triad spelling, ₹0.25, 5.75, 7.753

A=0°.25 BM BHHI CT C+1 DOBY DOBL B= 5.75 EHM EXT FAT FAT GOT GL C= 7.75 G+1 G#1 ABT Abl

· example procedure

por Em E. 1. choose ordering A=0.25 B = 5.75 C= 175

2- possible spellings for A B#1, BH, C1 C+4,) , Dbbt Ddb

3. assess possibilities enharmonia (Rn2) =1 B#1 BHHJ Rn3, Rn4 (3q-stap) = 2 Rn3 > atstets DbbT = | DdbL Rm3, Rn4 = 2.

G=\$

A. order by increasing cost (CT, B#1, C+1, DWT, B+1, DULL)

5, add: lowest-cost sp. to graph G=((1)

((G)=cost(G)=0

6-poss. spellings for B EHMY END FATFAL Gd1 G1

7. assess possibilities (AB, B)

rules (B) rules (AB) Sp. aug (Rez) x1 Rns, Rna (1 EHT local Rez* 2, Rqz (et conflict) F×レ RnI (Rnz) F#1 Resx1, Rgz FHL. Rez*1 GAT Rus, Rug Rgz, Res x1 ? Gh

8. order pr .

(F#1, Gb), Gb1, F#1, E#1, Ex1) * error! cost should be

2 because (F#1,61) is + ang.

9 add first to graph

G= (G1, F+1)

C(6) = 1

10. poss. spellings for C GET GHL Adby Abl

C, F#1 G#1

11. assess (AC, BC, C, ABC) C'SILAC BC 1/0 Resxl 1/1

Rn3, Rn4 . Rein1 Adbt Abl

Rezri

12-order

(G+1, G#4, Abti, Adda') 1/0 1/1 1/2 3/1

13. add first to graph

G= (L1, F+1, G+P)

C(G)=2

14. capitate parassisters issince this is the first graph

thresh = 6 max = 2 min cost = Cmin = 2

min-cost graphs= Gbest = [(C1, F + 1, G + 1)]

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17. pash the next
                                        16. pop back up and consider.
 15. pap back up and consider
                                               other spellings for B=5.75
                                                                                 lowest-cost spelling
      other spelling, for C=7.75
                                          (EXT, Gbt, GBT, F#4, FHTP, EXU)
 total (GAT, GHL, About, Abbat)
cost: (2) 3 9 5.
                                                                                 6= (CT, 644)
                                      total: (1) 2 3 3 3 4
                                                                                 ((6)=Z

Emax, > Cmax,

can be won't be explored

explored
              > Cmax,
don't explore
                                                  19. order
18. assess possibilities for C
                                                                            20. and first to graph
      sp C AC
                                 ABC
                         BC
                                        C03+
                                                   (iAbil, Adb7, G+1, G#1)
                                                                                G=(C1, Gbt, Ab L)
                                Rg, Rgz
                                         2/2'
  CTGGG G # 1
                                                   0/1 2/1 2/2 2/2
                                 Rq1, Rgz
                                         2/12
                                                                                 C(6)= 2
       Adb1 Rn3, Rn4
                                         2/110
       ABL
                                         0/11
                                 R12, = 4
                                                Kgz only
                                               applies once,
                                              So the total
                                               cost is 2
21. update parameters
                                                22. pop up.
                                                     (no more spellings for C to consider)
   Gbest = [(Ct, F$T, G$T), (CT, GbL, Abl)]
                                                      G=(C1,6b4)
                                                                               25. add next to graph
                                   24. pop up. consider spellings for A
23. pop up .a, '
    No more sp(B) to consider
                                       (CT, B#T, C+1, DbbT, B+++1, Ddb t)
                                                                                 G=(B#1)
      G=(C1)
                                                                                  C(G)=1
                                            27. order
26. assessi(B, AB)
                                                                                  28. pop up. consider(A)
                     AB
                          (AB)
                                   cost
                                                (F+1, F#4, Ex4, E++1, Gdb1, GbL)
                                                                                    (C+1, D667, B++1, D464)
 BAT EMM
             Rn3 Rn4 Regal
                                   3/1
      EXL
                    Resal
             Ryi
                                    210
       F + 1
                   Resal Roz
       FHL
             Rus Rus Res 2 Rgs Rg, Res,
                                                                                     (G=Ø)
       Gdbt
       Gbl
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30. assess (B, AD)
 29, and next
                                                               31. order
                                         AB
                                               (AB)
                                                       105+
     G=(C$4)
                        C+L EHM
                                                             (F#1, Gb1, ... )
(ost: 2 > Cmar
                                                       41
                                    3,4
                                         Regaz
                             E×↓
                                         Rezxz
      C(G)=1
                             F# 1
                                         ResxI
                             FHU
                                         Reser
                                               Rgz Ra,
                                         Rox1
                             Gdb1
                                    3,4
                                               14,
                                         Reser
                             Gb V
                                                          34. order
                                                                             36 ... update params
  32. add
                        33. assess (C, AC, BC, ABC)
                             (any broken rule disqualities)
                                                            (G#4, --- )
                                                                             Guest:
     (=(C$1,F#4)
                         CAF#1 GAT (Rg2)
                                                               2 > Cmax [((C1, F$1, G$1);
                              G#L 0
     ((6)=2
                               Adot (Res)
                                                                            (C$4, F#4, G#4)]
                                                          35. add
                               Abt (Rey)
                                                           G=(($F#$,"6#4)
                                                               ((6)=2
                                                                    Al. assess (B, AB) (2 broken=out)
                           39. pop-up. consider A
                                                     40. add
 37. pop up. no more C sp.
                                                                    DEN EHR Rus Rus
                              (Dbb1, BHL, Ddbl)
                                                        G=(D667)
 38. pop up. nor more Bsp.
                                  1 2 2
5 Cmax
                                                                         Ext Rni
                                                        C(G)=1
                                 G=Ø
                                                            45. assess (B, AB) (1 broken = ont)
                                            44. add
42. order
                 43. pop up, consider A
                      (BHI, Ddbl)

2

Scmar
    (...)
>cmax
                                              G=(B#1)
                                                              BHIL EHT Rus, Rug
                                                                    Ext Rm
                                              ((G)=Z
                                                                    F#
                                                                    Cottot RmgA
                                      48, add
            47. popup. consider A
                                                    49. assess (B, AB) (1 brother = out)
 46. order
                                                        Deble Ett Rgi
                                      G=(DdbL)
                (DdbV)
2
5
Cmax
                                                             GOT Res
                                     C(C)=2
                                                                  53. return spellings
                                       52. pop up: done with
              $1. pop up. consider A
  50, order
                                                                      with minimal cost
                                             recursive search!
                                                                 ^ Gbest = [(C1, F#1, G#1),
                                                                             (C+4, F+4, G+6)]
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EUST