

Four-part barbershop music



188

T. when I've found the day to bid fare - well out there. So

L. So

Bar. when I've found the day to bid fare - well out there. So

B. tale. Out there. So

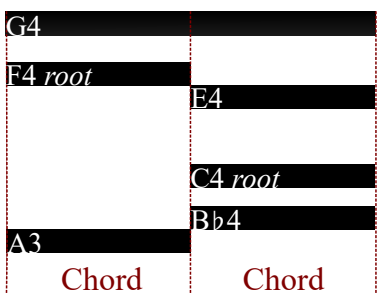
Human tagger

Input in .txt

```
En7(en3c,gn4,en4c,gn4)240
Anm(en3t,cn4,en4t,an4)240
Anm(en3,cn4,en4t,an4)1920
Cn7(a#3t,,en4t,)480
Cn7(a#3t,cn4t,en4t,)480
Cn7(a#3,cn4,en4t,f#4)960
EnM(bn3,g#4t,en4t,bn4t)1920
EnM(en3,g#4,en4,bn4)960
An7(en3,c#4,an3,gn4)960
```

Parser

Internal data
structure



G4

F4 *root*

E4

C4 *root*

Bb4

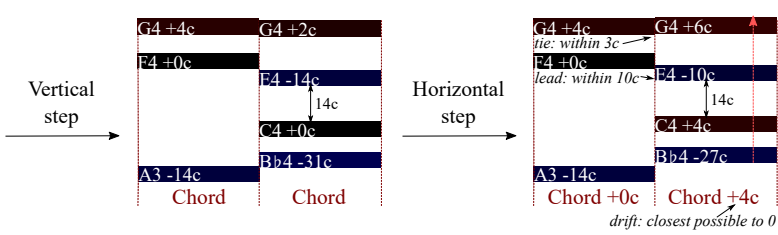
A3

Chord

Chord

Main algorithm

Tuned internal data structure



Vertical step

Horizontal step

G4 +4c

F4 +0c

C4 +0c

A3 -14c

Chord

G4 +2c

F4 -14c

C4 +0c

Bb4 -31c

Chord

G4 +4c

F4 +0c

C4 +4c

A3 -14c

Chord +0c

G4 +6c

F4 -10c

C4 +4c

Bb4 -27c

Chord +4c

tie: within 3c

lead: within 10c

drift: closest possible to 0

DryWetMidi integration

Tuned MIDI



C4

C3