, 14, 20, 33, 6, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [23, -1, 31, -1, 14, 20, 28, 15, -1] },
    { "Taxon": "Portuguese", "Segments": [23, -1, 31, -1, 16, 20, 28, 15, -1] },
    { "Taxon": "Catalan", "Segments": [23, -1, 0, -1, 14, 20, 28, 4, -1] },
    { "Taxon": "Friulian", "Segments": [23, 12, 0, -1, 14, 20, 33, 7, -1] }
  ],
  "Name": "Left", "Data": [
    { "Taxon": "Latin", "Segments": [14, 7, 13, -1, 7, 14, 20, 33, 15, 26] },
    { "Taxon": "French", "Segments": [14, 4, 13, -1, 31, 14, 20, 36, -1, -1] },
    { "Taxon": "Spanish", "Segments": [14, 7, 13, 12, 0, 14, 20, 28, 6, -1] },
    { "Taxon": "Italian", "Segments": [14, 7, 13, -1, 0, 14, 20, 33, 6, -1] },
    { "Taxon": "PortugueseBrazil", "Segments": [14, -1, -1, -1, 31, 16, 20, 28, 15, -1] },
    { "Taxon": "Portuguese", "Segments": [14, -1, -1, -1, 31, 16, 20, 28, 15, -1] },
    { "Taxon": "Friulian", "Segments": [14, 7, 38, -1, 0, 14, 20, 33, 7, -1] }
  ],
  "Name": "Red", "Data": [
    { "Taxon": "Latin", "Segments": [33, 15, 14, 14, 15, 14] },
    { "Taxon": "French", "Segments": [36, 15, -1, -1, -1, -1] },
    { "Taxon": "Spanish", "Segments": [33, 6, -1, 34, 6, -1] },
    { "Taxon": "Italian", "Segments": [33, 6, 14, 14, 6, -1] },
  ]
}
```


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```
{
  "Taxon": "PortugueseBrazil", "Segments": [36, 6, -1, 16, 94, -1]},
  "Taxon": "Portuguese", "Segments": [36, 6, -1, 16, 15, -1]},
  "Taxon": "Catalan", "Segments": [33, 6, -1, 14, -1, -1]},
  "Taxon": "Friulian", "Segments": [33, 9, -1, 14, -1, -1]},
  "Taxon": "Romanian", "Segments": [28, 6, -1, 16, 15, -1]}
}],
{
  "Name": "Red-Vermiculus", "Data": [
    {"Taxon": "Latin", "Segments": [18, 0, 33, 26, 7, 51, 15, 32, 15, 14]},
    {"Taxon": "French", "Segments": [18, 31, 36, 26, 86, -1, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 0, 28, 26, 0, 34, 6, -1, -1, -1]},
    {"Taxon": "Italian", "Segments": [18, 0, 33, 26, 7, 35, -1, 35, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 0, 36, 26, 0, -1, -1, 35, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 47, 28, 26, 60, -1, -1, 35, 15, -1]},
    {"Taxon": "Catalan", "Segments": [19, 4, 33, 26, 31, -1, -1, 35, -1, -1]}
  ]
},
{
  "Name": "Red-Rubeus", "Data": [
    {"Taxon": "Latin", "Segments": [33, 15, -1, 19, 0, 15, 14]},
    {"Taxon": "French", "Segments": [36, 15, -1, 3, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [33, 15, -1, 19, 12, 6, -1]},
    {"Taxon": "Italian", "Segments": [33, 9, 19, 19, 12, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [33, 15, -1, 19, 0, 6, -1]},
    {"Taxon": "Portuguese", "Segments": [33, 15, -1, 19, 0, 6, -1]},
    {"Taxon": "Catalan", "Segments": [33, 15, -1, 10, 0, -1, -1]},
    {"Taxon": "Walloon", "Segments": [33, 9, -1, 46, -1, -1, -1]},
    {"Taxon": "Romanian", "Segments": [33, 17, -1, 19, -1, -1, -1]}
  ]
},
{
  "Name": "Green", "Data": [
    {"Taxon": "Latin", "Segments": [8, 7, 33, 7, 23, 0, 26]},
    {"Taxon": "French", "Segments": [18, 0, 36, -1, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [19, 0, 28, -1, 23, 0, -1]},
    {"Taxon": "Italian", "Segments": [18, 0, 33, -1, 23, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [18, 0, 28, -1, 23, 47, -1]},
    {"Taxon": "Portuguese", "Segments": [18, 0, 28, -1, 23, 47, -1]},
    {"Taxon": "Catalan", "Segments": [18, 31, 28, -1, 20, -1, -1]},
    {"Taxon": "Walloon", "Segments": [18, 31, 36, -1, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [18, 31, 33, -1, 20, -1, -1]},
    {"Taxon": "Romanian", "Segments": [18, 0, 28, -1, 23, 0, -1]}
  ]
},
{
  "Name": "Yellow", "Data": [
    {"Taxon": "Latin", "Segments": [1, 27, 32, 19, 7, 13, 15, 14]},
    {"Taxon": "French", "Segments": [3, 6, -1, -1, -1, 13, -1, -1]},
    {"Taxon": "Walloon", "Segments": [10, 31, -1, -1, -1, 13, -1, -1]},
    {"Taxon": "Romanian", "Segments": [1, 27, 32, 19, 0, 13, -1, -1]}
  ]
},
{
  "Name": "Yellow-Amarellus", "Data": [
    {"Taxon": "Latin", "Segments": [27, 26, 27, 33, 0, 32, 32, 15, 14]},
    {"Taxon": "Spanish", "Segments": [27, 26, 27, 28, 7, -1, 5, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [29, 26, 27, 28, 31, -1, 32, 15, -1]},
    {"Taxon": "Portuguese", "Segments": [29, 26, 29, 28, 31, -1, 32, 15, -1]}
  ]
},
{
  "Name": "Yellow-Croceus", "Data": [
    {"Taxon": "Latin", "Segments": [51, 33, 6, 51, 0, 15, 14]},
    {"Taxon": "Italian", "Segments": [51, 33, 6, 46, 0, 6, -1]},
    {"Taxon": "Catalan", "Segments": [1, 28, 9, 51, -1, -1, -1]}
  ]
},
{
  "Name": "White", "Data": [
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Latin", "Segments": [27, 32, 19, 15, 14]},
  "Taxon": "Spanish", "Segments": [27, 32, 19, 6, -1]},
  "Taxon": "Italian", "Segments": [27, 32, 19, 6, -1]},
  "Taxon": "PortugueseBrazil", "Segments": [27, 8, 18, 15, -1]},
  "Taxon": "Portuguese", "Segments": [27, 32, 18, 15, -1]},
  "Taxon": "Catalan", "Segments": [27, 32, 19, -1, -1]},
  "Taxon": "Romanian", "Segments": [27, 32, 19, -1, -1]}
}],
{
  "Name": "One", "Data": [
    {"Taxon": "Latin", "Segments": [21, 13, 15, 26]},
    {"Taxon": "French", "Segments": [93, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [15, 13, 6, -1]},
    {"Taxon": "Italian", "Segments": [15, 13, 6, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [90, -1, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [90, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [15, 13, -1, -1]},
    {"Taxon": "Walloon", "Segments": [61, -1, -1, -1]},
    {"Taxon": "Friulian", "Segments": [15, 75, -1, -1]},
    {"Taxon": "Romanian", "Segments": [15, 13, 15, -1]}
  ]
},
{
  "Name": "Two-Duos", "Data": [
    {"Taxon": "Latin", "Segments": [23, 15, 2, 14]},
    {"Taxon": "French", "Segments": [23, -1, 79, -1]},
    {"Taxon": "Spanish", "Segments": [23, -1, 6, 14]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, -1, 17, 14]},
    {"Taxon": "Portuguese", "Segments": [23, -1, 17, 16]},
    {"Taxon": "Catalan", "Segments": [23, -1, 6, 14]},
    {"Taxon": "Walloon", "Segments": [23, -1, 72, -1]},
    {"Taxon": "Friulian", "Segments": [23, -1, 17, -1]},
    {"Taxon": "Romanian", "Segments": [23, -1, 17, -1]}
  ]
},
{
  "Name": "Two-Duae", "Data": [
    {"Taxon": "Latin", "Segments": [23, 15, -1, 56]},
    {"Taxon": "Italian", "Segments": [23, 15, -1, 0]},
    {"Taxon": "Romanian", "Segments": [23, 6, 8, 4]}
  ]
},
{
  "Name": "Two-Duas", "Data": [
    {"Taxon": "Latin", "Segments": [23, 15, 27, 14]},
    {"Taxon": "PortugueseBrazil", "Segments": [23, 15, 29, 14]},
    {"Taxon": "Portuguese", "Segments": [23, 15, 29, 16]}
  ]
},
{
  "Name": "Three", "Data": [
    {"Taxon": "Latin", "Segments": [20, 33, -1, 25, 14]},
    {"Taxon": "French", "Segments": [20, 36, 8, 84, -1]},
    {"Taxon": "Spanish", "Segments": [20, 28, -1, 0, 14]},
    {"Taxon": "Italian", "Segments": [20, 33, -1, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [20, 28, -1, 0, 14]},
    {"Taxon": "Portuguese", "Segments": [20, 28, -1, 0, 16]},
    {"Taxon": "Catalan", "Segments": [20, 33, -1, 31, 14]},
    {"Taxon": "Walloon", "Segments": [20, 33, -1, 72, -1]},
    {"Taxon": "Friulian", "Segments": [20, 33, -1, 25, -1]},
    {"Taxon": "Romanian", "Segments": [20, 33, -1, 59, -1]}
  ]
},
{
  "Name": "Four", "Data": [
    {"Taxon": "Latin", "Segments": [87, -1, 27, 20, 20, 8, 6, 33, -1]},
    {"Taxon": "French", "Segments": [51, -1, 27, -1, 20, -1, -1, 36, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Spanish", "Segments": [51, 8, 27, -1, 20, -1, -1, 28, 6]},
  "Taxon": "Italian", "Segments": [51, 8, 27, 20, -1, -1, 33, 6]},
  "Taxon": "PortugueseBrazil", "Segments": [51, 8, 27, -1, 20, -1, -1, 28, 15]},
  "Taxon": "Portuguese", "Segments": [51, 8, 27, -1, 20, -1, -1, 28, 15]},
  "Taxon": "Catalan", "Segments": [51, 8, 27, -1, 20, -1, -1, 28, 4]},
  "Taxon": "Walloon", "Segments": [51, 8, 27, -1, 20, -1, -1, -1, -1]},
  "Taxon": "Friulian", "Segments": [51, 8, 27, -1, 20, -1, -1, 33, 7]},
  "Taxon": "Romanian", "Segments": [48, -1, 27, -1, 20, -1, -1, 33, 15]}
}],
{
  "Name": "Five", "Data": [
    {"Taxon": "Latin", "Segments": [87, 37, 13, 87, -1, 0]},
    {"Taxon": "French", "Segments": [14, 64, -1, 51, -1, -1]},
    {"Taxon": "Spanish", "Segments": [58, 7, 13, 51, -1, 6]},
    {"Taxon": "Italian", "Segments": [46, 7, 75, 51, 8, 0]},
    {"Taxon": "PortugueseBrazil", "Segments": [14, 44, -1, 51, -1, 15]},
    {"Taxon": "Portuguese", "Segments": [14, 44, -1, 51, -1, 15]},
    {"Taxon": "Catalan", "Segments": [14, 7, 75, 51, -1, -1]},
    {"Taxon": "Walloon", "Segments": [14, 64, -1, 51, -1, -1]},
    {"Taxon": "Friulian", "Segments": [46, 7, 75, 51, -1, -1]},
    {"Taxon": "Romanian", "Segments": [46, 7, 13, 46, -1, -1]}
  ]
},
{
  "Name": "Here", "Data": [
    {"Taxon": "Latin", "Segments": [-1, 0, 51, 51, 15, 26, 40, 37, 51]},
    {"Taxon": "French", "Segments": [7, -1, -1, 14, -1, -1, -1, 7, -1]},
    {"Taxon": "Spanish", "Segments": [-1, 27, -1, 51, -1, -1, -1, 7, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, -1, 51, 8, -1, -1, 7, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, 27, -1, 51, -1, -1, -1, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, 29, -1, 51, -1, -1, -1, 7, -1]},
    {"Taxon": "Catalan", "Segments": [-1, 27, -1, 51, -1, -1, -1, 7, -1]},
    {"Taxon": "Friulian", "Segments": [-1, 27, -1, 51, -1, -1, -1, 7, -1]}
  ]
},
{
  "Name": "There", "Data": [
    {"Taxon": "Latin", "Segments": [7, 32, 32, 53, 51]},
    {"Taxon": "French", "Segments": [-1, -1, 32, 27, -1]},
    {"Taxon": "Spanish", "Segments": [27, -1, 5, 27, -1]},
    {"Taxon": "Italian", "Segments": [-1, -1, 32, 27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [-1, -1, 32, 27, -1]},
    {"Taxon": "Portuguese", "Segments": [-1, -1, 32, 27, -1]},
    {"Taxon": "Catalan", "Segments": [4, -1, 35, 27, -1]},
    {"Taxon": "Walloon", "Segments": [-1, -1, 32, 27, -1]},
    {"Taxon": "Romanian", "Segments": [-1, -1, 32, 27, -1]}
  ]
},
{
  "Name": "There-Ibi", "Data": [
    {"Taxon": "Latin", "Segments": [7, 19, 37]},
    {"Taxon": "Italian", "Segments": [-1, 18, 7]}
  ]
},
{
  "Name": "There-AdIbi", "Data": [
    {"Taxon": "Spanish", "Segments": [27, 7]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, 7]},
    {"Taxon": "Portuguese", "Segments": [29, 7]}
  ]
},
{
  "Name": "Who-Qui", "Data": [
    {"Taxon": "Latin", "Segments": [87, -1, 7, 14]},
    {"Taxon": "French", "Segments": [51, -1, 7, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 7, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 7, -1]}
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "Walloon", "Segments": [51, -1, 37, -1]},
  "Taxon": "Friulian", "Segments": [51, 8, 7, -1]}
}],
{
  "Name": "Who-Quem", "Data": [
    {"Taxon": "Latin", "Segments": [87, -1, 0, 26, -1]},
    {"Taxon": "Spanish", "Segments": [51, 12, 0, 13, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 41, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 54, -1, -1]},
    {"Taxon": "Romanian", "Segments": [46, -1, 7, 13, 0]}
  ]
},
{
  "Name": "What", "Data": [
    {"Taxon": "Latin", "Segments": [87, -1, 7, 23]},
    {"Taxon": "French", "Segments": [51, 8, 27, -1]},
    {"Taxon": "Spanish", "Segments": [51, -1, 0, -1]},
    {"Taxon": "Italian", "Segments": [51, -1, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, -1, 7, -1]},
    {"Taxon": "Portuguese", "Segments": [51, -1, 47, -1]},
    {"Taxon": "Catalan", "Segments": [51, -1, 31, -1]},
    {"Taxon": "Walloon", "Segments": [51, 8, 57, -1]},
    {"Taxon": "Friulian", "Segments": [46, -1, 0, -1]},
    {"Taxon": "Romanian", "Segments": [46, -1, 0, -1]}
  ]
},
{
  "Name": "When-Quando", "Data": [
    {"Taxon": "Latin", "Segments": [87, -1, 27, 13, 23, 2]},
    {"Taxon": "French", "Segments": [51, -1, 43, -1, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 8, 27, 13, 23, 6]},
    {"Taxon": "Italian", "Segments": [51, 8, 27, 13, 23, 6]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 8, 45, -1, 23, 15]},
    {"Taxon": "Portuguese", "Segments": [51, 8, 45, -1, 23, 15]},
    {"Taxon": "Catalan", "Segments": [51, 8, 27, 13, -1, -1]},
    {"Taxon": "Walloon", "Segments": [51, 8, 27, 13, 23, -1]},
    {"Taxon": "Friulian", "Segments": [51, 8, 27, 13, 20, -1]},
    {"Taxon": "Romanian", "Segments": [51, -1, 47, 13, 23, -1]}
  ]
},
{
  "Name": "How-Quomodo", "Data": [
    {"Taxon": "Latin", "Segments": [87, 2, 26, 6, 23, 6]},
    {"Taxon": "French", "Segments": [51, 9, 26, 43, -1, -1]},
    {"Taxon": "Spanish", "Segments": [51, 6, 26, 6, -1, -1]},
    {"Taxon": "Italian", "Segments": [51, 6, 26, 0, -1, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 6, 26, 15, -1, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 6, 26, 15, -1, -1]},
    {"Taxon": "Catalan", "Segments": [51, 9, 26, -1, -1, -1]},
    {"Taxon": "Walloon", "Segments": [51, 9, 26, 62, -1, -1]},
    {"Taxon": "Friulian", "Segments": [46, 0, 26, 21, 20, -1]},
    {"Taxon": "Romanian", "Segments": [51, 15, 26, -1, -1, -1]}
  ]
},
{
  "Name": "Not", "Data": [
    {"Taxon": "Latin", "Segments": [13, 2, 13]},
    {"Taxon": "French", "Segments": [13, 42, -1]},
    {"Taxon": "Spanish", "Segments": [13, 6, -1]},
    {"Taxon": "Italian", "Segments": [13, 6, 13]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 63, -1]},
    {"Taxon": "Portuguese", "Segments": [13, 63, -1]},
    {"Taxon": "Catalan", "Segments": [13, 6, -1]},
    {"Taxon": "Walloon", "Segments": [13, 42, -1]},
    {"Taxon": "Friulian", "Segments": [13, 6, -1]},
  ]
}
```

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```
{
  "Taxon": "Romanian", "Segments": [13, 15, -1]}
}],
{
  "Name": "Not-Nec", "Data": [
    {"Taxon": "Latin", "Segments": [13, 0, 51]},
    {"Taxon": "French", "Segments": [13, 7, -1]},
    {"Taxon": "Spanish", "Segments": [13, 7, -1]},
    {"Taxon": "Italian", "Segments": [13, 0, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [13, 41, -1]},
    {"Taxon": "Portuguese", "Segments": [13, 54, -1]},
    {"Taxon": "Catalan", "Segments": [13, 7, -1]},
    {"Taxon": "Walloon", "Segments": [13, 64, -1]}
  ]
},
{
  "Name": "At", "Data": [
    {"Taxon": "Latin", "Segments": [27, 23]},
    {"Taxon": "French", "Segments": [27, -1]},
    {"Taxon": "Spanish", "Segments": [27, -1]},
    {"Taxon": "Italian", "Segments": [27, -1]},
    {"Taxon": "PortugueseBrazil", "Segments": [27, -1]},
    {"Taxon": "Portuguese", "Segments": [29, -1]},
    {"Taxon": "Catalan", "Segments": [27, -1]},
    {"Taxon": "Walloon", "Segments": [27, -1]},
    {"Taxon": "Friulian", "Segments": [27, -1]},
    {"Taxon": "Romanian", "Segments": [27, -1]}
  ]
},
{
  "Name": "In-In", "Data": [
    {"Taxon": "Latin", "Segments": [7, 13]},
    {"Taxon": "Spanish", "Segments": [0, 13]},
    {"Taxon": "Italian", "Segments": [7, 13]},
    {"Taxon": "PortugueseBrazil", "Segments": [41, -1]},
    {"Taxon": "Portuguese", "Segments": [54, -1]},
    {"Taxon": "Catalan", "Segments": [4, 13]},
    {"Taxon": "Romanian", "Segments": [47, 13]}
  ]
},
{
  "Name": "In-Deintus", "Data": [
    {"Taxon": "Latin", "Segments": [23, 0, 7, 13, 20, 15, 14]},
    {"Taxon": "French", "Segments": [23, 43, -1, -1, -1, -1, -1]},
    {"Taxon": "Catalan", "Segments": [23, 7, -1, 13, -1, -1, 14]}
  ]
},
{
  "Name": "With-Cum", "Data": [
    {"Taxon": "Latin", "Segments": [51, 15, 26]},
    {"Taxon": "Spanish", "Segments": [51, 6, 13]},
    {"Taxon": "Italian", "Segments": [51, 6, 13]},
    {"Taxon": "PortugueseBrazil", "Segments": [51, 61, -1]},
    {"Taxon": "Portuguese", "Segments": [51, 61, -1]},
    {"Taxon": "Romanian", "Segments": [51, 15, -1]}
  ]
},
{
  "Name": "With-Abhoc", "Data": [
    {"Taxon": "Latin", "Segments": [27, 19, 40, 6, 65]},
    {"Taxon": "French", "Segments": [27, 18, -1, 0, 51]},
    {"Taxon": "Walloon", "Segments": [27, 18, -1, 15, -1]}
  ]
},
{
  "Name": "And-Et", "Data": [
    {"Taxon": "Latin", "Segments": [0, 20]},
    {"Taxon": "French", "Segments": [0, -1]},
    {"Taxon": "Spanish", "Segments": [7, -1]},
    {"Taxon": "Italian", "Segments": [0, -1]},
  ]
}
```

Appendix 1 - Tongue Twister Configuration

