(full syllable weight calc):

=IF(NUCLEUS\_WEIGHT=0,

0,

(SUM(ALL\_ONSET\_WEIGHTS)/(COUNT(ALL\_ONSET\_WEIGHTS)\*MAX\_NOTE\_WEIGHT))

)

+IF(OR(FIRST\_CODA\_WEIGHT=0,FIRST\_ONSET\_WEIGHT=0),

IF(NUCLEUS\_WEIGHT>NOTE\_WEIGHT,

NOTE\_WEIGHT,

NUCLEUS\_WEIGHT

),

NUCLEUS\_WEIGHT

)

+(SUM(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS)/(COUNT(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS)\*MAX\_NOTE\_WEIGHT))

-IF(NEXT\_LEADING\_ONSET\_WEIGHT=0,

IF(OFFSET(THIS\_TRAILING\_CODA\_WEIGHT,0,-COUNTIF(THIS\_ALL\_CODA\_WEIGHT,0))=THIS\_FIRST\_CODA\_WEIGHT,

IF(NUCLEUS\_WEIGHT>1,

(NUCLEUS\_WEIGHT-1)+((OFFSET(THIS\_TRAILING\_CODA\_WEIGHT,0,-COUNTIF(THIS\_ALL\_CODA\_WEIGHT,0)))/((COUNT(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS)-COUNTBLANK(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS))\*MAX\_NOTE\_WEIGHT)),

OFFSET(THIS\_TRAILING\_CODA\_WEIGHT,0,-COUNTIF(THIS\_ALL\_CODA\_WEIGHT,0))/ ((COUNT(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS)-COUNTBLANK(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS))\*MAX\_NOTE\_WEIGHT)

),

OFFSET(THIS\_TRAILING\_CODA\_WEIGHT,0,-COUNTIF(THIS\_ALL\_CODA\_WEIGHT,0))/((COUNT(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS)-COUNTBLANK(SECOND\_THROUGH\_FOURTH\_CODA\_WEIGHTS))\*MAX\_NOTE\_WEIGHT)

),

0

)

STEP 2 (is valid):

=IF(THIS\_UNADJUSTED\_SYLLABLE\_WEIGHT > THIS\_NOTE\_WEIGHT,

IF(NEXT\_LEADING\_ONSET\_PHONE=THIS\_TRAILING\_CODA\_PHONE,

IF( (THIS\_UNADJUSTED\_SYLLABLE\_WEIGHT - 1 <= THIS\_NOTE\_WEIGHT + NEXT\_NOTE\_WEIGHT ),

THIS\_NOTE\_WEIGHT,

0

),

IF(NEXT\_LEADING\_ONSET\_PHONE = 0,

IF(THIS\_UNADJUSTED\_SYLLABLE\_WEIGHT <= THIS\_NOTE\_WEIGHT + NEXT\_NOTE\_WEIGHT,

THIS\_NOTE\_WEIGHT,

0

),

IF( AND( FIRST\_ONSET\_PHONE = 0, SECOND\_ONSET\_PHONE != 0),

IF(THIS\_UNADJUSTED\_SYLLABLE\_WEIGHT - SECOND\_ONSET\_PHONE/MAX\_NOTE\_WEIGHT <= THIS\_NOTE\_WEIGHT + NEXT\_NOTE\_WEIGHT,

THIS\_NOTE\_WEIGHT,

0

),

0

)

)

),

NOTE\_WEIGHT

)