```
{
  "Taxon": "PortugueseBrazil", "Segments": [7, -1]},
  {"Taxon": "Portuguese", "Segments": [7, -1]},
  {"Taxon": "Catalan", "Segments": [7, -1]},
  {"Taxon": "Walloon", "Segments": [31, -1]},
  {"Taxon": "Friulian", "Segments": [0, -1]},
  {"Taxon": "Romanian", "Segments": [0, -1]}
}],
{"Name": "And-Si", "Data": [
  {"Taxon": "Latin", "Segments": [14, 37, 51]},
  {"Taxon": "French", "Segments": [14, 7, -1]},
  {"Taxon": "Spanish", "Segments": [14, 7, -1]},
  {"Taxon": "Italian", "Segments": [14, 7, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [14, 44, -1]},
  {"Taxon": "Portuguese", "Segments": [14, 44, -1]},
  {"Taxon": "Catalan", "Segments": [14, 7, -1]},
  {"Taxon": "Walloon", "Segments": [14, 7, -1]},
  {"Taxon": "Friulian", "Segments": [14, 7, -1]},
  {"Taxon": "Romanian", "Segments": [16, 7, -1]}
]},
{"Name": "Because-Quod", "Data": [
  {"Taxon": "Latin", "Segments": [87, 6, 23]},
  {"Taxon": "French", "Segments": [51, 4, -1]},
  {"Taxon": "Spanish", "Segments": [51, 0, -1]},
  {"Taxon": "Italian", "Segments": [51, 0, -1]},
  {"Taxon": "PortugueseBrazil", "Segments": [51, 7, -1]},
  {"Taxon": "Portuguese", "Segments": [51, 47, -1]},
  {"Taxon": "Catalan", "Segments": [51, 4, -1]},
  {"Taxon": "Walloon", "Segments": [51, 37, -1]},
  {"Taxon": "Friulian", "Segments": [51, 0, -1]},
  {"Taxon": "Romanian", "Segments": [51, 4, -1]}
]}
]
```


Appendix 2 - RevBayes Source File

```
#####
# RevBayes Source File for Linguistomics Project #
#####
clear()
path = "C:/Users/shawn/Documents/Code/Linguistomics/Run/Run2/"
gammapath = path+"Gamma.trees"

# Read in discrete character data
data = readDiscreteCharacterData(path+"Characters.nex")

# Get some useful variables from the data. We need these later on
num_taxa <- data.ntaxa()

# Number of branches in an rooted tree
num_branches <- 2 * num_taxa - 2
taxa <- data.taxa()

# Create helper variables
moves      = VectorMoves()
monitors   = VectorMonitors()

#####
# Tree Model #
#####

# Outgroup is a clade consisting of one language
out_group = clade("Latin")

# Prior distribution on the tree topology
topology ~ dnUniformTopology(taxa, outgroup=out_group, rooted=TRUE)

# These are moves that change the tree topology
moves.append(mvNNI(topology, weight=num_taxa/2.0))
moves.append(mvSPR(topology, weight=num_taxa/10.0))

# Branch length prior
for (i in 1:num_branches) {
  bl[i] ~ dnExponential(10.0)
  moves.append(mvScale(bl[i]))
}

TL := sum(bl)

psi := treeAssembly(topology, bl)

#####
# Substitution Model #
#####

# This is the number of unique characters from the segment filters
unique_chars = 1

#####
# Gamma model for among-site variation #
```

Appendix 2 - RevBayes Source File

```
#####
alpha ~ dnUniform(0, 10.0)
moves.append(mvScale(alpha, weight=1))
site_rates := fnDiscretizeGamma(alpha, alpha, 4)

#####
# PhyloCTMC Model #
#####
seq ~ dnPhyloCTMC(tree=psi, Q=Q, type="Standard", siteRates=site_rates)
seq.clamp(data)

#####
# Analysis #
#####

# You can use any node as the argument of model()
mymodel = model(psi)
n_gen = 10

# This prints monitors to the screen
monitors.append(mnScreen(TL, printgen=n_gen))

# This monitors the trees and puts them in a file
monitors.append(mnFile(psi, filename=gammapath, printgen=n_gen))

# Model monitor
monitors.append(mnModel(filename=path+"Gamma.log", printgen=n_gen))
mymcmc = mcmc(mymodel, moves, monitors, nruns=1, combine="mixed")
mymcmc.run(generations=1000)

# Summarizes the MCMC runs
mymcmc.operatorSummary()

#####
# Post processing #
#####
treetrace = readTreeTrace(gammapath, outgroup=out_group)
map_tree = mapTree(treetrace, path+"Gamma_MAP.tree")
mcc_tree = mccTree(treetrace, path+"test.con.tre")
consensus_tree = consensusTree(treetrace, path+"Gamma_Consensus.tree")

# Exit the program
q()
```

Appendix 3 - Character File

```
#NEXUS
begin taxa;
  dimensions ntax=10;
  taxlabels Latin French Spanish Italian PortugueseBrazil Portuguese Catalan Walloon Friulian
Romanian;
end;

begin characters;
  dimensions ntax=10 nchar=2573;
  format datatype=STANDARD interleave=yes respectcase gap=- missing=? symbols="A";

matrix
[ I ]
Latin          -012          - e g o:
French         34--          ʒ ə - -
Spanish        5--6          j - - o
Italian        7--6          i - - o
PortugueseBrazil -0-8        - e - w
Portuguese     -0-8          - e - w
Catalan        3--9          ʒ - - ɔ
Walloon       1011--        ɔ̃ ɪ - -
Friulian       12--6        j - - o
Romanian      120-8        j e - w

[ We ]
Latin          132-14-        n o: - s -
French         1315---        n u - - -
Spanish        136-14-        n o - s -
Italian        1327--        n o: i - -
PortugueseBrazil 13912-14    n ɔ j - s
Portuguese     139-16-        n ɔ - ʃ -
Catalan
Walloon       136---        n o - - -
Friulian      132---        n o: - - -
Romanian     1317---        n oj - - -

[ YouPlural ]
Latin          82-14          w o: - s
French         1815--        v u - -
Spanish        196-14        b o - s
Italian        1827-         v o: i -
PortugueseBrazil 1891214    v ɔ j s
Portuguese     186-16        v o - ʃ
Catalan        1915-14        b u - s
Walloon       186-14        v o - s
Friulian      182--         v o: - -
Romanian     1817--         v oj - -

[ YouSingular ]
Latin          2021          t u:
French         2022          t y
Spanish        2015          t u
Italian        2015          t u
PortugueseBrazil 2015        t u
Portuguese     2015          t u
Catalan        2015          t u
```

Appendix 3 - Character File

Walloon	2022	t y
Friulian	2015	t u
Romanian	2015	t u
[YouSingular]		
Latin		
French		
Spanish	-151420023	- u s t e d
Italian		
PortugueseBrazil	18614-0-	v o s - e -
Portuguese	18914-0-	v o s - e -
Catalan	18614200-	v o s t e -
Walloon		
Friulian		
Romanian		
[Woman]		
Latin	2425-267-13-27	f e: - m i - n - a
French	2427-26-----	f a - m - - - -
Spanish	-0-26-1928-27	- e - m - b r - a
Italian	24026267-13-27	f e m m i - n - a
PortugueseBrazil	240-260---29	f e - m e - - - e
Portuguese	240-2612---29	f e - m j - - - e
Catalan	240-26-1928-27	f e - m - b r - a
Walloon	2430-26-----	f œ - m - - - -
Friulian	2431-267-13-31	f ε - m i - n - ε
Romanian	240-260--120	f e - m e - - j e
[Woman]		
Latin	2615327033026	m u l i e r e m
French		
Spanish	261534-028--	m u x - e r - -
Italian	26635350---	m o ł ł e - - -
PortugueseBrazil	261535-036--	m u ł - e ʁ - -
Portuguese	261535-028--	m u ł - e r - -
Catalan	261535-0---	m u ł - e - - -
Walloon		
Friulian	2615--3733--	m u - - i: r - -
Romanian	2615-120330-	m u - j e r e -
[Woman]		
Latin	2362671327	d o m i n a
French	232726---	d a m - - -
Spanish	236--3827	d o - - ɲ a
Italian	23913-1327	d o n - n a
PortugueseBrazil	236--1329	d o - - n e
Portuguese	236--1329	d o - - n e
Catalan	239--134	d o - - n ə
Walloon	233026---	d œ m - - -
Friulian	239--130	d o - - n e
Romanian	233926-134	d oam - n ə
[ManHumanBeing]		
Latin	406267-13026	h o m i - n e m
French	-926-----	- o m - - - -
Spanish	626-19280--	o m - b r e - -

Appendix 3 - Character File

Italian		
PortugueseBrazil	62641-----	o m ěj - - - -
Portuguese	92641-----	ɔ m ěj - - - -
Catalan	-9264----	- ɔ m ə - - - -
Walloon	-926-----	- ɔ m - - - -
Friulian	-926-----	- ɔ m - - - -
Romanian	-626-----	- o m - - - -
[ManHumanBeing]		
Latin	40-6262	h - o m o:
French	--42--	- - ð - -
Spanish		
Italian	-89266	- w ɔ m o
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Child]		
Latin	71324271320026	i n f a n t e m
French	43-2443----	ã - f ã - - -
Spanish	713242713200-	i n f a n t e -
Italian	--242713200-	- - f a n t e -
PortugueseBrazil	44-2445-467-	ĩ - f ě - ʎ i -
Portuguese	44-2445-2047-	ĩ - f ě - t i -
Catalan		
Walloon	31-2443----	ε - f ã - - -
Friulian		
Romanian		
[Child]		
Latin		
French		
Spanish	137386	n i ɲ o
Italian	137136	n i n o
PortugueseBrazil	1301341	n e n ěj
Portuguese	1301341	n e n ěj
Catalan	13013-	n e n -
Walloon		
Friulian		
Romanian		
[Wife]		
Latin	-14486131427	- s p o n s a
French	0-4815-49-	e - p u - z -
Spanish	014486-1427	e s p o - s a
Italian	-14489-4927	- s p ɔ - z a
PortugueseBrazil	714486-4927	i s p o - z a
Portuguese	4716486-4929	i ʃ p o - z e
Catalan	414489-494	ə s p ɔ - z ə
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[Wife]		
Latin	2615327033-	mul i e r -
French		
Spanish	261534-028-	mu x - e r -
Italian	26635350--	mo Á Á e - -
PortugueseBrazil	261535-036-	mu Á - e x -
Portuguese	261535-028-	mu Á - e r -
Catalan	261535-0--	mu Á - e - -
Walloon		
Friulian	2615-3733--	mu - i: r - -
Romanian	2615-120330	mu - j e r e
[Husband]		
Latin	26273337201514	ma r i: t u s
French	2627367---	ma x i - - -
Spanish	2627287506-	ma r i ð o -
Italian	2627337206-	ma r i t o -
PortugueseBrazil	26272872315-	ma r i d u -
Portuguese	26292875015-	m e r i ð u -
Catalan	262728720--	ma r i t - -
Walloon		
Friulian	2627333720--	ma r i: t - -
Romanian	26433720--	m a r i t - -
[Husband]		
Latin	-1448613141514	- s p o n s u s
French	0-4815----	e - p u - - - -
Spanish	014486-146-	e s p o - s o -
Italian	-14489-496-	- s p o - z o -
PortugueseBrazil	714486-4915-	i s p o - z u -
Portuguese	4716486-4915-	i j p o - z u -
Catalan	414489-14--	a s p o - s - -
Walloon		
Friulian	-14482-14--	- s p o: - s - -
Romanian		
[Husband]		
Latin	1465171514	s o k i u s
French		
Spanish		
Italian	14946-6-	s o f - o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	14652---	s o t s - - -
[Mother]		
Latin	26532033026	ma: t r e m
French	260-36--	me - x - -
Spanish	262750280-	ma ð r e -
Italian	265323330-	ma: d r e -
PortugueseBrazil	2654----	m e j - - - -
Portuguese	2654----	m e j - - - -
Catalan	2627-284-	ma - r a -

Appendix 3 - Character File

Walloon	260-55--	m e - r - -
Friulian	2627-337-	m a - r i -
Romanian		
[Father]		
Latin	482720330	p a t r e
French	480-36-	p e - r -
Spanish	482750280	p a ð r e
Italian	485323330	p a : d r e
PortugueseBrazil	4856---	p a j - - -
Portuguese	4856---	p a j - - -
Catalan	4827-284	p a - r ə
Walloon	4857-33-	p ɛ : - r -
Friulian	4827-337	p a - r i
Romanian		
[Father]		
Latin	20272027	t a t a
French		
Spanish	20272027	t a t a
Italian	20272027	t a t a
PortugueseBrazil	20272027	t a t a
Portuguese	20272027	t a t a
Catalan		
Walloon		
Friulian		
Romanian	2027204	t a t ə
[Animal]		
Latin	27137262732727	a n i m a l i a
French	6--2627-12-	o - - m a - j -
Spanish	27327262738-27	a l i m a ɲ - a
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	130265332---	n e m a : l - - -
Romanian	-1342627-120	- n ə m a - j e
[Animal]		
Latin	19251420727	b e : s t i a
French		
Spanish		
Italian	1971616-27	b i ʃ ʃ - a
PortugueseBrazil	197-16-29	b i - ʃ - ɐ
Portuguese	197-16-29	b i - ʃ - ɐ
Catalan		
Walloon		
Friulian	19714---	b i s - - -
Romanian		
[Fish]		
Latin	4871451026	p i s k e m
French		
Spanish	48058---	p e θ - - -

Appendix 3 - Character File

Italian	48016160-	p e ʃ ʃ e -
PortugueseBrazil	485916-7-	p ej ʃ - i -
Portuguese	486016-47-	p øj ʃ - i -
Catalan	48016---	p e ʃ - - -
Walloon		
Friulian	483114---	p ε s - - -
Romanian	48016200-	p e ʃ t e -
[Fish]		
Latin		
French	488271461	p w a s ò
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	48-314061	p - ε h ò
Friulian		
Romanian		
[Bird]		
Latin	278026	a w e m
French		
Spanish	27190-	a b e -
Italian		
PortugueseBrazil	27187-	a v i -
Portuguese	271847-	a v i -
Catalan	278--	a w - -
Walloon		
Friulian		
Romanian		
[Bird]		
Latin	-2787-51-032321526	- a w i - k - e l l u m
French	827---49-6----	w a - - - z - o - - - -
Spanish		
Italian	--15-2046-3132326-	- - u - t ʃ - ε l l o -
PortugueseBrazil		
Portuguese		
Catalan	--15--14-0-35--	- - u - - s - e - Á - -
Walloon	--21--40-57----	- - u: - - h - ε: - - - -
Friulian	--15--461231-32--	- - u - - ʃ j ε - l - -
Romanian		
[Bird]		
Latin	48271414033026	p a s s e r e m
French		
Spanish	4827-3427286-	p a - x a r o -
Italian	482714140336-	p a s s e r o -
PortugueseBrazil	4827-14292815-	p a - s e r u -
Portuguese	4827-14292815-	p a - s e r u -
Catalan		
Walloon		
Friulian		
Romanian	4827-144280-	p a - s ə r e -

Appendix 3 - Character File

[Dog]

Latin	51-2713026	k - a n e m
French	161262---	ʃ j ē - - -
Spanish	51-2713--	k - a n - -
Italian	51-27130-	k - a n e -
PortugueseBrazil	51-63---	k - êw̃ - - -
Portuguese	51-63---	k - êw̃ - - -
Catalan	51-27---	k - a - - -
Walloon	46-64---	ʃ - ē - - -
Friulian	65-2713--	c - a n - -
Romanian	51-66130-	k - ij n e -

[Louse]

Latin	48-02315-51321514	p - e d u - k l u s
French	48-15-----	p - u - - - - -
Spanish	48126--34-6--	p j o - - x - o - -
Italian	48-72395151126-	p - i d o k k j o -
PortugueseBrazil	48-7-6-3515--	p - i - o - Á u - -
Portuguese	48-7-6-3515--	p - i - o - Á u - -
Catalan	48-6---35---	p - o - - - Á - - -
Walloon	481215-----	p j u - - - - -
Friulian	48-0236-327--	p - e d o - l i - -
Romanian	48-42315-51120-	p - ə d u - k j e -

[Snake]

Latin	14-03348-01320026	s - e r p - e n t e m
French	14-03648-43----	s - e ʁ p - ã - - - -
Spanish	14-0284812013200-	s - e r p j e n t e -
Italian	14-03348-013200-	s - e r p - e n t e -
PortugueseBrazil	14-03648-64-467-	s - e ʁ p - ê - ʃ i -
Portuguese	14-472848-64-2047-	s - i r p - ê - t i -
Catalan	14-43348-013---	s - ə r p - e n - - -
Walloon	1412313648-64----	s j e ʁ p - ê - - - -
Friulian	14-273348-71320--	s - a r p - i n t - -
Romanian	16-272848-0----	ʃ - a r p - e - - - -

[Worm]

Latin	803326026	w e r m e m
French	18036---	v e ʁ - - -
Spanish	19028260-	b e r m e -
Italian	18033260-	v e r m e -
PortugueseBrazil	18036267-	v e ʁ m i -
Portuguese	180282647-	v e r m i -
Catalan	18312826--	v e r m - -
Walloon	18123155--	v j e ʁ - -
Friulian	18123133--	v j e r - -
Romanian	1812033260	v j e r m e

[Tree]

Latin	273319633026	a r b o r e m
French	273619-36--	a ʁ b - ʁ - -
Spanish	272867632--	a r β o l - -
Italian	2732190286-	a l b e r o -
PortugueseBrazil	2736186287-	a ʁ v o r i -
Portuguese	272818152847-	a r v u r i -
Catalan	27-19-284-	a - b - r ə -

Appendix 3 - Character File

Walloon	2-19----	o: - b - - - -
Friulian	2733191532--	a r b u l - -
Romanian	2733196330-	a r b o r e -
[Forest]		
Latin	14732827	s i l w a
French		
Spanish	140321927	s e l b a
Italian	140321827	s e l v a
PortugueseBrazil	143181827	s ε w v a
Portuguese	1431681829	s ε ł v ε
Catalan	140321927	s e l b a
Walloon		
Friulian	143132180	s ε l v e
Romanian		
[Stick]		
Latin	4853321514	p a: l u s
French	482732--	p a l - -
Spanish	4827326-	p a l o -
Italian	4827326-	p a l o -
PortugueseBrazil	48278--	p a w - -
Portuguese	48278--	p a w - -
Catalan	482732--	p a l - -
Walloon		
Friulian	485332--	p a: l - -
Romanian	482728--	p a r - -
[Fruit]		
Latin	243321-51201514	f r u: - k t u s
French	2436697----	f ʁ ɥ i - - - -
Spanish	242815--206-	f r u - - t o -
Italian	243315-20206-	f r u - t t o -
PortugueseBrazil	242815--2029-	f r u - - t e -
Portuguese	242815--2029-	f r u - - t e -
Catalan	24281512-20--	f r u j - t - -
Walloon	245522-----	f ʀ y - - - - -
Friulian	243315--20--	f r u - - t - -
Romanian	243315-5120--	f r u - k t - -
[Seed]		
Latin	142526013	s e: m e n
French		
Spanish		
Italian	140260-	s e m e -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Seed]		
Latin	14026-01320714	s e m - e n t i s
French	14426-43---14	s ə m - ã - - - s
Spanish	1472612013200-	s i m j e n t e -

Appendix 3 - Character File

Italian	14026-013200-	s e m - e n t e -
PortugueseBrazil	14026-64-467-	s e m - ě - t̃ i -
Portuguese	144726-64-2047-	s i m - ě - t̃ i -
Catalan	14426-013---	s ə m - e n - - -
Walloon	14726-64-14--	s i m - ě - s - -
Friulian	14026-31134631-	s e m - ε n t̃ ε -
Romanian	14426-4713464-	s ə m - i n t̃ ə -
[Seed]		
Latin	13353131526	g r a : n u m
French	1363113--	g ʁ ε n - -
Spanish	12827136-	g r a n o -
Italian	13327136-	g r a n o -
PortugueseBrazil	12863---	g r ĩw̃ - -
Portuguese	12863---	g r ĩw̃ - -
Catalan	12827---	g r a - - -
Walloon	133713--	g r i n - -
Friulian	1332713--	g r a n - -
Romanian	13370---	g r iw̃ - -
[Leaf]		
Latin	24-632727	f - o l i a
French	24-3012--	f - œ j - -
Spanish	--634-27	- - o x - a
Italian	24-9353527	f - ɔ ʎ ʎ a
PortugueseBrazil	24-635-29	f - o ʎ - ɐ
Portuguese	24-635-29	f - o ʎ - ɐ
Catalan	24-1535-4	f - u ʎ - ə
Walloon	24-912--	f - ɔ j - -
Friulian	2480--0	f w e - - e
Romanian	2439-120-	f ɔa- j e -
[Leaf]		
Latin	243361323027	f r o n d e a
French		
Spanish		
Italian	243361371-27	f r o n d z - a
PortugueseBrazil	24286114-29-	f r õ s - ɐ -
Portuguese	24286114-29-	f r õ s - ɐ -
Catalan		
Walloon		
Friulian		
Romanian	2428151349-4	f r u n z - ə
[Root]		
Latin	-3353233751026	- r a : d i : k e m
French		
Spanish	-3327-758--	- r a - i θ - -
Italian		
PortugueseBrazil	-3627-714--	- ʁ a - i s - -
Portuguese	-3629-716--	- ʁ ɐ - i ʃ - -
Catalan	43331-32---	ə r ε - l - - -
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[Root]

Latin	33532337510	r a: d i: k e
French	3627237--	ʁ a d i - -
Spanish		
Italian	33272337460	r a d i: ʃ e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[Root]

Latin	3353233751371327	r a: d i: k i: n a
French	3627--14713-	ʁ a - - s i n -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	5531--143113-	ʁ ε - - s ε n -
Friulian		
Romanian	334234467134	r ə d ə ʃ i n ə

[BarkOfATree]

Latin	5163320751026	k o r t i k e m
French		
Spanish		
Italian	51633207460-	k o r t i ʃ e -
PortugueseBrazil	51936467147-	k ɔ ʁ ʃ i s i -
Portuguese	519282071447-	k ɔ r t i s i -
Catalan		
Walloon		
Friulian		
Romanian		

[BarkOfATree]

Latin	5163320751027	k o r t i k e a
French		
Spanish	5162820058-27	k o r t e θ - a
Italian	51633200204627	k o r t e t ʃ a
PortugueseBrazil	516364671429-	k o ʁ ʃ i s e -
Portuguese	5115282071429-	k u r t i s e -
Catalan		
Walloon		
Friulian		
Romanian		

[BarkOfATree]

Latin	-1451-63320027	- s k - o r t e a
French	0-51-63614--	e - k - o ʁ s - -
Spanish		
Italian	-1451-93352-27	- s k - ɔ r t s - a
PortugueseBrazil		
Portuguese		
Catalan	41451-93314-4	ə s k - ɔ r s - ə

Appendix 3 - Character File

Walloon	-145182714---	- s k w a s - - -
Friulian	-14518273352-0	- s k w a r t s - e
Romanian	-1451-392852-4	- s k - q a r t s - ə

[Flower]

Latin	2432233026	f l o: r e m
French	24323036--	f l œ ʁ - -
Spanish	2432628--	f l o r - -
Italian	24122280-	f j o: r e -
PortugueseBrazil	2432636--	f l o ʁ - -
Portuguese	2432628--	f l o r - -
Catalan	24329---	f l ə - - -
Walloon	24327236--	f l ø: ʁ - -
Friulian	2432233--	f l o: r - -
Romanian	243239280-	f l q a r e -

[Grass]

Latin	-400331927	- h e r b a
French	--313619-	- - ε ʁ b -
Spanish	5-0281927	j - e r b a
Italian	--31331927	- - ε r b a
PortugueseBrazil	--0361829	- - e ʁ v ɐ
Portuguese	--31281829	- - ε r v ɐ
Catalan	--033194	- - e r b ə
Walloon	12-31-48-	j - ε - p -
Friulian	12-2733190	j - a r b e
Romanian	12-2728194	j - a r b ə

[Grass]

Latin	1335326013	g r a: m e n
French	13627263113	g ʁ a m ε n
Spanish	128272627-	g r a m a -
Italian		
PortugueseBrazil	128452629-	g r ẽ m ɐ -
Portuguese	128292629-	g r ɐ m ɐ -
Catalan	1282726--	g r a m - -
Walloon		
Friulian		
Romanian		

[Rope]

Latin	242113-026	f u: n - e m
French		
Spanish		
Italian	241513-0-	f u n - e -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	241513120-	f u n j e -

[Rope]

Latin	3301420026	r e s t e m
French		
Spanish	287142027-	r i s t a -

Appendix 3 - Character File

Italian	3331142027-	r e s t a -
PortugueseBrazil	363116467-	ʁ e ʃ tʃ i -
Portuguese	360162047-	ʁ e ʃ t i -
Catalan		
Walloon		
Friulian		
Romanian		
[Skin]		
Latin		
French	51827---13-	k w a - - - n -
Spanish		
Italian	51-6200131327	k - o t e n n a
PortugueseBrazil	51-6107--29	k - o dʒ i - - ɐ
Portuguese	51-6237--29	k - o d i - - ɐ
Catalan	51-6--13134	k - o - - n n ə
Walloon		
Friulian		
Romanian		
[Skin]		
Latin	48-03232026	p - e l l e m
French	48-6----	p - o - - -
Spanish	4812032---	p j e l - - -
Italian	48-032320-	p - e l l e -
PortugueseBrazil	48-31-327-	p - ɛ - l i -
Portuguese	48-0-3247-	p - e - l i -
Catalan	48-0-35--	p - e - ʎ - -
Walloon	481227----	p j a - - - -
Friulian	48123132---	p j ɛ l - - -
Romanian	48120-320-	p j e - l e -
[Meat]		
Latin	51273313026	k a r n e m
French	163136---	ʃ ɛ ʁ - - -
Spanish	512728130-	k a r n e -
Italian	512733130-	k a r n e -
PortugueseBrazil	512736137-	k a ʁ n i -
Portuguese	5127281347-	k a r n i -
Catalan	51273313--	k a r n - -
Walloon	4673----	tʃ ɔ: - - - -
Friulian	655333---	c a: r - - -
Romanian	512728130-	k a r n e -
[Meat]		
Latin	8378-0132327	w i: w - e n d a
French	1812--43-23-	v j - - ã - d -
Spanish	19719120132327	b i b j e n d a
Italian	18718-27132327	v i v - a n d a
PortugueseBrazil	18718-64-2327	v i v - ẽ - d a
Portuguese	18718-64-2329	v i v - ẽ - d ɐ
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[Blood]

Latin	14271374-713026	s a n g ^w - i n e m
French	1443-----	s ã - - - - -
Spanish	1427751-280--	s a ŋ g - r e - -
Italian	142713180---	s a n g w e - - -
PortugueseBrazil	1445-1-7---	s ã - g - i - - -
Portuguese	1445-1-47---	s ã - g - i - - -
Catalan	142775-----	s a ŋ - - - - -
Walloon	1476-1-----	s ô - g - - - - -
Friulian	14277551-----	s a ŋ k - - - - -
Romanian	14471310-0---	s i n ð g - e - - -

[Bone]

Latin	--614141526	- - o s s u m
French	--9-14--	- - ç - s - -
Spanish	-80146--	- w e s o - -
Italian	--914146-	- - ç s s o -
PortugueseBrazil	--6-1415-	- - o - s u -
Portuguese	--6-1415-	- - o - s u -
Catalan	--9-14--	- - ç - s - -
Walloon	--9-16--	- - ç - f - -
Friulian	18831-14--	v w ε - s - -
Romanian	--6-14--	- - o - s - -

[FatNoun]

Latin	2723048026	a d e p e m
French		
Spanish		
Italian	27237480-	a d i p e -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[FatNoun]

Latin		
French	1363114-	g æ ε s -
Spanish	128271427	g r a s a
Italian		
PortugueseBrazil	128271629	g r a f ε
Portuguese	128271629	g r a f ε
Catalan	128016-	g r e f -
Walloon	51557377-	k r ɔ : ç -
Friulian		
Romanian		

[Egg]

Latin	-281526	- o : w u m
French	-3024--	- œ f - -
Spanish	80196-	w e b o -
Italian	89186-	w ɔ v o -
PortugueseBrazil	-61815-	- o v u -
Portuguese	-61815-	- o v u -
Catalan	-98--	- ç w - -

Appendix 3 - Character File

Walloon	-21---	- u: - - -
Friulian	-2124--	- u: f - - -
Romanian	-68--	- o w - - -
[Horn]		
Latin	51-6331321	k - o r n u:
French	51-93613-	k - ɔ ʁ n -
Spanish	518028136	k w e r n o
Italian	51-933136	k - ɔ r n o
PortugueseBrazil	51-6361315	k - o ʁ n u
Portuguese	51-6281315	k - o r n u
Catalan	51-93313-	k - ɔ r n -
Walloon	51831-13-	k w ε - n -
Friulian	5185333--	k w a: r - -
Romanian	51-63313-	k - o r n -
[Tail]		
Latin	51782327-	k aʊd a -
French	5179---	k ø - - -
Spanish	5163227-	k o l a -
Italian	5162327-	k o d a -
PortugueseBrazil	512782329	k a w d ε
Portuguese	512782329	k a w d ε
Catalan	5115-27-	k u - a -
Walloon	5198--	k ɔ w - -
Friulian	5192331-	k ɔ d ε -
Romanian	6539234-	c ɔad ə -
[Feather]		
Latin	4832212627	p l u: m a
French	48322226-	p l y m -
Spanish	4832152627	p l u m a
Italian	4812152627	p j u m a
PortugueseBrazil		
Portuguese		
Catalan	48326264	p l o m ə
Walloon	4832926-	p l ɔ m -
Friulian	4832152631	p l u m ε
Romanian		
[Feather]		
Latin	480131327	p e n n a
French	4831-13-	p ε - n -
Spanish	480-3827	p e - ɲ a
Italian	480131327	p e n n a
PortugueseBrazil	480-1329	p e - n ε
Portuguese	480-1329	p e - n ε
Catalan	4831-384	p ε - ɲ ə
Walloon	480-13-	p e - n -
Friulian	4831-130	p ε - n e
Romanian	4827-134	p a - n ə
[Hair]		
Latin	48-7321514	p - i l u s
French	4882732--	p w a l - -
Spanish	48-0326-	p - e l o -

Appendix 3 - Character File

Italian	48-0326-	p - e l o -
PortugueseBrazil	48-03215-	p - e l u -
Portuguese	48-473215-	p - i l u -
Catalan	48-3132--	p - ε l - -
Walloon		
Friulian	48-2532--	p - e: l - -
Romanian	48-428--	p - ə r - -
[Hair]		
Latin	512748732321514	k a p i l l u s
French	1641879----	ʃ ə v ø - - - -
Spanish	5127190-56-	k a b e - j o -
Italian	512748032326-	k a p e l l o -
PortugueseBrazil	5127190-3215-	k a b e - l u -
Portuguese	5129670-3215-	k ɐ β e - l u -
Catalan	5141931-35--	k ə b ε - ʎ - -
Walloon	4671812--27-	ʃ i v j - - a -
Friulian	65271859----	c a v ej - - - -
Romanian		
[Head]		
Latin	5127487-20727	k a p i - t i a
French	1641831----	ʃ ə v ε - - - -
Spanish	5127670-58-27	k a β e - θ - a
Italian	512718020201427	k a v e t t s a
PortugueseBrazil	5127190-14-29	k a b e - s - ɐ
Portuguese	5129670-14-29	k ɐ β e - s - ɐ
Catalan	512748-----	k a p - - - - -
Walloon		
Friulian	655324-----	c a: f - - - - -
Romanian	512748-----	k a p - - - - -
[Head]		
Latin	200142027	t e s t a
French	2031-20-	t ε - t -
Spanish		
Italian	2031142027	t ε s t a
PortugueseBrazil	2031142029	t ε s t ɐ
Portuguese	2031162029	t ε ʃ t ɐ
Catalan	20014204	t e s t ə
Walloon	463114--	ʃ ε s - -
Friulian	203114200	t ε s t e
Romanian	528014204	ts ɛ a s t ə
[Ear]		
Latin	2337513227-	o: r i k l a -
French	63659----	o ʁ ej - - - -
Spanish	6280-34-27	o r e - x - a
Italian	633051511227	o r e k k j a
PortugueseBrazil	6280--3529	o r e - - ʎ ɐ
Portuguese	62860--3529	o r ɐ j - - ʎ ɐ
Catalan	152831--354	u r ε - - ʎ ə
Walloon	95556----	ɔ ʀ aj - - - -
Friulian	6330--320	o r e - - l e
Romanian	15330-51-0	u r e - k - e

Appendix 3 - Character File

[Eye]

Latin	-6-5115321514	- o - k u l u s
French	-30-12----	- æ - j - - - -
Spanish	-6-34-6--	- o - x - o - -
Italian	-95151-126-	- ɔ k k - j o -
PortugueseBrazil	-6---3515-	- o - - - ʎ u -
Portuguese	-6---3515-	- o - - - ʎ u -
Catalan		
Walloon	-21-12----	- u: - j - - - -
Friulian	186--327--	v o - - l i - -
Romanian	-6-81----	- o - k ⁱ - - - -

[Nose]

Latin	1353141514	n a: s u s
French	130---	n e - - -
Spanish	1327146-	n a s o -
Italian	1353146-	n a: s o -
PortugueseBrazil		
Portuguese		
Catalan	132714--	n a s - -
Walloon	130---	n e - - -
Friulian	135314--	n a: s - -
Romanian	132714--	n a s - -

[Nose]

Latin		
French		
Spanish	132728758-	n a r i θ -
Italian	1327337460	n a r i ʎ e
PortugueseBrazil	132728714-	n a r i s -
Portuguese	132928716-	n ɐ r i ʃ -
Catalan	1353331114-	n a: r i s -
Walloon		
Friulian		
Romanian		

[Mouth]

Latin	1915515127	b u k k a
French	1915-16-	b u - ʃ -
Spanish	196-5127	b o - k a
Italian	196515127	b o k k a
PortugueseBrazil	196-5129	b o - k ɐ
Portuguese	196-5129	b o - k ɐ
Catalan	196-514	b o - k ə
Walloon	19951--	b ɔ k - -
Friulian	199-6531	b ɔ - c ɛ
Romanian	1915-514	b u - k ə

[Mouth]

Latin	1153227	g u l a
French	13032-	g œ l -
Spanish	163227	g o l a
Italian	163227	g o l a
PortugueseBrazil		
Portuguese		
Catalan	16324	g o l ə

Appendix 3 - Character File

Walloon	17212-	g ø: j -
Friulian	19320	g ɔ l e
Romanian	115284	g u r ə
[Tooth]		
Latin	23-01320026	d - e n t e m
French	23-43----	d - ã - - - -
Spanish	2312013200-	d j e n t e -
Italian	233113200--	d ε n t e - -
PortugueseBrazil	2364-467--	d ã - ʃ i - -
Portuguese	2364-2047--	d ã - t i - -
Catalan		
Walloon	2364-----	d ã - - - - -
Friulian	2371320---	d i n t - - -
Romanian	23713200--	d i n t e - -
[Fingernail]		
Latin	15131-153227	u n g - u l a
French	61-1--32-	õ - g - - l -
Spanish	1538----27	u ɲ - - - - a
Italian	1513112--27	u n g j - - a
PortugueseBrazil	1538----29	u ɲ - - - - ɐ
Portuguese	1538----29	u ɲ - - - - ɐ
Catalan		
Walloon	61-1----	õ - g - - - -
Friulian	9751-153231	ɔ ŋ g - u l ε
Romanian	1513112--0	u n g j - - e
[Foot]		
Latin	48-0-23026	p - e - d e m
French	48120----	p j e - - - -
Spanish	48120----	p j e - - - -
Italian	481257-230-	p j ε: - d e -
PortugueseBrazil	48-31----	p - ε - - - -
Portuguese	48-31----	p - ε - - - -
Catalan	48-318---	p - ε w - - -
Walloon	48-37----	p - i: - - - -
Friulian	48-37-20--	p - i: - t - -
Romanian	487049---	p i e z - - -
[Leg]		
Latin	127261927	g a m b a
French	343-19-	ʒ ã - b -
Spanish	127261927	g a m b a
Italian	127261927	g a m b a
PortugueseBrazil		
Portuguese		
Catalan	512726194	k a m b ə
Walloon	1082-48-	ɕ ã - p -
Friulian	832726190	ʃ a m b e
Romanian	12726194	g a m b ə
[Leg]		
Latin	480331327-	p e r n a -
French		
Spanish	48120281327	p j e r n a

Appendix 3 - Character File

Italian	483133136-	p ε r n o -
PortugueseBrazil	4831361329-	p ε ʁ n ɐ -
Portuguese	4831281329-	p ε r n ɐ -
Catalan	483133134-	p ε r n ə -
Walloon		
Friulian		
Romanian	12726194-	g a m b ə -
[Leg]		
Latin	480-2076321514	p e - t i o l u s
French		
Spanish	480-5876326-	p e - θ i o l o -
Italian	4872046-9326-	p i t ʃ - ɔ l o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	483151632----	p ε k o l - - - -
Romanian	487-4612633--	p i - ʃ j o r - -
[Knee]		
Latin	1-0137-5115321526	g - e n i - k u l u m
French	3-41315-----	ʒ - ə n u - - - - -
Spanish	--7136-346---	- - i n o - x o - - -
Italian	10-7139515112-6-	ɕ - i n ɔ k k j - o -
PortugueseBrazil	3150-----3515-	ʒ u e - - - - - ʎ u -
Portuguese	3829-----3515-	ʒ w ɐ - - - - - ʎ u -
Catalan	3-4136---35--	ʒ - ə n o - - - ʎ - -
Walloon	10-7139-----	ɕ - i n ɔ - - - - -
Friulian	10-0136---327-	ɕ - e n o - - - l i -
Romanian	10-013151381----	ɕ - e n u n k l - - - -
[Hand]		
Latin	2627131526	m a n u m
French	2664---	m ɛ - - -
Spanish	2627136-	m a n o -
Italian	2653136-	m a : n o -
PortugueseBrazil	2663---	m ẽw̃ - - -
Portuguese	2663---	m ẽw̃ - - -
Catalan		
Walloon	2664---	m ɛ - - -
Friulian	262775--	m a ŋ - -
Romanian	2647134-	m i n ə -
[Wing]		
Latin	533227	a : l a
French	032-	e l -
Spanish	273227	a l a
Italian	273227	a l a
PortugueseBrazil	27--	a - -
Portuguese	27--	a - -
Catalan	27324	a l ə
Walloon	032-	e l -
Friulian	27320	a l e
Romanian		

Appendix 3 - Character File

[Belly]

Latin	8-0132033026	w - e n t r e m
French	18-43-2036--	v - ã - t æ - -
Spanish	191201320280-	b j e n t r e -
Italian		
PortugueseBrazil		
Portuguese		
Catalan	19-01320284-	b - e n t r ə -
Walloon	18-62-20---	v - ê - t - - -
Friulian	1871320337--	v i n t r i - -
Romanian	1871320330--	v i n t r e - -

[Belly]

Latin	48271320751026	p a n t i k e m
French	4843-14----	p ã - s - - - -
Spanish	48271358---27	p a n θ - - - a
Italian	48271346--27-	p a n tʃ - - a -
PortugueseBrazil	4845-14--29-	p ê - s - - e -
Portuguese	4845-14--29-	p ê - s - - e -
Catalan	48273816--4-	p a n ʃ - - ə -
Walloon	4882-14----	p ã - s - - - -
Friulian	48271352--0-	p a n t s - - e -
Romanian	484713200460-	p i n t e tʃ e -

[Guts]

Latin	713200335313027	i n t e r a n e a
French	43-20-3627--12	ã - t - æ a - - j
Spanish	01320-282738-27	e n t - r a ɲ - a
Italian		
PortugueseBrazil	44-20-284538-29	ĩ - t - r ê ɲ - ɐ
Portuguese	64-20-282938-29	ẽ - t - r ɐ ɲ - ɐ
Catalan	41320-282738-4	ə n t - r a ɲ - ə
Walloon		
Friulian		
Romanian		

[Neck]

Latin	51-632321526	k - o l l u m
French	51-15----	k - u - - - -
Spanish	5180-56-	k w e - j o -
Italian	51-632326-	k - o l l o -
PortugueseBrazil	51-9-3215-	k - ɔ - l u -
Portuguese	51-9-3215-	k - ɔ - l u -
Catalan	51-9-35--	k - ɔ - ʎ - -
Walloon		
Friulian	51831-32--	k w ɛ - l - -
Romanian		

[Back]

Latin	23-633141526	d - o r s u m
French	23-6----	d - o - - - -
Spanish		
Italian	23-914146-	d - ɔ s s o -
PortugueseBrazil		
Portuguese		
Catalan	23-6-14--	d - o - s - -

Appendix 3 - Character File

Walloon	23-9----	d - ɔ - - - -
Friulian	2380-14--	d w e - s - -
Romanian	23-6----	d - o - - - -
[Back]		
Latin	-14482720153227	- s p a t u l a
French	0-486--32-	e - p o - - l -
Spanish	014482732-2327	e s p a l - d a
Italian	-14482732-3227	- s p a l - l a
PortugueseBrazil	716482723-829	i ʃ p a d - w ɐ
Portuguese	716482723-829	i ʃ p a d - w ɐ
Catalan	414482735-354	ə s p a ʎ - ʎ ə
Walloon	-144827--32-	- s p a - - l -
Friulian	-144827--3231	- s p a - - l ɛ
Romanian	-14482720--0	- s p a t - - e
[Breast]		
Latin	147131514	s i n u s
French	1464---	s ẽ - - -
Spanish	140136-	s e n o -
Italian	140136-	s e n o -
PortugueseBrazil	1459-15-	s ej - u -
Portuguese	1460-15-	s ɐj - u -
Catalan	147---	s i - - -
Walloon		
Friulian	14013--	s e n - -
Romanian	142713--	s a n - -
[Breast]		
Latin	48-051201514	p - e k t u s
French	48-7----	p - i - - - -
Spanish	48-0-466-	p - e - ʎ o -
Italian	48-3120206-	p - ɛ t t o -
PortugueseBrazil	48-59-2015-	p - ej - t u -
Portuguese	48-60-2015-	p - ɐj - t u -
Catalan	48-7-20--	p - i - t - -
Walloon		
Friulian	48-31-20--	p - ɛ - t - -
Romanian	481204820--	p j e p t - -
[Heart]		
Latin	51-633-	k - o r -
French	51-3036-	k - œ ʁ -
Spanish		
Italian	5189330	k w ɔ r e
PortugueseBrazil	51-936-	k - ɔ ʁ -
Portuguese	51-628-	k - o r -
Catalan	51-933-	k - ɔ r -
Walloon	51-2136-	k - u: ʁ -
Friulian	51-2133-	k - u: r -
Romanian		
[Heart]		
Latin	271372627	a n i m a
French	84--26-	a - - m -
Spanish	2732-2627	a l - m a

Appendix 3 - Character File

Italian	2732-2627	a l - m a
PortugueseBrazil	278-2629	a w - m e
Portuguese	2732-2629	a l - m e
Catalan		
Walloon	73--26-	ɔ: - - m -
Friulian	27137260	a n i m e
Romanian	7137264	i n i m ə
[Liver]		
Latin	24-375153201526	f - i: k a: t u m
French	24884-----	f w a - - - -
Spanish	--78527506-	- - i y a ð o -
Italian	24-0127206-	f - e g a t o -
PortugueseBrazil	24-71292315-	f - i g e d u -
Portuguese	24-785295015-	f - i y e ð u -
Catalan	24-0104---	f - e dʒ ə - - -
Walloon	24-72--20--	f - ø: - - t - -
Friulian	24-7125320--	f - i j a: t - -
Romanian	24-7512720--	f - i k a t - -
[Sun]		
Latin	14232026	s o: l e m
French		
Spanish	14632--	s o l - -
Italian	146320-	s o l e -
PortugueseBrazil	1498--	s ɔ w - -
Portuguese	14968--	s ɔ ł - -
Catalan	14932--	s ɔ l - -
Walloon	149329-	s ɔ l ɔ -
Friulian		
Romanian	1439280-	s ɔ a r e -
[Sun]		
Latin	1463275115321514	s o l i k u l u s
French	1493286-----	s ɔ l ɛ j - - - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	146330--327-	s o r e - - l i -
Romanian		
[Moon]		
Latin	32211327	l u: n a
French	322213-	l y n -
Spanish	32151327	l u n a
Italian	32151327	l u n a
PortugueseBrazil	3215-29	l u - e
Portuguese	3215-29	l u - e
Catalan	3515134	ʎ u n ə
Walloon	327913-	l ø n -
Friulian	3215130	l u n e
Romanian	3215134	l u n ə

Appendix 3 - Character File

[Star]

Latin	-1420-25323227	- s t - e: l l a
French	0-20827-32-	e - t w a - l -
Spanish	01420280-527	e s t r e - j a
Italian	-1420-0323227	- s t - e l l a
PortugueseBrazil	71420280-3229	i s t r e - l e
Portuguese	471620280-3229	i f t r e - l e
Catalan	41420-31-32-	ə s t - ε - l -
Walloon	-1420-72-32-	- s t - ø: - l -
Friulian	-1420-31-320	- s t - ε - l e
Romanian	-1420-80---	- s t - ę a - - -

[Water]

Latin	27-87-27	a - k ^w - a
French	6----	o - - - -
Spanish	27-85827	a - y w a
Italian	275151827	a k k w a
PortugueseBrazil	27-1829	a - g w e
Portuguese	27-1829	a - g w e
Catalan	56-8584	aj - y w ə
Walloon	57--8-	ε: - - w -
Friulian	27-1-0	a - g - e
Romanian	27-48-4	a - p - ə

[Rain]

Latin	483215-8727	p l u - w i a
French	483269--7-	p l y - - i -
Spanish	5-15-191227	j - u - b j a
Italian	481262310-27	p j o d dʒ - a
PortugueseBrazil	16-15-18-29	f - u - v - e
Portuguese	16-15-18-29	f - u - v - e
Catalan	483215-3-4	p l u - ʒ - ə
Walloon	483221-36--	p l u: - ɣ - -
Friulian	48326--120	p l o - - j e
Romanian	483239--120	p l ɔa - - j e

[River]

Latin	24322126013	f l u: m e n
French		
Spanish		
Italian	241215260-	f j u m e -
PortugueseBrazil	243215267-	f l u m i -
Portuguese	2432152647-	f l u m i -
Catalan		
Walloon		
Friulian	24321526--	f l u m - -
Romanian		

[River]

Latin	333781514	r i: w u s
French	3622---	ɣ y - - -
Spanish	337-6-	r i - o -
Italian	337-6-	r i - o -
PortugueseBrazil	367-8-	ɣ i - w -
Portuguese	367-15-	ɣ i - u -
Catalan	337-8-	r i - w -

Appendix 3 - Character File

Walloon		
Friulian		
Romanian	3347-8-	r i - w -
[River]		
Latin	333748-5333727	r i : p - a : r i a
French	3671812036--	ʁ i v j e ʁ - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	3371837-36--	r i v i : - ʁ - -
Friulian		
Romanian		
[Lake]		
Latin	3227511526	l a k u m
French	322751--	l a k - -
Spanish	322716-	l a g o -
Italian	322716-	l a g o -
PortugueseBrazil	3227115-	l a g u -
Portuguese	32278515-	l a y u -
Catalan	352751--	l a k - -
Walloon	322751--	l a k - -
Friulian	325320--	l a : t - -
Romanian	322751--	l a k - -
[Sea]		
Latin	2627330	m a r e
French	263136-	m ε ʁ -
Spanish	262728-	m a r -
Italian	2627330	m a r e
PortugueseBrazil	262736-	m a ʁ -
Portuguese	262728-	m a r -
Catalan	262733-	m a r -
Walloon	26036-	m e ʁ -
Friulian	265333-	m a : r -
Romanian	2627330	m a r e
[Salt]		
Latin	145332026	s a : l e m
French	143132--	s ε l - -
Spanish	142732--	s a l - -
Italian	1427320-	s a l e -
PortugueseBrazil	14278--	s a w - -
Portuguese	142732--	s a l - -
Catalan	142732--	s a l - -
Walloon	140--	s e - - -
Friulian	145332--	s a : l - -
Romanian	1427330-	s a r e -
[Stone]		
Latin	142751141526	s a k s u m
French		
Spanish		

Appendix 3 - Character File

Italian	142714146-	s a s s o -
PortugueseBrazil	1459-1615-	s ej - f u -
Portuguese	1460-1615-	s øj - f u -
Catalan		
Walloon		
Friulian		
Romanian		
[Stone]		
Latin	48-0203327	p - e t r a
French	48120-36-	p j e - x -
Spanish	48120502827	p j e ð r a
Italian	481225203327	p j e: t r a
PortugueseBrazil	48-0232829	p - e d r ø
Portuguese	48-31502829	p - ε ð r ø
Catalan	48-050284	p - e ð r ə
Walloon	48-37-36-	p - i: - x -
Friulian	481225-330	p j e: - r e
Romanian	48122720284	p j a t r ə
[Stone]		
Latin	322748723026	l a p i d e m
French		
Spanish	322715-230-	l a u - d e -
Italian	3227487230-	l a p i d e -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Sand]		
Latin	402733251384	h a r e: n a
French		
Spanish	-272801327	- a r e n a
Italian		
PortugueseBrazil	-272859-29	- a r ej - ø
Portuguese	-292860-29	- ø r ej - ø
Catalan	-4280134	- ə r e n ə
Walloon		
Friulian		
Romanian	-27337134	- a r i n ə
[Sand]		
Latin	14271915321526	s a b u l u m
French	142719-32--	s a b - l - -
Spanish		
Italian		
PortugueseBrazil	145667-2815-	s aj β - r u -
Portuguese	145667-2815-	s aj β - r u -
Catalan	146334---	s o r ə - - -
Walloon	142181261--	s o: v j ð - -
Friulian	1427182732913	s a v a l ɔ n
Romanian		

Appendix 3 - Character File

[Sand]

Latin	1427-19153227	s a - b u l a
French		
Spanish		
Italian	14271919-1227	s a b b - j a
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[Dust]

Latin	4815328033026	p u l w e r e m
French	48152336----	p u d æ - - - -
Spanish		
Italian	48632180330-	p o l v e r e -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	48932182733--	p ɔ l v a r - -
Romanian	481532190330-	p u l b e r e -

[Dust]

Latin	48153281514	p u l w u s
French		
Spanish	48632196-	p o l b o -
Italian		
PortugueseBrazil	489----	p ɔ - - - -
Portuguese	489----	p ɔ - - - -
Catalan	4863214--	p o l s - -
Walloon		
Friulian		
Romanian		

[Earth]

Latin	20-0333327	t - e r r a
French	20-0-36-	t - e - æ -
Spanish	20120-3327	t j e - r a
Italian	20-31333327	t - ε r r a
PortugueseBrazil	20-0-3629	t - e - æ ɐ
Portuguese	20-31-3629	t - ε - æ ɐ
Catalan	20-31-334	t - ε - r ə
Walloon	20-57-36-	t - ε: - æ -
Friulian	201231-330	t j ε - r e
Romanian	52-27-334	ts - a - r ə

[Cloud]

Latin	1321192514	n u: b e: s
French	1322---	n y - - -
Spanish	1315190-	n u b e -
Italian	1315190-	n u b e -
PortugueseBrazil	13151841-	n u v êĩ -
Portuguese	13151854-	n u v ẽĩ -
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[Cloud]

Latin	1321197321514	n u: b i l u s
French		
Spanish	131519-326-	n u b - l o -
Italian	13151863227-	n u v o l a -
PortugueseBrazil	13151932272315	n u b l a d u
Portuguese	13151932272315	n u b l a d u
Catalan	1315671568--	n u ß u ł - -
Walloon		
Friulian	1321--32--	n u: - - l - -
Romanian	136--33--	n o - - r - -

[Fog]

Latin	515332371713026	k a: l i: g i n e m
French		
Spanish	5127327--1327-	k a l i - - n a -
Italian	5127327107130-	k a l i ɖ i n e -
PortugueseBrazil	5127327341---	k a l i ʒ ã - - -
Portuguese	5129327354---	k ɐ l i ʒ ẽ - - -
Catalan		
Walloon		
Friulian		
Romanian		

[Fog]

Latin	13-0-19153227	n - e - b u l a
French	13129---3222	n j ɔ - - - l y
Spanish	13120-19-3227	n j e - b - l a
Italian	13-01919-1227	n - e b b - j a
PortugueseBrazil	13-31-188-29	n - ɛ - v w - ɐ
Portuguese	13-31-188-29	n - ɛ - v w - ɐ
Catalan	13-0--8324	n - e - - w l ə
Walloon		
Friulian		
Romanian	130115334--	n e g u r ə - -

[Fog]

Latin	2001325193356	t e n e: b r a j
French		
Spanish		
Italian	205713019330	t ɛ: n e b r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[Fog]

Latin	20-013-2519335314	t - e n - e: b r a: s
French	20-013-311936--	t - e n - ɛ b ʁ - -
Spanish	20-71312019322714	t - i n j e b l a s

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Italian	20-5713-019330-	t - ε: n - e b r e -
PortugueseBrazil	2028---3118-2914	t r - - - ε v - ɐ s
Portuguese	2028---3118-2916	t r - - - ε v - ɐ f
Catalan	20-413-01928414	t - ə n - e b r ə s
Walloon		
Friulian		
Romanian		
[Fog]		
Latin	242126532027	f u: m a: t a
French	2422260--	f y m e - -
Spanish	241526272027	f u m a t a
Italian	241526532027	f u m a: t a
PortugueseBrazil	241526271429	f u m a s ɐ
Portuguese	241526271429	f u m a s ɐ
Catalan		
Walloon		
Friulian	24152627200	f u m a t e
Romanian		
[Fog]		
Latin	515651727	k a j k i a
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	468046-4	tʃ ɛ a tʃ - ə
[Sky]		
Latin	51-56321526	k - a j l u m
French	14123132--	s j ε l - -
Spanish	58120326-	θ j e l o -
Italian	46-31326-	tʃ - ε l o -
PortugueseBrazil	14-318--	s - ε w - -
Portuguese	14-318--	s - ε w - -
Catalan	14-3132--	s - ε l - -
Walloon	14-3736--	s - i: ʁ - -
Friulian	46-3732--	tʃ - i: l - -
Romanian	46-028--	tʃ - e r - -
[Wind]		
Latin	8-013201526	w - e n t u m
French	18-43----	v - ã - - - -
Spanish	1912013206-	b j e n t o -
Italian	18-3113206-	v - ε n t o -
PortugueseBrazil	18-64-2015-	v - ě - t u -
Portuguese	18-64-2015-	v - ě - t u -
Catalan	19-013---	b - e n - - -
Walloon	18-64----	v - ě - - - -
Friulian	18-71320--	v - i n t - -
Romanian	18-471320--	v - i n t - -

Appendix 3 - Character File

[Snow]		
Latin	13-78026	n - i w e m
French		
Spanish	13120190-	n j e b e -
Italian	13-0180-	n - e v e -
PortugueseBrazil	13-31187-	n - ε v i -
Portuguese	13-311847-	n - ε v i -
Catalan	13-08--	n - e w - -
Walloon	133724---	n i: f - - -
Friulian	13-2524--	n - e: f - -
Romanian	13-80---	n - ɛa - - -
[Ice]		
Latin	103221	g e l u:
French	33132-	ʒ ε l -
Spanish	50326	j e l o
Italian	1031326	ɕ ε l o
PortugueseBrazil		
Portuguese		
Catalan	33168-	ʒ ε ʔ -
Walloon		
Friulian		
Romanian	10033-	ɕ e r -
[Ice]		
Latin		
French	13227-14-	g l a - s -
Spanish		
Italian	11227204627	g j a t ʃ a
PortugueseBrazil		
Portuguese		
Catalan	13227-14-	g l a - s -
Walloon	13231-14-	g l ε - s -
Friulian	13227-460	g l a - ʃ e
Romanian	1-80-524	g - ɛa- ʦ ə
[Smoke]		
Latin	2421261514	f u: m u s
French		
Spanish	-15266-	- u m o -
Italian	2415266-	f u m o -
PortugueseBrazil	24152615-	f u m u -
Portuguese	24152615-	f u m u -
Catalan	241526--	f u m - -
Walloon		
Friulian	241526--	f u m - -
Romanian	241526--	f u m - -
[Fire]		
Latin	24-6511526	f - o k u m
French	24-79---	f - ø - - -
Spanish	248016-	f w e g o -
Italian	2489516-	f w ɔ k o -
PortugueseBrazil	24-6115-	f - o g u -
Portuguese	24-68515-	f - o y u -
Catalan	24-951--	f - ɔ k - -

Appendix 3 - Character File

Walloon	24-72---	f - ø: - - -
Friulian	24-2151--	f - u: k - -
Romanian	24-651--	f - o k - -
[Ash]		
Latin	517130-33026	k i n e - r e m
French	1443--2336--	s ā - - d ʁ - -
Spanish		
Italian	460130-330-	ʃ e n e - r e -
PortugueseBrazil		
Portuguese		
Catalan	143113-23334-	s ε n - d r ə -
Walloon	1488--23---	s ē: - - d - - -
Friulian		
Romanian		
[Ash]		
Latin		
French		
Spanish	5801375827-	θ e n i θ a -
Italian		
PortugueseBrazil	1444--492916	s ĩ - - z ɐ ʃ
Portuguese	1444--492916	s ĩ - - z ɐ ʃ
Catalan		
Walloon		
Friulian	4671374931-	ʃ i n i z ε -
Romanian	4601315164-	ʃ e n u ʃ ə -
[Road]		
Latin	8727	w i a
French	18827	v w a
Spanish	19727	b i a
Italian	18727	v i a
PortugueseBrazil	18729	v i ɐ
Portuguese	18729	v i ɐ
Catalan	1974	b i ə
Walloon		
Friulian		
Romanian		
[Road]		
Latin	-142033532027	- s t r a: t a
French		
Spanish	0142028272327	e s t r a d a
Italian	-142033272327	- s t r a d a
PortugueseBrazil	7142028272329	i s t r a d ɐ
Portuguese	7162028275029	i ʃ t r a ð ɐ
Catalan		
Walloon		
Friulian		
Romanian		
[Road]		
Latin	5127262637131526	k a m m i: n u m
French	164-2662---	ʃ ə - m ě - - -
Spanish	5127-267136-	k a - m i n o -

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Italian	512726267136-	k a m m i n o -
PortugueseBrazil	5127-26443815-	k a - m i j u -
Portuguese	5129-2673815-	k e - m i j u -
Catalan	514-267---	k ə - m i - - -
Walloon		
Friulian		
Romanian		

[Mountain]

Latin	2661320026	m o n t e m
French	2642---	m ɔ̃ - - - -
Spanish	26613200-	m o n t e -
Italian	26613200-	m o n t e -
PortugueseBrazil	2661-467-	m õ - t f i -
Portuguese	2661-2047-	m õ - t i -
Catalan	261513---	m u n - - -
Walloon		
Friulian	2691320--	m ɔ̃ n t - -
Romanian	2615132031-	m u n t ɛ -

[Mountain]

Latin	266132053-13027	m o n t a : - n e a
French	2661-2027-38--	m õ - t a - j - -
Spanish	266132027-38-27	m o n t a - j - a
Italian	2661320273838-27	m o n t a j j - a
PortugueseBrazil	2661-2045-38-29	m õ - t ẽ - j - e
Portuguese	2661-2029-38-29	m õ - t e - j - e
Catalan	2615132027-38-4	m u n t a - j - ə
Walloon	2661-2027-38--	m õ - t a - j - -
Friulian	269132027-380-	m ɔ̃ n t a - j e -
Romanian		

[Night]

Latin	13-66520026	n - o c t e m
French	13697----	n ɥ i - - - -
Spanish	13-6-460-	n - o - t f e -
Italian	13-920200-	n - ɔ̃ t t e -
PortugueseBrazil	13-172047--	n - o j t i - -
Portuguese	13-172047--	n - o j t i - -
Catalan	13-7-20--	n - i - t - -
Walloon	13-22-20--	n - y - t - -
Friulian	38-9-20--	j - ɔ̃ - t - -
Romanian	13-3948200-	n - ɔ̃ a p t e -

[Day]

Latin	2372514	d i e : s
French		
Spanish	23727-	d i a -
Italian	237--	d i - -
PortugueseBrazil	23729-	d i e -
Portuguese	23729-	d i e -
Catalan	2374-	d i ə -
Walloon	1021--	d̥ ɥ : - -
Friulian	237--	d i - -
Romanian	497--	z i - -

Appendix 3 - Character File

[Day]		
Latin	2371533131526	d i u r n u m
French	3-1536---	ʒ - u ʁ - - -
Spanish	23121528136-	d j u r n o -
Italian	10-633136-	ɖʒ - o r n o -
PortugueseBrazil		
Portuguese		
Catalan	3-62813--	ʒ - o r n - -
Walloon	10-21----	ɖʒ - u: - - - -
Friulian		
Romanian		
[Day]		
Latin		
French		
Spanish		
Italian		
PortugueseBrazil	39361327	ʒ ɔ ʁ n a
Portuguese	39361327	ʒ ɔ ʁ n a
Catalan		
Walloon		
Friulian		
Romanian		
[Day]		
Latin	237153313532027	d i u r n a: t a
French	3-1536130--	ʒ - u ʁ n e - -
Spanish	34-62813272327	x - o r n a d a
Italian	1063313272027-	ɖʒ o r n a t a -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	71-6331327230	ɖʒ - o r n a d e
Romanian		
[Year]		
Latin	2713131526	a n n u m
French	43----	ɑ̃ - - - -
Spanish	27-386-	a - ɲ o -
Italian	2713136-	a n n o -
PortugueseBrazil	29-1315-	e - n u -
Portuguese	29-1315-	e - n u -
Catalan	27-38--	a - ɲ - -
Walloon	43----	ɑ̃ - - - -
Friulian	27-75--	a - ɲ - -
Romanian	2713---	a n - - -
[Name]		
Latin	13226013	n o: m e n
French	1342---	n ɔ̃ - - -
Spanish		
Italian	132260-	n o: m e -
PortugueseBrazil	136267-	n o m i -
Portuguese	1362647-	n o m i -
Catalan	13926--	n ɔ m - -

Appendix 3 - Character File

Walloon	1361---	n õ - - -
Friulian	13975--	n ɔ ŋ - -
Romanian	1315260-	n u m e -
[Name]		
Latin	13226713-026	n o: m i n - e m
French		
Spanish	13626-19280-	n o m - b r e -
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Tongue]		
Latin	3271374-27	l i n g ^w - a
French	3243-1--	l ã - g - -
Spanish	320751827	l e ŋ g w a
Italian	327131827	l i n g w a
PortugueseBrazil	3244-1829	l ã - g w e
Portuguese	3244-1829	l ã - g w e
Catalan		
Walloon	3289----	l ëŋ - - -
Friulian	3231131-31	l ε n g - ε
Romanian	3272619-4	l i m b - ə
[ToDrink]		
Latin	19-7190330	b - i b e r e
French	19884--36-	b w a - - ʁ -
Spanish	19-019028-	b - e b e r -
Italian	19-0--280	b - e - - r e
PortugueseBrazil	19-019036-	b - e b e ʁ -
Portuguese	19-4767028-	b - i β e r -
Catalan	19-318-284	b - ε w - r ə
Walloon	1972--36--	b ø: - - ʁ - -
Friulian	19-0187--	b - e v i - -
Romanian	19-80----	b - ɣa - - -
[ToEat]		
Latin	516260230330	k o m e d e r e
French		
Spanish	516260--28-	k o m e - - r -
Italian		
PortugueseBrazil	516260----	k o m e - - - -
Portuguese	511526--028-	k u m - - e r -
Catalan		
Walloon		
Friulian		
Romanian		
[ToEat]		
Latin	26271323155153330	m a n d u k a: r e
French	2643-3--0--	m ã - ʒ - - e - -
Spanish	2627132315512728-	m a n d u k a r -

Appendix 3 - Character File

Italian	26271310--27280	m a n ɔ̃ - - a r e
PortugueseBrazil	2645-3--2736-	m ẽ - ʒ - - a ʁ -
Portuguese	2645-3--2728-	m ẽ - ʒ - - a r -
Catalan	264383--27--	m ə ɲ ʒ - - a - -
Walloon	262738---37--	m a ɲ - - - i: - -
Friulian	26277583--53--	m a ŋ ʃ - - a: - -
Romanian	264713--5127--	m i n - - k a - -

[ToBite]

Latin	26-6332325330	m - o r d e r e
French	26-63623-36-	m - o ʁ d - ʁ -
Spanish	26-62850028-	m - o r ð e r -
Italian	26-933230330	m - ɔ r d e r e
PortugueseBrazil	26-63623036-	m - o ʁ d e ʁ -
Portuguese	26-152850028-	m - u r ð e r -
Catalan		
Walloon		
Friulian	2682733237--	m w a r d i - -
Romanian		

[ToBite]

Latin	266331475153330	m o r s i k a: r e
French		
Spanish	266-14-512728-	m o - s - k a r -
Italian	266331475127280	m o r s i k a r e
PortugueseBrazil	2615-144127--	m u - s ə g a - -
Portuguese	2615-14412733-	m u - s ə g a r -
Catalan	2615-1448527--	m u - s ə ɣ a - -
Walloon		
Friulian		
Romanian	2615331405127--	m u r s e k a - -

[ToSuck]

Latin	142110330	s u: g e r e
French	1422140--	s y s e - -
Spanish		
Italian		
PortugueseBrazil	141512736-	s u g a ʁ -
Portuguese	141512728-	s u g a r -
Catalan		
Walloon	14221437--	s y s i: - -
Friulian	65156553--	c u c a: - -
Romanian	1415100--	s u ɔ̃ e - -

[ToSpit]

Latin	516131448150330	k o n s p u e r e
French	5142-1448220--	k ɔ̃ - s p y e - -
Spanish		
Italian		
PortugueseBrazil	5115-1448736--	k u - s p i ʁ - -
Portuguese	5115-1648728--	k u - ʃ p i r - -
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToSpit]

Latin		
French		
Spanish	0145115-48728	e s k u - p i r
Italian		
PortugueseBrazil		
Portuguese		
Catalan	4145115-487-	ə s k u - p i -
Walloon		
Friulian		
Romanian	-145115124827-	- s k u j p a -

[ToSpit]

Latin	-144815200330	- s p u t e r e
French		
Spanish	0144815202728-	e s p u t a r -
Italian	-1448152027280	- s p u t a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	-1448152353--	- s p u d a - -
Romanian		

[ToVomit]

Latin	86260330	w o m e r e
French	18626736-	v o m i ɣ -
Spanish		
Italian	189260330	v ɔ m e r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	182267--	v ɔː m i - -
Friulian		
Romanian	1839260--	v ɔ a m e - -

[ToBlow]

Latin	141524243253330	s u f f l aː r e
French	1415-24320--	s u - f l e - -
Spanish		
Italian	14624241227330	s o f f j a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	1415-24320--	s u - f l e - -
Friulian	146-243253--	s o - f l aː - -
Romanian	1415-243227--	s u - f l a - -

[ToBreathe]

Latin	3301448373353330	r e s p iː r aː r e
French		
Spanish	33014487282728-	r e s p i r a r -
Italian	330144873327280	r e s p i r a r e
PortugueseBrazil	36014487282728-	ɤ e s p i r a r -
Portuguese	364716487282728-	ɤ i ʃ p i r a r -
Catalan	334144872827--	r ə s p i r a - -

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Walloon		
Friulian	330144873353--	r e s p i r a: - -
Romanian		
[ToLaugh]		
Latin	3337-2325330	r i: - d e: r e
French	367---36-	ʁ i - - - ʁ -
Spanish	330--728-	r e - - i r -
Italian	3337-230280	r i: - d e r e
PortugueseBrazil	367---36-	ʁ i - - - ʁ -
Portuguese	367---28-	ʁ i - - - r -
Catalan	3378--284	r i w - - r ə
Walloon	3637---36-	ʁ i: - - - ʁ -
Friulian	337-237--	r i - d i - -
Romanian	2847-230--	r i - d e - -
[ToSee]		
Latin	8-72325330	w - i d e: r e
French	18827--36-	v w a - - ʁ -
Spanish	19---028-	b - - - e r -
Italian	18-0230280	v - e d e r e
PortugueseBrazil	18---036-	v - - - e ʁ -
Portuguese	18---028-	v - - - e r -
Catalan	19-318-284	b - ε w - r ə
Walloon	18-37--55-	v - i: - - r -
Friulian	18126237--	v j o d i - -
Romanian	18-02380--	v - e d ɛ a - -
[ToHear]		
Latin	78-2337330	aʁ- d i: r e
French	8--736-	w - - i ʁ -
Spanish	6--728-	o - - i r -
Italian	15-237280	u - d i r e
PortugueseBrazil	6818736-	o w v i ʁ -
Portuguese	6818728-	o w v i r -
Catalan	15--7--	u - - i - -
Walloon	61--55--	õ - - r - -
Friulian	15322337--	u l d i: - -
Romanian	2715497--	a u z i - -
[ToKnow]		
Latin	145137330	s k i: r e
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	16207--	f t i - -
[ToKnow]		
Latin	142748-0330	s a p - e r e
French	14271882736-	s a v w a ʁ -
Spanish	142719-028-	s a b - e r -

Appendix 3 - Character File

Italian	142748-0330	s a p - e r e
PortugueseBrazil	142719-036-	s a b - e ʁ -
Portuguese	142919-028-	s ɐ b - e r -
Catalan	14467-31--	s ə β - ε - -
Walloon	142718-7255-	s a v - ø: R -
Friulian	142718-25--	s a v - e: - -
Romanian		
[ToKnow]		
Latin	516113214510330	k o g n o: s k e r e
French	519-1331-2036--	k ɔ - n ε - t ʁ - -
Spanish	516-13658028--	k o - n o θ e r - -
Italian	516-13616160330	k o - n o f f e r e
PortugueseBrazil	516-38014-036-	k o - n e s - e ʁ -
Portuguese	5115-384714-028-	k u - n i s - e r -
Catalan	5115-133116-4--	k u - n ε f - ə - -
Walloon	517-13940----	k i - n ɔ h - - - -
Friulian	516-38614-7--	k o - n o s - i - -
Romanian	5115-133916200--	k u - n ɔ a f t e - -
[ToThink]		
Latin	51-2172053330	k - o: g i t a: r e
French	5169--7230--	k ɥ - - i d e - -
Spanish	518--7232728-	k w - - i d a r -
Italian	51-61072027330	k - o dʒ i t a r e
PortugueseBrazil	51-1537202736-	k - u ʒ i t a ʁ -
Portuguese	51-1537202728-	k - u ʒ i t a r -
Catalan	51-15-122327--	k - u - j d a - -
Walloon		
Friulian		
Romanian	51-151002027--	k - u dʒ e t a - -
[ToThink]		
Latin	4825131453330	p e: n s a: r e
French	4843-140--	p ā - s e - -
Spanish	48013142728-	p e n s a r -
Italian	480131427280	p e n s a r e
PortugueseBrazil	4864-142736-	p ě - s a ʁ -
Portuguese	4864-142728-	p ě - s a r -
Catalan	484131427--	p ə n s a - -
Walloon	4862-140--	p ě - s e - -
Friulian	480751453--	p e ŋ s a: - -
Romanian	484-1427--	p ə - s a - -
[ToSmell]		
Latin	140132037330	s e n t i: r e
French	1443-20736-	s ā - t i ʁ -
Spanish	1401320728-	s e n t i r -
Italian	14013207330	s e n t i r e
PortugueseBrazil	1464-46736-	s ě - t f i ʁ -
Portuguese	1464-20728-	s ě - t i r -
Catalan	14413207--	s ə n t i - -
Walloon	1462-207--	s ě - t i - -
Friulian	147132037--	s i n t i: - -
Romanian	14726527--	s i m t s i - -

Appendix 3 - Character File

[ToSmell]

Latin	63225330	o l e r e
French		
Spanish	632028-	o l e r -
Italian	6327330	o l i r e
PortugueseBrazil		
Portuguese		
Catalan	1532152827	u l u r a
Walloon		
Friulian		
Romanian		

[ToSmell]

Latin	62323353330	o d o r a r e
French		
Spanish		
Italian	62363327330	o d o r a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[ToSmell]

Latin	24335313353330	f r a g r a r e
French	243231-360--	f l ε - æ e - -
Spanish		
Italian	24332713327330	f r a g r a r e
PortugueseBrazil	16-59-282736-	f - ej - r a æ -
Portuguese	16-60-282728-	f - ej - r a r -
Catalan	24324122827--	f l ə j r a - -
Walloon		
Friulian		
Romanian		

[ToFear]

Latin	2072625330	t i m e r e
French		
Spanish	20026028-	t e m e r -
Italian	200260330	t e m e r e
PortugueseBrazil	20026036-	t e m e æ -
Portuguese	204726028-	t i m e r -
Catalan	200264--	t e m ə - -
Walloon		
Friulian	200267--	t e m i - -
Romanian	200260--	t e m e - -

[ToFear]

Latin	2033026-0330	t r e m - e r e
French	513664-23-36-	k æ ě - d - æ -
Spanish	2028026-028-	t r e m - e r -
Italian	2033026-27330	t r e m - a r e
PortugueseBrazil	2028026-036-	t r e m - e æ -
Portuguese	20284726-028-	t r i m - e r -
Catalan		

Appendix 3 - Character File

Walloon		
Friulian	2033726-53--	t r i m - a - -
Romanian		
[ToSleep]		
Latin	23-6332637330	d - o r m i : r e
French	23-93626736-	d - ɔ ʁ m i ʁ -
Spanish	23-62826728-	d - o r m i r -
Italian	23-633267330	d - o r m i r e
PortugueseBrazil	23-63626736-	d - o ʁ m i ʁ -
Portuguese	23-152826728-	d - u r m i r -
Catalan	23-1533267--	d - u r m i - -
Walloon	2382736267--	d w a ʁ m i - -
Friulian	23-15332637--	d - u r m i : - -
Romanian	23-633267--	d - o r m i - -
[ToLive]		
Latin	83780330	w i : w e r e
French	18718-36-	v i v - ʁ -
Spanish	19719728-	b i b i r -
Italian	187180330	v i v e r e
PortugueseBrazil	18718036-	v i v e ʁ -
Portuguese	18718028-	v i v e r -
Catalan	1978-284	b i w - r ə
Walloon		
Friulian	187187--	v i v i - -
Romanian	187-27--	v i - a - -
[ToDie]		
Latin		
French	261536736-	m u ʁ i ʁ -
Spanish	26628728-	m o r i r -
Italian	266337330	m o r i r e
PortugueseBrazil	26636036-	m o ʁ e ʁ -
Portuguese	261536028-	m u ʁ e r -
Catalan	2615287--	m u r i - -
Walloon	269557--	m ɔ r i - -
Friulian	26153337--	m u r i : - -
Romanian	2615337--	m u r i - -
[ToKill]		
Latin	13-05153330	n - e k a : r e
French	138560---	n w a j e - - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan	13-4127--	n - ə g a - -
Walloon		
Friulian		
Romanian	13-05127--	n - e k a - -
[ToKill]		
Latin		
French		
Spanish	27-13012728-	a - n e g a r -

Appendix 3 - Character File

Italian	2713130127330	a n n e g a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[ToKill]		
Latin	2021-2053337	t u:- t a:r i
French	20-69-0--	t - u - e - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	20158-0--	t u w - e - -
Friulian		
Romanian		
[ToKill]		
Latin	2627512053330	m a k t a:r e
French	2627-200--	m a - t e - -
Spanish	2627-202728-	m a - t a r -
Italian		
PortugueseBrazil	2627-202736-	m a - t a r -
Portuguese	2629-202728-	m e - t a r -
Catalan	264-2027--	m e - t a - -
Walloon		
Friulian	262746-53--	m a t f - a: - -
Romanian		
[ToKill]		
Latin	6515137230330	o k k i: d e r e
French	951147--36-	o k s i - - r -
Spanish		
Italian	1520467230280	u t t f i d e r e
PortugueseBrazil		
Portuguese		
Catalan	1551147----	u k s i - - - -
Walloon		
Friulian		
Romanian	15-467230--	u - t f i d e - -
[ToFight]		
Latin	481511353330	p u g n a:r e
French		
Spanish	4815-382728-	p u - p a r -
Italian	4815383827330	p u p n a r e
PortugueseBrazil		
Portuguese		
Catalan	4815-3827--	p u - p a - -
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToFight]

Latin	19272020150330	b a t t u e r e
French	192720--36--	b a t - - æ - -
Spanish	1927-20-728-	b a - t - i r -
Italian	19272020-0330	b a t t - e r e
PortugueseBrazil	1927-20-036-	b a - t - e æ -
Portuguese	1929-20-028-	b æ - t - e r -
Catalan	1927-20--284	b a - t - - r ə
Walloon	192720-0---	b a t - e - - -
Friulian	192720-7---	b a t - i - - -
Romanian	192720-0---	b a t - e - - -

[ToHunt]

Latin	51274820753330	k a p t i a : r e
French	1627-14-0--	f a - s - e - -
Spanish	5127-58-2728-	k a - θ - a r -
Italian	51272046-27330	k a t t f - a r e
PortugueseBrazil	5127-14-2736-	k a - s - a æ -
Portuguese	5129-14-2728-	k æ - s - a r -
Catalan	514-14-27--	k ə - s - a - -
Walloon	4631-14-37--	t f ε - s - i : - -
Friulian	6527-46-53--	c a - t f - a : - -
Romanian		

[ToHit]

Latin	4815321453330	p u l s a : r e
French	4815-140--	p u - s e - -
Spanish	4815-342728-	p u - x a r -
Italian	4815321427330	p u l s a r e
PortugueseBrazil	4815-162736-	p u - f a æ -
Portuguese	4815-162728-	p u - f a r -
Catalan		
Walloon		
Friulian	4815321453--	p u l s a : - -
Romanian	4815321427--	p u l s a - -

[ToCut]

Latin	14-05153330	s - e k a : r e
French	14120----	s j e - - - -
Spanish	14-012728-	s - e g a r -
Italian	14-0127330	s - e g a r e
PortugueseBrazil	14-012736-	s - e g a æ -
Portuguese	14-47852728-	s - i y a r -
Catalan	14-48527--	s - ə y a - -
Walloon		
Friulian	14-0-53--	s - e - a : - -
Romanian		

[ToCut]

Latin	5115332053330	k u r t a : r e
French		
Spanish	51628202728-	k o r t a r -
Italian		
PortugueseBrazil	51636202736-	k o æ t a æ -
Portuguese	511528202728-	k u r t a r -
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[ToCut]

Latin	051145115332053330	e k s k u r t a: r e
French	0--511536200--	e - - k u æ t e - -
Spanish		
Italian	--14516332027330	- - s k o r t a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	--145115332053--	- - s k u r t a: - -
Romanian	--145115332027--	- - s k u r t a - -

[ToCut]

Latin	2053-32753330	t a: - l i a: r e
French	208412--0--	t a j - - e - -
Spanish	2027-34-2728-	t a - x - a r -
Italian	2027-353553330	t a - Á Á a: r e
PortugueseBrazil	2027-35-2736-	t a - Á - a æ -
Portuguese	2029-35-2728-	t æ - Á - a r -
Catalan	204-35-27--	t ə - Á - a - -
Walloon	2031--1237--	t ε - - j i: - -
Friulian	2027--1253--	t a - - j a: - -
Romanian	204--1227--	t ə - - j a - -

[ToSplit]

Latin	233787230330	d i: w i d e r e
French		
Spanish	23719723728-	d i b i d i r -
Italian	237187230330	d i v i d e r e
PortugueseBrazil	10718710736-	ɖ i v i ɖ i æ -
Portuguese	23718750728-	d i v i ð i r -
Catalan	237197237--	d i b i d i - -
Walloon		
Friulian	237187237--	d i v i d i - -
Romanian	237187230--	d i v i d e - -

[ToSplit]

Latin	1451713230330	s k i n d e r e
French	14-62-230--	s - ã - d e - -
Spanish		
Italian	16-713230330	f - i n d e r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[ToSplit]

Latin	24713230330	f i n d e r e
French	2443-23-36-	f ã - d - æ -
Spanish	-01323028-	- e n d e r -

Appendix 3 - Character File

Italian	243113230330	f ε n d e r e
PortugueseBrazil	2464-23036-	f ē - d e ʁ -
Portuguese	2464-23028-	f ē - d e r -
Catalan	24311323-284	f ε n d - r ə
Walloon	2462-20---	f ē - t - - -
Friulian		
Romanian		
[ToSplit]		
Latin	4827332037330	p a r t i r e
French	48273620736-	p a ʁ t i ʁ -
Spanish	48272820728-	p a r t i r -
Italian	482733207330	p a r t i r e
PortugueseBrazil	48273646736-	p a ʁ t i ʁ -
Portuguese	48292820728-	p ɐ r t i r -
Catalan	48433207--	p ə r t i - -
Walloon	487355207--	p ɔː r t i - -
Friulian	4827332037--	p a r t i - -
Romanian		
[ToSplit]		
Latin	142548273353330-	s e p a r a r e -
French	144-18---360	s ə - v - - - ʁ e
Spanish	1404827282728--	s e p a r a r - -
Italian	14048273327330-	s e p a r a r e -
PortugueseBrazil	1404827282736--	s e p a r a ʁ - -
Portuguese	14474829282728--	s i p ɐ r a r - -
Catalan	1444842827---	s ə p ə r a - - -
Walloon		
Friulian	14048273353---	s e p a r a - - -
Romanian	14048273327---	s e p a r a - - -
[ToStab]		
Latin	48-151310330	p - u n g e r e
French	48862-23-36-	p w ē - d - ʁ -
Spanish		
Italian	48-1513100330	p - u n d̥ e r e
PortugueseBrazil	48-90-3736-	p - ã - ʒ i ʁ -
Portuguese	48-90-3728-	p - ã - ʒ i r -
Catalan	48-1538-7--	p - u n - i - -
Walloon		
Friulian		
Romanian	481513100---	p u n d̥ e - - -
[ToStab]		
Latin	12151153253330	j u g u l a r e
French	322122320--	ʒ y g y l e - -
Spanish		
Italian	12151153253330	j u g u l a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToScratch]

Latin	3353230330	r a: d e r e
French		
Spanish	3327-028-	r a - e r -
Italian	3327230330	r a d e r e
PortugueseBrazil	3627-036-	ʁ a - e ʁ -
Portuguese	3629-028-	ʁ ɐ - e r -
Catalan	33278-284	r a w - r ə
Walloon		
Friulian	33272353--	r a d a: - -
Romanian	3327230--	r a d e - -

[ToScratch]

Latin		
French	3684490--	ʁ a z e - -
Spanish	3327142728-	r a s a r -
Italian	33271427330	r a s a r e
PortugueseBrazil	3627492736-	ʁ a z a ʁ -
Portuguese	3629492728-	ʁ ɐ z a r -
Catalan	3344927--	r ə z a - -
Walloon		
Friulian	33271453--	r a s a: - -
Romanian		

[ToScratch]

Latin		
French		
Spanish	332714512728	r a s k a r
Italian		
PortugueseBrazil	362716512736	ʁ a ʃ k a ʁ
Portuguese	362916512728	ʁ ɐ ʃ k a r
Catalan	334145127-	r ə s k a -
Walloon		
Friulian		
Romanian		

[ToScratch]

Latin		
French		
Spanish		
Italian		
PortugueseBrazil	516142791	k o s a ɹ
Portuguese	5115142728	k u s a r
Catalan		
Walloon		
Friulian		
Romanian		

[ToDig]

Latin	24-6230330	f - o d e r e
French	2487--36-	f w i - - ʁ -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[ToDig]

Latin	5127853330	k a w a : r e
French	164180--	ʃ ə v e - -
Spanish	5127192728-	k a b a r -
Italian	51271827330	k a v a r e
PortugueseBrazil	5129182736-	k ə v a ʁ -
Portuguese	5129182728-	k ə v a r -
Catalan	5141927--	k ə b a - -
Walloon		
Friulian	83271853--	ʃ a v a : - -
Romanian		

[ToDig]

Latin	051145127853330	e k s k a w a : r e
French		
Spanish	0145127192728--	e s k a b a r - -
Italian	--1451271827330	- - s k a v a r e
PortugueseBrazil	7-165129182736-	i - ʃ k ə v a ʁ -
Portuguese	7-165129182728-	i - ʃ k ə v a r -
Catalan		
Walloon		
Friulian	--4983271853--	- - z ʃ a v a : - -
Romanian		

[ToSwim]

Latin	13-272053330	n - a t a : r e
French		
Spanish	13-27232728-	n - a d a r -
Italian	13862027280	n w o t a r e
PortugueseBrazil	13-27232736-	n - a d a ʁ -
Portuguese	13-29502728-	n - ə ð a r -
Catalan	13-42327--	n - ə d a - -
Walloon		
Friulian	13-272353--	n - a d a : - -
Romanian		

[ToSwim]

Latin	1327187153330	n a v i g a : r e
French	1327--30--	n a - - ʒ e - -
Spanish	132719012728-	n a b e g a r -
Italian	1327187127330	n a v i g a r e
PortugueseBrazil	13271847852736-	n a v i ɣ a ʁ -
Portuguese	13291847852728-	n ə v i ɣ a r -
Catalan	134194127--	n ə b ə g a - -
Walloon	1331--1037--	n ɛ - - dʒ i : - -
Friulian	1327187153--	n a v i g a : - -
Romanian	1327187127--	n a v i g a - -

[ToFly]

Latin	863253330	w o l a : r e
French	186320--	v o l e - -
Spanish	196322728-	b o l a r -

Appendix 3 - Character File

Italian	1863227280	v o l a r e
PortugueseBrazil	186-2736-	v o - a ʁ -
Portuguese	188-2728-	v w - a r -
Catalan	19153227--	b u l a - -
Walloon	189320--	v ɔ l e - -
Friulian		
Romanian		
[ToFly]		
Latin		
French		
Spanish		
Italian	491863227280	z v o l a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	491863253--	z v o l a : - -
Romanian	4919152827--	z b u r a - -
[ToWalk]		
Latin		
French	164267130---	f ə m i n e - - -
Spanish	5127267132728--	k a m i n a r - -
Italian	5127262671327280	k a m m i n a r e
PortugueseBrazil	5129267382736--	k ɐ m i ɲ a ʁ - -
Portuguese	5129267382728--	k ɐ m i ɲ a r - -
Catalan	5142671327---	k ə m i n a - - -
Walloon	467267130---	ʃ i m i n e - - -
Friulian	65272671353---	c a m i n a : - - -
Romanian		
[ToWalk]		
Latin		
French	262736160	m a ʁ f e
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	2653554637	m a : ʁ ʃ i :
Friulian		
Romanian		
[ToWalk]		
Latin	2603310330	m e r g e r e
French		
Spanish		
Italian	263133100330	m ɛ r ʤ e r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	26033100--	m e r ʤ e - -

Appendix 3 - Character File

[ToWalk]

Latin	27261972053330	a m b i t a r e
French		
Spanish	271323--2728-	a n d - - a r -
Italian	271323--27330	a n d - - a r e
PortugueseBrazil	45-23--2736-	ẽ - d - - a ʁ -
Portuguese	45-23--2728-	ẽ - d - - a r -
Catalan		
Walloon		
Friulian		
Romanian		

[ToCome]

Latin	801337330	w e n i r e
French	18413736-	v ə n i ʁ -
Spanish	19013728-	b e n i r -
Italian	180137280	v e n i r e
PortugueseBrazil	18--736-	v - - i ʁ -
Portuguese	18--728-	v - - i r -
Catalan	194137--	b ə n i - -
Walloon	187137--	v i n i - -
Friulian	1873837--	v i ɲ i - -
Romanian	180137--	v e n i - -

[ToLieAsInABed]

Latin	0511420013230330	e k s t e n d e r e
French	0-2043-23-36--	e - t ɑ̃ - d - ʁ - -
Spanish	051142001323028-	e k s t e n d e r -
Italian	0-14203113230330	e - s t ɛ n d e r e
PortugueseBrazil	7142064-23036--	i s t ẽ - d e ʁ - -
Portuguese	7162064-23028--	i ʃ t ẽ - d e r - -
Catalan	4-142001323-284	ə - s t e n d - r ə
Walloon		
Friulian		
Romanian	0511420713230--	e k s t i n d e - -

[ToLieAsInABed]

Latin	1227-5125330	j a - k e r e
French	30-49736-	ʒ e - z i ʁ -
Spanish	527-58028-	j a - θ e r -
Italian	1027-4625280	ɕ a - ʃ e r e
PortugueseBrazil	329-49036-	ʒ ɐ - z e ʁ -
Portuguese	329-49028-	ʒ ɐ - z e r -
Catalan	3278--284	ʒ a w - - r ə
Walloon	100--330-	ɕ e - - r e -
Friulian	120-147--	j e - s i - -
Romanian	494-4680--	z ə - ʃ ɛ a - -

[ToSit]

Latin	14-02325330	s - e d e r e
French	14827--36-	s w a - - ʁ -
Spanish	14-0--28-	s - e - - r -
Italian	14-0230330	s - e d e r e
PortugueseBrazil	14-0--36-	s - e - - ʁ -
Portuguese	14-0--28-	s - e - - r -
Catalan		

Appendix 3 - Character File

Walloon		
Friulian		
Romanian	16-02380--	f - e d ęa - -
[ToSit]		
Latin	140230132053330	s e d e n t a: r e
French		
Spanish	140--13202728-	s e - - n t a r -
Italian		
PortugueseBrazil	1464---202728-	s ě - - - t a r -
Portuguese	1464---202728-	s ě - - - t a r -
Catalan		
Walloon		
Friulian	140--132053--	s e - - n t a: - -
Romanian		
[ToStand]		
Latin	-142053330	- s t a: r e
French	31-20-36-	ε - t - ʁ -
Spanish	014202728-	e s t a r -
Italian	-142027330	- s t a r e
PortugueseBrazil	4716202728-	i ʃ t a r -
Portuguese	4716202728-	i ʃ t a r -
Catalan	4142027--	ə s t a - -
Walloon	3114----	ε s - - - -
Friulian	-142053--	- s t a: - -
Romanian	-142027--	- s t a - -
[ToStand]		
Latin	3201853330	l e v a: r e
French	324180--	l ə v e - -
Spanish	50192728-	j e b a r -
Italian	3201827330	l e v a r e
PortugueseBrazil	320182736-	l e v a ʁ -
Portuguese	3247182728-	l i v a r -
Catalan	3541927--	ʎ ə b a - -
Walloon	324180--	l ə v e - -
Friulian	3201853--	l e v a: - -
Romanian	32-1527--	l - u a - -
[ToStand]		
Latin	-273220753330	- a l t i a: r e
French	-6-14-0--	- o - s - e - -
Spanish	-273258-2728-	- a l θ - a r -
Italian	-27325227330-	- a l t s a r e -
PortugueseBrazil	-276814-27--	- a ł s - a - -
Portuguese	-276814-2728-	- a ł s - a r -
Catalan	-43214-27--	- ə l s - a - -
Walloon	4073-14-37--	h ɔ: - s - i: - -
Friulian	-27322016-53-	- a l t ʃ - a: -
Romanian		
[ToTurnIntransitive]		
Latin	206331353330	t o r n a: r e
French	201536130--	t u ʁ n e - -
Spanish	20628132728-	t o r n a r -

Appendix 3 - Character File

Italian	206331327330	t o r n a r e
PortugueseBrazil	20636132736-	t o ʁ n a ʁ -
Portuguese	201528132728-	t u r n a r -
Catalan	2015331327--	t u r n a - -
Walloon	202133130--	t u: r n e - -
Friulian	206331353--	t o r n a: - -
Romanian	2015331327--	t u r n a - -

[ToTurnIntransitive]

Latin	1223353330	g y r a: r e
French	37360--	ʒ i ʁ e - -
Spanish	347282728-	x i r a r -
Italian	1073327280	ʒ i r a r e
PortugueseBrazil	37282728-	ʒ i r a r -
Portuguese	37282728-	ʒ i r a r -
Catalan	372827--	ʒ i r a - -
Walloon		
Friulian	1073353--	ʒ i r a: - -
Romanian		

[ToTurnIntransitive]

Latin		
French	187360--	v i ʁ e - -
Spanish	197282728-	b i r a r -
Italian	1873327280	v i r a r e
PortugueseBrazil	187282728-	v i r a r -
Portuguese	37282728-	ʒ i r a r -
Catalan	1972827--	b i r a - -
Walloon	187360--	v i ʁ e - -
Friulian	1073353--	ʒ i r a: - -
Romanian		

[ToTurnIntransitive]

Latin	206338725330	t o r k ^w : r e
French	2093623-36-	t ɔ ʁ d - ʁ -
Spanish	2062858028-	t o r θ e r -
Italian	20933460330	t ɔ r ʃ e r e
PortugueseBrazil	20153314033-	t u r s e r -
Portuguese	20153314033-	t u r s e r -
Catalan	20933144--	t ɔ r s ə - -
Walloon		
Friulian		
Romanian	203933460--	t ɔar ʃ e - -

[ToFall]

Latin	51-27230330	k - a d e r e
French	16827--36-	ʃ w a - - ʁ -
Spanish	51-27-028-	k - a - e r -
Italian	51-27230280	k - a d e r e
PortugueseBrazil	51-29-728-	k - ɐ - i r -
Portuguese	51-29-728-	k - ɐ - i r -
Catalan	51-278-334	k - a w - r ə
Walloon	46-57--55-	ʃ - ɛ: - - ʀ -
Friulian	461227230--	ʃ j a d e - -
Romanian	5142380---	k ə d ɛa - -

Appendix 3 - Character File

[ToFall]

Latin		
French	2061-190-	t õ - b e -
Spanish	201526192728	t u m b a r
Italian		
PortugueseBrazil	2061-192736	t õ - b a ¤
Portuguese	2061-192728	t õ - b a r
Catalan	2015261927-	t u m b a -
Walloon	201526-0-	t u m - e -
Friulian		
Romanian		

[ToGive]

Latin	2327330	d a r e
French		
Spanish	232728-	d a r -
Italian	2327330	d a r e
PortugueseBrazil	232736-	d a ¤ -
Portuguese	232728-	d a r -
Catalan	232733-	d a r -
Walloon		
Friulian	2353--	d a: - -
Romanian	2327--	d a - -

[ToGive]

Latin	2361353330	d o n a: r e
French	239130--	d ò n e - -
Spanish	236132728-	d o n a r -
Italian	2361327330	d o n a r e
PortugueseBrazil	236-27--	d o - a - -
Portuguese	2315-2728-	d u - a r -
Catalan	23151327--	d u n a - -
Walloon	237130--	d i n e - -
Friulian	2361353--	d o n a: - -
Romanian		

[ToHold]

Latin	20013-25330	t e n - e: r e
French	20413-736-	t ə n - i ¤ -
Spanish	20013-028-	t e n - e r -
Italian	20013-0280	t e n - e r e
PortugueseBrazil	200---36-	t e - - - ¤ -
Portuguese	200---28-	t e - - - r -
Catalan	20413-7--	t ə n - i - -
Walloon	20713-7--	t i n - i - -
Friulian	20713127--	t i n j i - -
Romanian	52713-0--	ts i n - e - -

[ToHold]

Latin		
French		
Spanish	140115282728	s e g u r a r
Italian		
PortugueseBrazil	1447115282736	s i g u r a ¤
Portuguese	14478515282728	s i ¸ u r a r
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[ToSqueeze]

Latin	051144833726-0330	e k s p r i m - e r e
French	0--483662-23-36-	e - - p ɤ ã - d - ɤ -
Spanish	051144828026-728-	e k s p r e m - i r -
Italian	--1448333126-0330	- - s p r e m - e r e
PortugueseBrazil	7-164833426-036-	i - ʃ p r ə m - e ɤ -
Portuguese	7-164833426-033-	i - ʃ p r ə m - e r -
Catalan	4-144828026-4--	ə - s p r e m - ə - -
Walloon		
Friulian	0-144833726-7--	e - s p r i m - i - -
Romanian	-1451-330260---	- s k - r e m e - - -

[ToSqueeze]

Latin	14033330330	s e r r e r e
French		
Spanish	140-332728-	s e - r a r -
Italian		
PortugueseBrazil	140-3627--	s e - ɤ a - -
Portuguese	144-552728-	s ə - ɤ a r -
Catalan	144-3327--	s ə - r a - -
Walloon		
Friulian		
Romanian		

[ToSqueeze]

Latin	140-3327330	s e - r a r e
French	140-360--	s e - ɤ e - -
Spanish	580-332728-	θ e - r a r -
Italian	140333327330	s e r r a r e
PortugueseBrazil	1447-362728-	s i - ɤ a r -
Portuguese	1447-362728-	s i - ɤ a r -
Catalan		
Walloon	1431-550--	s ɛ - ɤ e - -
Friulian		
Romanian		

[ToSqueeze]

Latin	2748480512063353330	a p p e k t o r a r e
French		
Spanish	27-48--280202728-	a - p - - r e t a r -
Italian		
PortugueseBrazil	29-4847-28-202728-	ɐ - p i - r - t a r -
Portuguese	29-4847-28-202728-	ɐ - p i - r - t a r -
Catalan		
Walloon		
Friulian		
Romanian		

[ToSqueeze]

Latin	-14203371310330	- s t r i n g e r e
French	0-203662-23-36-	e - t ɤ ã - d - ɤ -
Spanish	0142028038-728-	e s t r e ɲ - i r -

Appendix 3 - Character File

Italian	-142033713100330	- s t r i n ð e r e
PortugueseBrazil	416203344-3733-	ə ʃ t r i - ʒ i r -
Portuguese	4162033443733--	ə ʃ t r i ʒ i r - -
Catalan	41420283138-4--	ə s t r ε ɲ - ə - -
Walloon	-14203371310--	- s t r i n g e - -
Friulian	-1420333113137--	- s t r ε n g i - -
Romanian	-1420334713100--	- s t r i n ð e - -

[ToRub]

Latin	243375153330	f r i k aː r e
French	2436860---	f ʁ ɛ j e - - -
Spanish	2428012728-	f r e g a r -
Italian	24330127330	f r e g a r e
PortugueseBrazil		
Portuguese		
Catalan	24284127--	f r ə g a - -
Walloon	243317----	f r o j - - - -
Friulian	24330-27--	f r e - a - -
Romanian	243305127--	f r e k a - -

[ToRub]

Latin		
French		
Spanish		
Italian		
PortugueseBrazil	471624284712728	i ʃ f r i g a r
Portuguese	4716242847852728	i ʃ f r i ɣ a r
Catalan		
Walloon		
Friulian		
Romanian		

[ToRub]

Latin	24337512053330	f r i k t aː r e
French	24366200---	f ʁ o t e - - -
Spanish	24286202728--	f r o t a r - -
Italian	24330202027330	f r e t t a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	24366200---	f ʁ o t e - - -
Friulian		
Romanian		

[ToRub]

Latin		
French		
Spanish	24337142728	f r i s a r
Italian		
PortugueseBrazil		
Portuguese		
Catalan	242841427-	f r ə s a -
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToWash]

Latin	3227853330	l a w a: r e
French	3227180--	l a v e - -
Spanish	3227672728-	l a ß a r -
Italian	32271827330	l a v a r e
PortugueseBrazil	3229182728-	l e v a r -
Portuguese	3229182728-	l e v a r -
Catalan	3541927--	Á ə b a - -
Walloon	3227180--	l a v e - -
Friulian	32271853--	l a v a: - -
Romanian	3227----	l a - - - -

[ToWipe]

Latin	2003310330	t e r g e r e
French		
Spanish		
Italian	203133100330	t e r đ e r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

[ToWipe]

Latin	051142003310330	e k s t e r g e r e
French		
Spanish	0-1420272814728-	e - s t a r s i r -
Italian		
PortugueseBrazil		
Portuguese		
Catalan	4-142043337--	ə - s t ə r ʒ i - -
Walloon		
Friulian		
Romanian	--1620033100--	- - f t e r đ e - -

[ToWipe]

Latin	05114-2151-53330	e k s - u: k - a: r e
French	0-14697-120--	e - s ʊ i - j e - -
Spanish	01334-151-2728-	e n x - u g - a r -
Italian	271616-151-27330	a ʃ ʃ - u g - a r e
PortugueseBrazil	64-16-151-2728-	ẽ - ʃ - u g - a r -
Portuguese	64-16-1585-2728-	ẽ - ʃ - u ɣ - a r -
Catalan	4-16-15127---	ə - ʃ - u g a - - -
Walloon	--14-15-80--	- - s - u - w e - -
Friulian	--14-15-1253--	- - s - u - j a: - -
Romanian	15-14--51-27--	u - s - - k - a - -

[ToWipe]

Latin	327264872353330	l i m p i d a: r e
French		
Spanish	327264812-2728-	l i m p j - a r -
Italian		
PortugueseBrazil	3244-48--2728-	l ã - p - - a r -
Portuguese	3244-48--2728-	l ã - p - - a r -
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[ToPull]

Latin	2073353330	t i r a: r e
French	207360--	t i ʁ e - -
Spanish	207282728-	t i r a r -
Italian	2073327330	t i r a r e
PortugueseBrazil	4672827--	ʃ i r a - -
Portuguese	207282728-	t i r a r -
Catalan	2072827--	t i r a - -
Walloon	207330--	t i r e - -
Friulian	2073353--	t i r a: - -
Romanian		

[ToPull]

Latin	4815321453330	p u l s a: r e
French	4815-140--	p u - s e - -
Spanish	4815-342728-	p u - x a r -
Italian	4815321427330	p u l s a r e
PortugueseBrazil	4815-162728-	p u - ʃ a r -
Portuguese	4815-162728-	p u - ʃ a r -
Catalan		
Walloon	48211437---	p u: s i: - - -
Friulian	4815321453--	p u l s a: - -
Romanian	4815321427--	p u l s a - -

[ToPull]

Latin	203327400330	t r a h e r e
French	2036--3136-	t ʁ - - ε ʁ -
Spanish		
Italian	20332733-330	t r a r - r e
PortugueseBrazil	202827490--	t r a z e - -
Portuguese	20282949028-	t r ø z e r -
Catalan	2028318-284	t r ε w - r ə
Walloon		
Friulian	203356----	t r a j - - - -
Romanian	203327100--	t r a ɕ e - -

[ToPush]

Latin	7264871310330	i m p i n g e r e
French		
Spanish		
Italian	72648713100330	i m p i n ɕ e r e
PortugueseBrazil		
Portuguese		
Catalan	426483138-4--	ə m p ε ɲ - ə - -
Walloon		
Friulian		
Romanian	472648713100--	i m p i n ɕ e - -

[ToThrow]

Latin	1227512053330	j a k t a: r e
French	34-200--	ʒ ə - t e - -
Spanish	-0-462728-	- e - ʃ a r -

Appendix 3 - Character File

Italian	100202027330	đ e t t a r e
PortugueseBrazil	359202728--	ʒ e j t a r - -
Portuguese	359202728--	ʒ e j t a r - -
Catalan	347-2027--	x i - t a - -
Walloon	1031-200--	đ ε - t e - -
Friulian		
Romanian		
[ToThrow]		
Latin	32271351053330	l a n k e a: r e
French	3243-14-0--	l ã - s - e - -
Spanish	32271358-2728-	l a n θ - a r -
Italian	32271346-27330	l a n ʃ - a r e
PortugueseBrazil	3245-14-27--	l ã - s - a - -
Portuguese	3245-14-2728-	l ã - s - a r -
Catalan	3541314-27--	À ə n s - a - -
Walloon	32271365-37--	l a n c - i: - -
Friulian	32271346-53--	l a n ʃ - a: - -
Romanian		
[ToThrow]		
Latin	25-3315135153330	e: - r u n k a: r e
French		
Spanish	27-332713512728-	a - r a n k a r -
Italian	2733336134627330	a r r o n ʃ a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	27-2815755127--	a - r u ŋ k a - -
[ToTie]		
Latin	327153330	l i g a: r e
French	327-0--	l i - e - -
Spanish	32012728-	l e g a r -
Italian	320127330	l e g a r e
PortugueseBrazil		
Portuguese		
Catalan	3578527--	À i y a - -
Walloon	3291237--	l ɔ j i: - -
Friulian	320-53--	l e - a: - -
Romanian	320127--	l e g a - -
[ToTie]		
Latin	27482053330	a p t a: r e
French		
Spanish	27-202728-	a - t a r -
Italian		
PortugueseBrazil	29-202728-	e - t a r -
Portuguese	29-202728-	e - t a r -
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToSew]

Latin	51213-14150330	k o : n - s u e r e
French	5115-23---36-	k u - d - - - ʁ -
Spanish	516--14-028-	k o - - s - e r -
Italian	5115--46-7330	k u - - ʃ - i r e
PortugueseBrazil	5115--49-028-	k u - - z - e r -
Portuguese	5115--49-028-	k u - - z - e r -
Catalan	5115--49-7--	k u - - z - i - -
Walloon	5172--49----	k ø : - - z - - - -
Friulian	5115--497---	k u - - z i - - -
Romanian	6539--14-0--	c ȝ a - - s - e - -

[ToCount]

Latin	5162648152053330	k o m p u t a : r e
French	5161---200--	k ò - - - t e - -
Spanish	51613--202728-	k o n - - t a r -
Italian	51613--2027330	k o n - - t a r e
PortugueseBrazil	5161---202728-	k ò - - - t a r -
Portuguese	5161---202728-	k ò - - - t a r -
Catalan	511526--2027--	k u m - - t a - -
Walloon	5161---200--	k ò - - - t e - -
Friulian	51613--2053--	k o n - - t a : - -
Romanian		

[ToCount]

Latin	2513152603353330	e : n u m e r a : r e
French	01315260360--	e n u m e ʁ e - -
Spanish	01315260282728-	e n u m e r a r -
Italian	013152603327330	e n u m e r a r e
PortugueseBrazil	01315260282728-	e n u m e r a r -
Portuguese	01315260282728-	e n u m e r a r -
Catalan	013152602827--	e n u m e r a - -
Walloon		
Friulian		
Romanian		

[ToCount]

Latin	13152603353330	n u m e r a : r e
French	1342-19360--	n ñ - b ʁ e - -
Spanish		
Italian	1361803327330	n o v e r a r e
PortugueseBrazil		
Portuguese		
Catalan	13152602827--	n u m e r a - -
Walloon		
Friulian	13152603353--	n u m e r a : - -
Romanian	131526273327--	n u m a r a - -

[ToSay]

Latin	2337510330	d i : k e r e
French	237--36-	d i - - ʁ -
Spanish	23058728-	d e θ i r -
Italian	237--330	d i - - r e
PortugueseBrazil	23749028-	d i z e r -
Portuguese	23749028-	d i z e r -
Catalan	237----	d i - - - -

Appendix 3 - Character File

Walloon	2337--36-	d i - - æ -
Friulian	2337----	d i - - - -
Romanian	497460--	z i ʃ e - -
[ToSay]		
Latin	05114482130330	e k s p o : n e r e
French		
Spanish		
Italian	--1448633-330	- - s p o r - r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	--144815130--	- - s p u n e - -
[ToSing]		
Latin	5127132053330	k a n t a : r e
French	1643-200--	ʃ ā - t e - -
Spanish	512713202728-	k a n t a r -
Italian	5127132027330	k a n t a r e
PortugueseBrazil	5145-202728-	k ĕ - t a r -
Portuguese	5145-202728-	k ĕ - t a r -
Catalan	514132027--	k ə n t a - -
Walloon	4643-200--	ʃ ā - t e - -
Friulian	6527132053--	c a n t a : - -
Romanian	5147132027--	k i n t a - -
[ToPlay]		
Latin	3221230330	l u : d e r e
French		
Spanish	321523728-	l u d i r -
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[ToPlay]		
Latin	126-5153330	j o - k a : r e
French	3-8-0--	ʒ - w - e - -
Spanish	3415-12728-	x u - g a r -
Italian	106-5127330	ʒ o - k a r e
PortugueseBrazil	36-12736-	ʒ o - g a æ -
Portuguese	315-852728-	ʒ u - ʎ a r -
Catalan	315-127--	ʒ u - g a - -
Walloon	10158-0--	ʒ u w - e - -
Friulian	101512-53--	ʒ u j - a : - -
Romanian	315-5127--	ʒ u - k a - -
[ToFloat]		
Latin	24322151201553330	f l u : k t u a : r e
French	2432225120690--	f l y k t ʎ e - -
Spanish	24321512082728-	f l u g t w a r -

Appendix 3 - Character File

Italian	24321520201527330	f l u t t u a r e
PortugueseBrazil	243215-20152736-	f l u - t u a ʁ -
Portuguese	243215-20152728-	f l u - t u a r -
Catalan	24321551201527--	f l u k t u a - -
Walloon		
Friulian		
Romanian	24321565201527--	f l u c t u a - -
[ToFloat]		
Latin	24321572053330	f l u i t a r e
French		
Spanish		
Italian	24321572027330	f l u i t a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[ToFlow]		
Latin	2432150330	f l u e r e
French	2432220--	f l y e - -
Spanish	243215728-	f l u i r -
Italian	2432157330	f l u i r e
PortugueseBrazil	24328736-	f l w i ʁ -
Portuguese	24328728-	f l w i r -
Catalan	2432157--	f l u i - -
Walloon		
Friulian		
Romanian		
[ToFlow]		
Latin	5123253330	k o l a r e
French	5115320--	k u l e - -
Spanish	516322728-	k o l a r -
Italian	5163227330	k o l a r e
PortugueseBrazil	516-2736-	k o - a ʁ -
Portuguese	5115-2728-	k u - a r -
Catalan	51156827--	k u ł a - -
Walloon	519320--	k ɔ l e - -
Friulian		
Romanian		
[ToFlow]		
Latin	05114511533330330	e k s k u r r e r e
French		
Spanish	0-14511533728--	e - s k u r i r - -
Italian	--1451633330330	- - s k o r r e r e
PortugueseBrazil	7-16516-36036-	i - ʃ k o - ʁ e ʁ -
Portuguese	7-165115-55028-	i - ʃ k u - ʁ e r -
Catalan	4-14516-334--	ə - s k o - r ə - -
Walloon		
Friulian	--14516-3337--	- - s k o - r i - -
Romanian	--14511528100--	- - s k u r ɕ e - -

Appendix 3 - Character File

[ToFlow]

Latin	511533330330	k u r r e r e
French	5115-36736-	k u - ʁ i ʁ -
Spanish	516-33028-	k o - r e r -
Italian	51633330330	k o r r e r e
PortugueseBrazil	516-36036-	k o - ʁ e ʁ -
Portuguese	5115-36028-	k u - ʁ e r -
Catalan	516-334--	k o - r ə - -
Walloon	519-557--	k ɔ - ʁ i - -
Friulian	516-337--	k o - r i - -
Romanian	511528100--	k u r ɕ e - -

[ToFreeze]

Latin	103253330	g e l a : r e
French	34320--	ʒ ə l e - -
Spanish	-0322728-	- e l a r -
Italian	1003227330	ɕ e l a r e
PortugueseBrazil	347322728-	ʒ i l a r -
Portuguese	347322728-	ʒ i l a r -
Catalan	343227--	ʒ ə l a - -
Walloon	1027320--	ɕ a l e - -
Friulian		
Romanian		

[ToFreeze]

Latin	13227-51753330	g l a - k i a : r e
French	13227-14-0--	g l a - s - e - -
Spanish		
Italian	1122720461227330	g j a t ʃ j a r e
PortugueseBrazil		
Portuguese		
Catalan	1324-14-27--	g l ə - s - a - -
Walloon		
Friulian	13227-46-53--	g l a - ʃ - a : - -
Romanian		

[ToFreeze]

Latin	7131322751753330	i n g l a k i a : r e
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	47131-052-27--	i n g - e t s - a - -

[ToSwell]

Latin	781260132053330	aʊg m e n t a : r e
French	612643-200--	o g m ɑ̃ - t e - -
Spanish	78-26013202728-	aʊ - m e n t a r -
Italian	78260132027330-	aʊm e n t a r e -
PortugueseBrazil	78126013202728-	aʊg m e n t a r -
Portuguese	78126013202728-	aʊg m e n t a r -
Catalan	27151260132027-	a u g m e n t a -

Appendix 3 - Character File

Walloon
Friulian
Romanian

[ToSwell]

Latin 713243253330
French 43-24320--
Spanish 71346-2728-
Italian 01324727330
PortugueseBrazil 44-16-2728-
Portuguese 44-16-2728-
Catalan 726243227--
Walloon 64-24320--
Friulian 013243253--
Romanian 1526243227--

i n f l a: r e
ã - f l e - -
i n ʃ - a r -
e n f i a r e
ĩ - ʃ - a r -
ĩ - ʃ - a r -
i m f l a - -
ẽ - f l e - -
e n f l a: - -
u m f l a - -

[ToSwell]

Latin -51-613243253330
French -1-61-24320--
Spanish
Italian -1-613241227330
PortugueseBrazil
Portuguese
Catalan
Walloon -1-61-24320--
Friulian 4913267524-53--
Romanian

- k - o n f l a: r e
- g - õ - f l e - -
- g - o n f j a r e
- g - õ - f l e - -
z g l o ɲ f - a: - -

[ToSwell]

Latin 7132015262514510330
French
Spanish 013201526058028--
Italian
PortugueseBrazil 44-201526014-028-
Portuguese 44-201526014-028-
Catalan
Walloon
Friulian
Romanian

i n t u m e: s k e r e
e n t u m e θ e r - -
ĩ - t u m e s - e r -
ĩ - t u m e s - e r -

[ToSwell]

Latin 5133-25145125330
French 5136827-20-36-
Spanish 5128-058-028-
Italian 5133-016160330
PortugueseBrazil 5128-014-036-
Portuguese 5128-471614028-
Catalan 5128-0-164--
Walloon
Friulian
Romanian 5128-016200--

k r - e: s k e: r e
k ɤ w a - t - ɤ -
k r - e θ - e r -
k r - e ʃ ʃ e r e
k r - e s - e ɤ -
k r - i ʃ s e r -
k r - e - ʃ ə - -
k r - e ʃ t e - -

[ToBurn]

Latin
French 193622320--
Spanish

b ɤ y l e - -

Appendix 3 - Character File

Italian	1933154627330	b r u t f a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	193621320--	b ʁ u : l e - -
Friulian	1933154953--	b r u z a : - -
Romanian		
[ToBurn]		
Latin	513302653330	k r e m a : r e
French	513627260--	k ʁ a m e - -
Spanish	51-0262728-	k - e m a r -
Italian	513302627330	k r e m a r e
PortugueseBrazil	51-602627280	k - v j m a r e
Portuguese	51-592627360	k - e j m a ʁ e
Catalan	513342627--	k r ə m a - -
Walloon		
Friulian		
Romanian		
[ToBurn]		
Latin	243227262653330	f l a m m a : r e
French	243227-260--	f l a - m e - -
Spanish		
Italian	241227262627330	f j a m m a r e
PortugueseBrazil		
Portuguese		
Catalan	246827-2627--	f l a - m a - -
Walloon		
Friulian	243227-2653--	f l a - m a : - -
Romanian		
[ToBurn]		
Latin	27332325330	a r d e : r e
French	273623-36-	a ʁ d - ʁ -
Spanish	272823028-	a r d e r -
Italian	2733230330	a r d e r e
PortugueseBrazil	273623036-	a ʁ d e ʁ -
Portuguese	292823028-	e r d e r -
Catalan		
Walloon		
Friulian		
Romanian	2728230--	a r d e - -
[ToBurn]		
Latin	24322713353330	f l a g r a : r e
French	2432271360--	f l a g ʁ e - -
Spanish	2432271282728-	f l a g r a r -
Italian	24322713327330	f l a g r a r e
PortugueseBrazil	2432271362736-	f l a g ʁ a ʁ -
Portuguese	2432271282728-	f l a g r a r -
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[ToBurn]		
Latin	7135101323-0330	i n k e n d - e r e
French	62-1443-23120--	ẽ - s ã - d j e - -
Spanish	0135801323-028-	e n θ e n d - e r -
Italian	713463113231227330	i n ʃ e n d j a r e
PortugueseBrazil	44-1401310112728-	ĩ - s e n ɔ̃ r a r -
Portuguese	44-1464-23122728-	ĩ - s ẽ - d j a r -
Catalan	4131401323--284	ə n s e n d - - r ə
Walloon		
Friulian		
Romanian	4713467132330--	i n ʃ i n d ʒ e - -
[ToBurn]		
Latin	151420153253330	u s t u l a r e
French		
Spanish		
Italian	15142063227330	u s t o l a r e
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	151420153327--	u s t u r a - -
[All]		
Latin	626132514	o m n e s
French		
Spanish		
Italian	638387-	o p n i -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[All]		
Latin	202-201514	t o : - t u s
French	2015----	t u - - -
Spanish	206-236-	t o - d o -
Italian	201520206-	t u t t o -
PortugueseBrazil	206-2315-	t o - d u -
Portuguese	206-5015-	t o - ð u -
Catalan	206-20--	t o - t - -
Walloon	209----	t ɔ - - -
Friulian	2315-20--	d u - t - -
Romanian	206-20--	t o - t - -
[Many]		
Latin	261532201514	m u l t u s
French	2615----	m u - - -
Spanish	2615-466-	m u - ʃ o -
Italian	26632206-	m o l t o -
PortugueseBrazil	269092-2015	m ã ĵ - t u
Portuguese	269092-2015	m ã ĵ - t u
Catalan	26632---	m o l - - -

Appendix 3 - Character File

Walloon		
Friulian	2663265--	m o l c - -
Romanian	26153220--	m u l t - -
[Many]		
Latin	202713201514	t a n t u s
French		
Spanish	202713206-	t a n t o -
Italian	202713206-	t a n t o -
PortugueseBrazil	2045-2015-	t ã - t u -
Portuguese	2045-2015-	t ã - t u -
Catalan	20271320--	t a n t - -
Walloon		
Friulian	20271365--	t a n c - -
Romanian		
[Some]		
Latin		
French	6-5193--	o - k œ - -
Spanish	2732115136	a l g u n o
Italian	27325115136	a l k u n o
PortugueseBrazil	278190--	a w g ã - -
Portuguese	2768190--	a ł g ã - -
Catalan	432115--	ə l g u - -
Walloon		
Friulian		
Romanian		
[Few]		
Latin	4878511514	p a ŋ k u s
French	4879---	p ø - - -
Spanish	486516-	p o k o -
Italian	489516-	p ɔ k o -
PortugueseBrazil	48685115	p o w k u
Portuguese	48685115	p o w k u
Catalan	48951--	p ɔ k - -
Walloon	4861---	p õ - - -
Friulian	48251--	p ɔː k - -
Romanian		
[Other]		
Latin	273220033-	a l t e r -
French	6-20-36-	o - t - ʁ -
Spanish	6-20-286	o - t - r o
Italian	273220-336	a l t - r o
PortugueseBrazil	6820-2815	o w t - r u
Portuguese	6820-2815	o w t - r u
Catalan	273220-284	a l t - r ə
Walloon	61-20---	õ - t - - -
Friulian	273220-337	a l t - r i
Romanian	273220---	a l t - - -
[Other]		
Latin	273271514	a l i u s
French		
Spanish		

Appendix 3 - Character File

Italian		
PortugueseBrazil	278---	a w - - -
Portuguese	2768---	a ł - - -
Catalan		
Walloon		
Friulian		
Romanian		
[Big]		
Latin	26271131514	m a g n u s
French		
Spanish	2627-386-	m a - p o -
Italian	262738386-	m a p p o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Big]		
Latin	133271323026	g r a n d e m
French	13643----	g ʁ ã - - - -
Spanish	1282713230-	g r a n d e -
Italian	1332713230-	g r a n d e -
PortugueseBrazil	12845-107-	g r ẽ - d ʒ i -
Portuguese	12845-2347-	g r ẽ - d i -
Catalan	1332713---	g r a n - - -
Walloon	13643----	g ʁ ã - - - -
Friulian	133271320--	g r a n t - -
Romanian		
[Big]		
Latin	265612233026	m a j j o: r e m
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	2627---280	m a - - - r e
[Long]		
Latin	326-1311514	l o - n g u s
French	3242-----	l ɔ̃ - - - - -
Spanish	326-1316-	l o - n g o -
Italian	3215-1316-	l u - n g o -
PortugueseBrazil	3261-115--	l õ - g u - -
Portuguese	3261-115--	l õ - g u - -
Catalan	356-75---	l o - ŋ - - -
Walloon	3261-----	l ɔ̃ - - - - -
Friulian	32151351---	l u n k - - -
Romanian	3215131---	l u n g - - -

Appendix 3 - Character File

[Long]

Latin	32273311514	l a r g u s
French	3227363--	l a ʁ ʒ - -
Spanish	322728856-	l a r y o -
Italian	32273316-	l a r g o -
PortugueseBrazil	322736115-	l a ʁ g u -
Portuguese	322728115-	l a r g u -
Catalan	35272851--	À a r k - -
Walloon		
Friulian	32273351--	l a r k - -
Romanian	3227331--	l a r g - -

[Wide]

Latin	3253201514	l a:t u s
French	320---	l e - - -
Spanish	3227206-	l a t o -
Italian	3227206-	l a t o -
PortugueseBrazil	32272015-	l a t u -
Portuguese	32272015-	l a t u -
Catalan		
Walloon		
Friulian		
Romanian	322720--	l a t - -

[Wide]

Latin	272648321514	a m p l u s
French	43-4832--	ã - p l - -
Spanish	271346-6-	a n ʃ - o -
Italian	272648126-	a m p j o -
PortugueseBrazil	45-16-15-	ẽ - ʃ - u -
Portuguese	45-16-15-	ẽ - ʃ - u -
Catalan	272648324-	a m p l ə -
Walloon		
Friulian		
Romanian		

[Thick]

Latin	51332714141514	k r a s s u s
French	13684----	g ʁ a - - - -
Spanish	12827-146-	g r a - s o -
Italian	1332714146-	g r a s s o -
PortugueseBrazil		
Portuguese	12827-1615-	g r a - ʃ u -
Catalan	12827-14--	g r a - s - -
Walloon		
Friulian	1332714---	g r a s - - -
Romanian	1332714---	g r a s - - -

[Thick]

Latin	-1448714141514	- s p i s s u s
French	0-480----	e - p e - - - -
Spanish	014480146--	e s p e s o - -
Italian	-1448014146-	- s p e s s o -
PortugueseBrazil	7144831-1415-	i s p e - s u -
Portuguese	716480-1415-	i ʃ p e - s u -
Catalan	4144831-14--	ə s p e - s - -

Appendix 3 - Character File

Walloon	-144831----	- s p ε - - - -
Friulian		
Romanian		
[Thick]		
Latin	11533231514	g u r d u s
French		
Spanish	1628236-	g o r d o -
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Thick]		
Latin	1336-14141514	g r o - s s u s
French	1366-----	g ꝛ o - - - - -
Spanish		
Italian	1339-14146-	g r o - s s o -
PortugueseBrazil	1286-1415--	g r o - s u - -
Portuguese	1286-1415--	g r o - s u - -
Catalan	1289-14---	g r o - s - - -
Walloon		
Friulian	13383114---	g r w ε s - - -
Romanian	1336-14---	g r o - s - - -
[Heavy]		
Latin	13327--8714	g r a - - w i s
French	1367123124--	g ꝛ i j ε f - -
Spanish	12827--190-	g r a - - b e -
Italian	13331--180-	g r ε - - v e -
PortugueseBrazil	12827--187-	g r a - - v i -
Portuguese	12827--1847-	g r a - - v i -
Catalan	1280--8--	g r e - - w - -
Walloon	13327--18--	g r a - - v - -
Friulian	13331--187-	g r ε - - v i -
Romanian	1280--8--	g r e - - w - -
[Heavy]		
Latin	321533231514	l u r d u s
French	321536---	l u ꝛ - - -
Spanish	32028236-	l e r d o -
Italian	32633236-	l o r d o -
PortugueseBrazil	32028236-	l e r d o -
Portuguese	32028236-	l e r d o -
Catalan		
Walloon		
Friulian		
Romanian		
[Small]		
Latin	48720207201514	p i t t i t u s
French	484-207---	p ə - t i - - -
Spanish		

Appendix 3 - Character File

Italian		
PortugueseBrazil		
Portuguese		
Catalan	48420720---	p ə t i t - - -
Walloon	487-207---	p i - t i - - -
Friulian		
Romanian		
[Small]		
Latin	48720207131514	p i t t i n u s
French		
Spanish	480-510386-	p e - k e n o -
Italian	48720467136-	p i t t i n o -
PortugueseBrazil	480-5101315-	p e - k e n u -
Portuguese	4847-5101315-	p i - k e n u -
Catalan		
Walloon		
Friulian		
Romanian	4815-52713--	p u - t s i n - -
[Small]		
Latin	487-2015321514	p i - t u l u s
French		
Spanish		
Italian	48751516326-	p i k k o l o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	487-461532--	p i - t u l - -
Romanian		
[Short]		
Latin	511533201514	k u r t u s
French	511536---	k u r - - -
Spanish	51628206-	k o r t o -
Italian	51633206-	k o r t o -
PortugueseBrazil	5115362015-	k u r t u -
Portuguese	5115282015-	k u r t u -
Catalan	51152820--	k u r t - -
Walloon	512136---	k u r - - -
Friulian	51153320--	k u r t - -
Romanian		
[Short]		
Latin	193308714	b r e w i s
French	19363124--	b r e f - -
Spanish	19280190-	b r e b e -
Italian	193331180-	b r e v e -
PortugueseBrazil	192831187-	b r e v i -
Portuguese	1928311847-	b r e v i -
Catalan	192808--	b r e w - -
Walloon	1936024--	b r e f - -
Friulian		
Romanian		

Appendix 3 - Character File

[Narrow]

Latin	271311514201514	a n g u s t u s
French		
Spanish	27131614206-	a n g o s t o -
Italian	271311514206-	a n g u s t o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	47751151420--	i ŋ g u s t - -

[Narrow]

Latin	-142033-7-51201514	- s t r - i - k t u s
French	0-2036827-----	e - t ʁ w a - - - -
Spanish	0142028-0--466-	e s t r - e - - ʃ o -
Italian	-142033-0-20206-	- s t r - e - t t o -
PortugueseBrazil	7142028-59--2015-	i s t r - ej - - t u -
Portuguese	47162028-60--2015-	i ʃ t r - ej - - t u -
Catalan	4142028-31--20--	ə s t r - ε - - t - -
Walloon	-142036-72-----	- s t ʁ - ø: - - - -
Friulian	-142033-31--20--	- s t r - ε - - t - -
Romanian	-142033-4726-20--	- s t r - i m - t - -

[Thin]

Latin	2671321-201514	m i n u: - t u s
French	2641322----	m ə n y - - - -
Spanish	2601315-236-	m e n u - d o -
Italian	2671315-206-	m i n u - t o -
PortugueseBrazil	267-15-2315-	m i - u - d u -
Portuguese	267-15-5015-	m i - u - ð u -
Catalan	2641315-20--	m ə n u - t - -
Walloon	2671315----	m i n u - - - -
Friulian	2671321-20--	m i n u: - t - -
Romanian	26433151320--	m ə r u n t - -

[Thin]

Latin	23253275153201514	d e: l i k a: t u s
French	2321--325---	d u: - - ʒ e: - - -
Spanish	23032-8527506-	d e l - γ a ð o -
Italian	2303275127206-	d e l i k a t o -
PortugueseBrazil	2308-1272315-	d e w - g a d u -
Portuguese	233168-85275015-	d ε ł - γ a ð u -
Catalan	234327512720--	d ə l i k a t - -
Walloon		
Friulian		
Romanian		

[Thin]

Latin	141519203732026	s u b t i: l e m
French		
Spanish	1415-20732--	s u - t i l - -
Italian	14620207320-	s o t t i l e -
PortugueseBrazil	1415-4678--	s u - ʃ i w - -
Portuguese	1415-4678--	s u - ʃ i w - -
Catalan	14154820732--	s u p t i l - -

Appendix 3 - Character File

Walloon	1421-207---	s u: - t i - - -
Friulian	1415-203732--	s u - t i: l - -
Romanian	141519527330-	s u b t s i r e -
[Warm]		
Latin	5127327231514	k a l i d u s
French	166-----	f o - - - - -
Spanish	512732-236-	k a l - d o -
Italian	512732-236-	k a l - d o -
PortugueseBrazil	51278--2315	k a w - - d u
Portuguese	512732-2315-	k a l - d u -
Catalan	512768----	k a ł - - - -
Walloon	4661-----	ʃ ō - - - - -
Friulian	652732-20--	c a l - t - -
Romanian	512732-23--	k a l - d - -
[Cold]		
Latin	2433-3717231514	f r - i: g i d u s
French	2436827-----	f ʁ w a - - - - -
Spanish	2428-7---6-	f r - i - - - o -
Italian	2433-023-236-	f r - e d - d o -
PortugueseBrazil	2428-7---15-	f r - i - - - u -
Portuguese	2428-7---15-	f r - i - - - u -
Catalan	2428-31--20--	f r - ε - - t - -
Walloon	2455831-----	f ʀ w ε - - - - -
Friulian	2433-25--20--	f r - e: - - t - -
Romanian		
[Cold]		
Latin	33051-01320026	r e k - e n t e m
French		
Spanish	3305812013200-	r e θ j e n t e -
Italian	33046-3113200-	r e ʃ - ε n t e -
PortugueseBrazil	36014-64-467-	ʁ e s - ě - ʃ i -
Portuguese	36014-64-467-	ʁ e s - ě - ʃ i -
Catalan		
Walloon		
Friulian	33052-71320--	r e t s - i n t - -
Romanian	33046-0----	r e ʃ - e - - - -
[Full]		
Latin	483225131514	p l e: n u s
French	483262---	p l ě - - - -
Spanish	-350136-	- λ e n o -
Italian	481257136-	p j ε: n o -
PortugueseBrazil	16-60-15-	ʃ - vj - u -
Portuguese	16-60-15-	ʃ - vj - u -
Catalan	486831---	p ł ε - - - -
Walloon	483264---	p l ě - - - -
Friulian	48323113--	p l ε n - -
Romanian	4832713--	p l i n - -
[New]		
Latin	13-681514	n - o w u s
French	13-15186-	n - u v o -
Spanish	1380676-	n w e β o -

Appendix 3 - Character File

Italian	13-9186-	n - ɔ v o -
PortugueseBrazil	13-61815-	n - o v u -
Portuguese	13-61815-	n - o v u -
Catalan	13-98--	n - ɔ w - -
Walloon	13-91831-	n - ɔ v ɛ -
Friulian	38-2124--	ɲ - u: f - -
Romanian	13-68--	n - o w - -
[Old]		
Latin	8-02015321514	w - e t u l u s
French	181279-----	v j ø - - - -
Spanish	19120346---	b j e x o - - -
Italian	18-3151-51126	v - ɛ k - k j o
PortugueseBrazil	18-60--3515-	v - ɐj - - ɰ u -
Portuguese	18-0--3515-	v - e - - ɰ u -
Catalan	18-0--35--	v - e - - ɰ - -
Walloon	1837-----	v i: - - - - -
Friulian	18120---7-	v j e - - - i -
Romanian	18-081----	v - e k' - - - -
[Good]		
Latin	19-6131514	b - o n u s
French	19-61---	b - ɔ̃ - - -
Spanish	1980136-	b w e n o -
Italian	19873136-	b w ɔ: n o -
PortugueseBrazil	19-61---	b - ɔ̃ - - -
Portuguese	19-61---	b - ɔ̃ - - -
Catalan	19-913--	b - ɔ n - -
Walloon	19-61---	b - ɔ̃ - - -
Friulian	19-913--	b - ɔ n - -
Romanian	19-1513--	b - u n - -
[Bad]		
Latin	2627321514	m a l u s
French	262732--	m a l - -
Spanish	2627326-	m a l o -
Italian	2627326-	m a l o -
PortugueseBrazil	26278--	m a w - -
Portuguese	26278--	m a w - -
Catalan	262732--	m a l - -
Walloon	2673---	m ɔ: - - -
Friulian	265332--	m a: l - -
Romanian		
[Rotten]		
Latin	481520337231514	p u t r i d u s
French		
Spanish	48650287506-	p o ð r i ð o -
Italian	481520337236-	p u t r i d o -
PortugueseBrazil		
Portuguese		
Catalan	48155028720--	p u ð r i t - -
Walloon		
Friulian		
Romanian	48152033023--	p u t r e d - -

Appendix 3 - Character File

[Rotten]

Latin	48152033026	p u t r e m
French		
Spanish	48650280-	p o ð r e -
Italian		
PortugueseBrazil	48623287-	p o d r i -
Portuguese	486502847-	p o ð r i -
Catalan		
Walloon		
Friulian		
Romanian		

[Dirty]

Latin	14633237231514	s o r d i d u s
French		
Spanish	14628237236-	s o r d i d o -
Italian	14933237236-	s o r d i d o -
PortugueseBrazil	149282372315-	s o r d i d u -
Portuguese	149282372315-	s o r d i d u -
Catalan		
Walloon		
Friulian		
Romanian		

[Dirty]

Latin	-14481533651514	- s p u r c u s
French		
Spanish		
Italian	-1448933516-	- s p o r k o -
PortugueseBrazil	7144815285115-	i s p u r k u -
Portuguese	7164815285115-	i f p u r k u -
Catalan		
Walloon		
Friulian	-144893351--	- s p o r k - -
Romanian	-1448153351--	- s p u r k - -

[Straight]

Latin	233733-2551201514	d i r - e : k t u s
French	23-36827----	d - w a - - - -
Spanish		
Italian	23-33-720206-	d - r - i t t o -
PortugueseBrazil	10728-59-2015-	ð i r - e j - t u -
Portuguese	23728-60-2015-	d i r - e j - t u -
Catalan	23-28-31-20--	d - r - e - t - -
Walloon	23-33-72----	d - r - ø : - - - -
Friulian	23-33-31-20--	d - r - e - t - -
Romanian	23-33-04820--	d - r - e p t - -

[Round]

Latin	336201513231514	r o t u n d u s
French	3661-----	ø - - - - -
Spanish	33023613236-	r e d o n d o -
Italian	33720613236-	r i t o n d o -
PortugueseBrazil	3602361-2315-	ø e d ö - d u -
Portuguese	36472361-2315-	ø i d ö - d u -
Catalan	334236----	r ə d o - - - -

Appendix 3 - Character File

Walloon	3361-----	r õ - - - - -
Friulian	20273391320--	t a r ɔ̃ n t - -
Romanian	33420151323--	r ə t u n d - -
[SharpAsAKnife]		
Latin	275121201514	a k u:t u s
French		
Spanish	278515506-	a γ u ð o -
Italian		
PortugueseBrazil		
Portuguese	2985155015-	ɐ γ u ð u -
Catalan	411520--	ə g u t - -
Walloon		
Friulian		
Romanian		
[DullAsAKnife]		
Latin	40019020026	h e b e t e m
French		
Spanish		
Italian	31190200--	ɛ b e t e - -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[DullAsAKnife]		
Latin	3302021141514	r e t u:s u s
French		
Spanish		
Italian	3302015496-	r e t u z o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[Smooth]		
Latin	1415538026	s u a:w e m
French		
Spanish		
Italian	14627180-	s o a v e -
PortugueseBrazil		
Portuguese		
Catalan	1415278--	s u a w - -
Walloon		
Friulian		
Romanian		
[Smooth]		
Latin	137207231514	n i t i d u s
French	133120----	n ɛ t - - - -
Spanish	137507-6-	n i ð i - o -

Appendix 3 - Character File

Italian	13020-206-	n e t - t o -
PortugueseBrazil	13311015---	n ε ð u - - -
Portuguese	13311015---	n ε ð u - - -
Catalan	133120----	n ε t - - - -
Walloon		
Friulian	133120----	n ε t - - - -
Romanian	13020023--	n e t e d - -
[Wet]		
Latin	21267231514	u: m i d u s
French		
Spanish		
Italian	15267236-	u m i d o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian	1526723--	u m i d - -
Romanian	1526023--	u m e d - -
[Wet]		
Latin	21231514	u: d u s
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian	1523--	u d - -
[Dry]		
Latin	14751511514	s i k k u s
French	1431-51--	s ε - k - -
Spanish	140-516-	s e - k o -
Italian	14051516-	s e k k o -
PortugueseBrazil	140-5115-	s e - k u -
Portuguese	140-5115-	s e - k u -
Catalan	143151---	s ε k - - -
Walloon	143146---	s ε ʃ - - -
Friulian	1431-51--	s ε - k - -
Romanian	14051---	s e k - - -
[Correct]		
Latin	51633332551201514	k o r r e: k t u s
French		
Spanish		
Italian	5163333020206-	k o r r e t t o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[Near]		
Latin	4833651147--261514	p r o k s i - - m u s
French		
Spanish	4828634-7--266-	p r o x - i - - m o -
Italian	4833914147--266-	p r o s s i - - m o -
PortugueseBrazil	48286147--2615--	p r o s i - - m u - -
Portuguese	48286147--2615--	p r o s i - - m u - -
Catalan	48286---749260-	p r o - - - i z m e -
Walloon		
Friulian	48336-147--26--	p r o - s i - - m - -
Romanian		
[Near]		
Latin	27234833648330	a d p r o p r e
French		
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan	4-4828948--	ə - p r o p - -
Walloon		
Friulian		
Romanian	27-48333948-0	a - p r o a p - e
[Near]		
Latin	4833014141514	p r e s s u s
French	48360----	p r e - - - -
Spanish		
Italian	48333114146-	p r e s s o -
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	483331----	p r e - - - -
Friulian		
Romanian		
[Near]		
Latin	8-375137131514	w - i : k i : n u s
French	188274962---	v w a z ě - - -
Spanish	19-0587136-	b - e θ i n o -
Italian	18-7467136-	v - i ʃ i n o -
PortugueseBrazil	18-74973815-	v - i z i ɲ u -
Portuguese	18-74973815-	v - i z i ɲ u -
Catalan	19-4-7---	b - ə - i - - -
Walloon	18-7364---	v - i ʒ ě - - -
Friulian	18-746713--	v - i ʃ i n - -
Romanian	18-046713--	v - e ʃ i n - -
[Near]		
Latin	517335127	k i r k a
French	580285127	θ e r k a
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		

Appendix 3 - Character File

Walloon
Friulian
Romanian

[Far]

Latin		
French	32862-2062--	l w ě - t ě - -
Spanish		
Italian	32-6132027136	l - o n t a n o
PortugueseBrazil		
Portuguese		
Catalan	35-15132027--	Á - u n t a - -
Walloon		
Friulian	32-613202713-	l - o n t a n -
Romanian		

[Right]

Latin	23-0511420331526	d - e k s t r u m
French		
Spanish	23120-1420286-	d j e - s t r o -
Italian	23-31-1420336-	d - ε - s t r o -
PortugueseBrazil	23-31-14202815-	d - ε - s t r u -
Portuguese	23-31-16202815-	d - ε - ∫ t r u -
Catalan	23-0-1420284-	d - e - s t r ə -
Walloon		
Friulian	23120-1420337-	d j e - s t r i -
Romanian		

[Left]

Latin	14713-71420331526	s i n - i s t r u m
French	14413-31142036--	s ə n - ε s t ʁ - -
Spanish	147131201420286-	s i n j e s t r o -
Italian	14713-01420336-	s i n - e s t r o -
PortugueseBrazil	14---3116202815-	s - - - ε ∫ t r u -
Portuguese	14---3116202815-	s - - - ε ∫ t r u -
Catalan		
Walloon		
Friulian	14738-01420337-	s i ɲ - e s t r i -
Romanian		

[Red]

Latin	331514141514	r u s s u s
French	3615----	ʁ u - - -
Spanish	336-346-	r o - x o -
Italian	33614146-	r o s s o -
PortugueseBrazil	366-1694-	ʁ o - ∫ ʊ -
Portuguese	366-1615-	ʁ o - ∫ u -
Catalan	336-14--	r o - s - -
Walloon		
Friulian	339-14--	r ɔ - s - -
Romanian	286-1615-	r o - ∫ u -

[Red]

Latin	180332675115321514	v e r m i k u l u s
French	1831362686----	v ɛ ʁ m ɛ j - - - -
Spanish	19028260346---	b e r m e x o - - -

Appendix 3 - Character File

Italian	1803326735-356-	v e r m i ʌ - ʌ o -
PortugueseBrazil	18036260--3515-	v e ʁ m e - - ʌ u -
Portuguese	1847282660--3515-	v i r m ə j - - ʌ u -
Catalan	194332631--35--	b ə r m ε - - ʌ - -
Walloon		
Friulian		
Romanian		
[Red]		
Latin	3315-1901514	r u - b e u s
French	3615-3---	ʁ u - ʒ - - -
Spanish	3315-19126-	r u - b j o -
Italian	3391919126-	r ɔ b b j o -
PortugueseBrazil	3315-1906-	r u - b e o -
Portuguese	3315-1906-	r u - b e o -
Catalan	3315-100--	r u - dʒ e - -
Walloon	339-46---	r ɔ - tʃ - - -
Friulian		
Romanian	3317-19---	r o j - b - - -
[Green]		
Latin	8733723026	w i r i d e m
French	18036----	v e ʁ - - - -
Spanish	19028-230-	b e r - d e -
Italian	18033-230-	v e r - d e -
PortugueseBrazil	18028-2347-	v e r - d i -
Portuguese	18028-2347-	v e r - d i -
Catalan	183128-20--	v ε r - t - -
Walloon	183136----	v ε ʁ - - - -
Friulian	183133-20--	v ε r - t - -
Romanian	18028-230-	v e r - d e -
[Yellow]		
Latin	12732197131514	g a l b i n u s
French	36---13--	ʒ o - - - n - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	1031---13--	dʒ ε - - - n - -
Friulian		
Romanian	1273219013--	g a l b e n - -
[Yellow]		
Latin	27262733032321514	a m a r e l l u s
French		
Spanish	272627287-56-	a m a r i - j o -
Italian		
PortugueseBrazil	2926272831-3215-	e m a r ε - l u -
Portuguese	2926292831-3215-	e m ε r ε - l u -
Catalan		
Walloon		
Friulian		
Romanian		

Appendix 3 - Character File

[Yellow]

Latin	513365101514	k r o k e u s
French		
Spanish		
Italian	513364606-	k r o f f e o -
PortugueseBrazil		
Portuguese		
Catalan	128951---	g r o k - - -
Walloon		
Friulian		
Romanian		

[White]

Latin	2732191514	a l b u s
French		
Spanish	2732196-	a l b o -
Italian	2732196-	a l b o -
PortugueseBrazil	2781815-	a w v u -
Portuguese	27321815-	a l v u -
Catalan	273219--	a l b - -
Walloon		
Friulian		
Romanian	273219--	a l b - -

[One]

Latin	21131526	u: n u m
French	93---	œ - - -
Spanish	15136-	u n o -
Italian	15136-	u n o -
PortugueseBrazil	90---	ũ - - -
Portuguese	90---	ũ - - -
Catalan	1513--	u n - -
Walloon	61---	õ - - -
Friulian	1575--	u ŋ - -
Romanian	151315-	u n u -

[Two]

Latin	2315214	d u o: s
French	23-79-	d - ø -
Spanish	23-614	d - o s
Italian		
PortugueseBrazil	23-1714	d - o j s
Portuguese	23-1716	d - o j f
Catalan	23-614	d - o s
Walloon	23-72-	d - ø: -
Friulian	23-17-	d - o j -
Romanian	23-17-	d - o j -

[Two]

Latin	2315-56	d u - a j
French		
Spanish		
Italian	2315-0	d u - e
PortugueseBrazil		
Portuguese		
Catalan		

Appendix 3 - Character File

Walloon		
Friulian		
Romanian	23684	d o w ə
[Two]		
Latin	23152714	d u a s
French		
Spanish		
Italian		
PortugueseBrazil	23152914	d u ɐ s
Portuguese	23152916	d u ɐ ʃ
Catalan		
Walloon		
Friulian		
Romanian		
[Three]		
Latin	2033-2514	t r - e: s
French	2036884-	t ʁ w a -
Spanish	2028-014	t r - e s
Italian	2033-0-	t r - e -
PortugueseBrazil	2028-014	t r - e s
Portuguese	2028-016	t r - e ʃ
Catalan	2033-3114	t r - ɛ s
Walloon	2033-72-	t r - ø: -
Friulian	2033-25-	t r - e: -
Romanian	2033-59-	t r - ej -
[Four]		
Latin	87-2720208633-	k ^w - a t t w o r -
French	51-27-20--36-	k - a - t - - ʁ -
Spanish	51827-20--286	k w a - t - - r o
Italian	518272020--336	k w a t t - - r o
PortugueseBrazil	51827-20--2815	k w a - t - - r u
Portuguese	51827-20--2815	k w a - t - - r u
Catalan	51827-20--284	k w a - t - - r ə
Walloon	51827-20----	k w a - t - - -
Friulian	51827-20--337	k w a - t - - r i
Romanian	48-27-20--3315	p - a - t - - r u
[Five]		
Latin	87371387-0	k ^w i: n k ^w - e
French	1464-51--	s ẽ - k - -
Spanish	5871351-6	θ i n k - o
Italian	467755180	ʃ i ŋ k w e
PortugueseBrazil	1444-51-15	s i - k - u
Portuguese	1444-51-15	s i - k - u
Catalan	1477551--	s i ŋ k - -
Walloon	1464-51--	s ẽ - k - -
Friulian	4677551--	ʃ i ŋ k - -
Romanian	4671346--	ʃ i n ʃ - -
[Here]		
Latin	-051511526403751	- e k k u m h i: k
French	7--14---7-	i - - s - - - i -
Spanish	-27-51---7-	- a - k - - - i -

Appendix 3 - Character File

Italian	---518--7-	- - - k w - - i -
PortugueseBrazil	-27-51---7-	- a - k - - - i -
Portuguese	-29-51---7-	- e - k - - - i -
Catalan	-27-51---7-	- a - k - - - i -
Walloon		
Friulian	-27-51---7-	- a - k - - - i -
Romanian		
[There]		
Latin	732325351	i l l a: k
French	--3227-	- - l a -
Spanish	27-527-	a - j a -
Italian	--3227-	- - l a -
PortugueseBrazil	--3227-	- - l a -
Portuguese	--3227-	- - l a -
Catalan	4-3527-	ə - ʎ a -
Walloon	--3227-	- - l a -
Friulian		
Romanian	--3227-	- - l a -
[There]		
Latin	71937	i b i:
French		
Spanish		
Italian	-187	- v i
PortugueseBrazil		
Portuguese		
Catalan		
Walloon		
Friulian		
Romanian		
[There]		
Latin		
French		
Spanish	277	a i
Italian		
PortugueseBrazil	277	a i
Portuguese	297	e i
Catalan		
Walloon		
Friulian		
Romanian		
[Who]		
Latin	87-714	k ^w - i s
French	51-7-	k - i -
Spanish		
Italian	51-7-	k - i -
PortugueseBrazil		
Portuguese		
Catalan	51-7-	k - i -
Walloon	51-37-	k - i: -
Friulian	5187-	k w i -
Romanian		

Appendix 3 - Character File

[Who]		
Latin	87-026-	k ^w - e m -
French		
Spanish	5112013-	k j e n -
Italian		
PortugueseBrazil	51-41--	k - ěj - -
Portuguese	51-54--	k - ẽj - -
Catalan		
Walloon		
Friulian		
Romanian	46-7130	ʦj - i n e
[What]		
Latin	87-723	k ^w - i d
French	51827-	k w a -
Spanish	51-0-	k - e -
Italian	51-0-	k - e -
PortugueseBrazil	51-7-	k - i -
Portuguese	51-47-	k - i -
Catalan	51-31-	k - ε -
Walloon	51857-	k w ε: -
Friulian	46-0-	ʦj - e -
Romanian	46-0-	ʦj - e -
[When]		
Latin	87-2713232	k ^w - a n d o:
French	51-43---	k - ã - - -
Spanish	5182713236	k w a n d o
Italian	5182713236	k w a n d o
PortugueseBrazil	51845-2315	k w ẽ - d u
Portuguese	51845-2315	k w ẽ - d u
Catalan	5182713--	k w a n - -
Walloon	518271323-	k w a n d -
Friulian	518271320-	k w a n t -
Romanian	51-471323-	k - i n d -
[How]		
Latin	872266236	k ^w o: m o d o
French	5192643--	k ɔ m ã - -
Spanish	516266--	k o m o - -
Italian	516260--	k o m e - -
PortugueseBrazil	5162615--	k o m u - -
Portuguese	5162615--	k o m u - -
Catalan	51926---	k ɔ m - - -
Walloon	5192662--	k ɔ m ẽ - -
Friulian	460262120-	ʦj e m u: t -
Romanian	511526---	k u m - - -
[Not]		
Latin	13213	n o: n
French	1342-	n ɔ̃ -
Spanish	136-	n o -
Italian	13613	n o n
PortugueseBrazil	1363-	n ẽw̃
Portuguese	1363-	n ẽw̃
Catalan	136-	n o -

Appendix 3 - Character File

Walloon	1342-	n õ -
Friulian	136-	n o -
Romanian	1315-	n u -
[Not]		
Latin	13051	n e k
French	137-	n i -
Spanish	137-	n i -
Italian	130-	n e -
PortugueseBrazil	1341-	n ëj -
Portuguese	1354-	n ëj -
Catalan	137-	n i -
Walloon	1364-	n ë -
Friulian		
Romanian		
[At]		
Latin	2723	a d
French	27-	a -
Spanish	27-	a -
Italian	27-	a -
PortugueseBrazil	27-	a -
Portuguese	29-	e -
Catalan	27-	a -
Walloon	27-	a -
Friulian	27-	a -
Romanian	27-	a -
[In]		
Latin	713	i n
French		
Spanish	013	e n
Italian	713	i n
PortugueseBrazil	41-	ëj -
Portuguese	54-	ëj -
Catalan	413	ə n
Walloon		
Friulian		
Romanian	4713	i n
[In]		
Latin	230713201514	d e i n t u s
French	2343-----	d ã - - - -
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan	237-13--14	d i - n - - s
Walloon		
Friulian		
Romanian		
[With]		
Latin	511526	k u m
French		
Spanish	51613	k o n

Appendix 3 - Character File

Italian	51613	k o n
PortugueseBrazil	5161-	k õ -
Portuguese	5161-	k õ -
Catalan		
Walloon		
Friulian		
Romanian	5115-	k u -
[With]		
Latin	271940665	a b h o c
French	2718-051	a v - e k
Spanish		
Italian		
PortugueseBrazil		
Portuguese		
Catalan		
Walloon	2718-15-	a v - u -
Friulian		
Romanian		
[And]		
Latin	020	e t
French	0-	e -
Spanish	7-	i -
Italian	0-	e -
PortugueseBrazil	7-	i -
Portuguese	7-	i -
Catalan	7-	i -
Walloon	31-	ε -
Friulian	0-	e -
Romanian	0-	e -
[And]		
Latin	143751	s i: k
French	147-	s i -
Spanish	147-	s i -
Italian	147-	s i -
PortugueseBrazil	1444-	s ã -
Portuguese	1444-	s ã -
Catalan	147-	s i -
Walloon	147-	s i -
Friulian	147-	s i -
Romanian	167-	f i -
[Because]		
Latin	87623	kʷo d
French	514-	k ə -
Spanish	510-	k e -
Italian	510-	k e -
PortugueseBrazil	517-	k i -
Portuguese	5147-	k i -
Catalan	514-	k ə -
Walloon	5137-	k i: -
Friulian	510-	k e -
Romanian	514-	k ə -
;		

Appendix 3 - Character File

end;