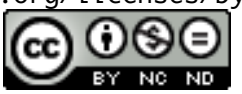
Code Songs



Seven Songs for voice (middle C to top A, choral soprano range, also possible for a mezzo-soprano) and piano

Lyrics from famous programs as follows. Code used in the hope that no one will mind; if there is a copyright issue for use of your program, get in touch.

1. Hello World in C

http://c2.com/cgi/wiki?HelloWorld

2. Quine's Paradox

Due to Willard Van Orman Quine

3. Python program for activities

Program 10 here: http://wiki.python.org/moin/SimplePrograms

4. Quine in C

Aldo Cortesi
http://c2.com/cgi/wiki?QuineProgram

5. Recursive routine in Fortran 77

Andrew J. Miller
http://www.esm.psu.edu/~ajm138/fortranexamples.html

6. Quine in scheme

http://c2.com/cgi/wiki?QuineProgram

7. forkbomb.pl

Alex McLean
http://runme.org/project/+forkbomb/
Also see:
http://mitpress.mit.edu/books/speaking-code-0

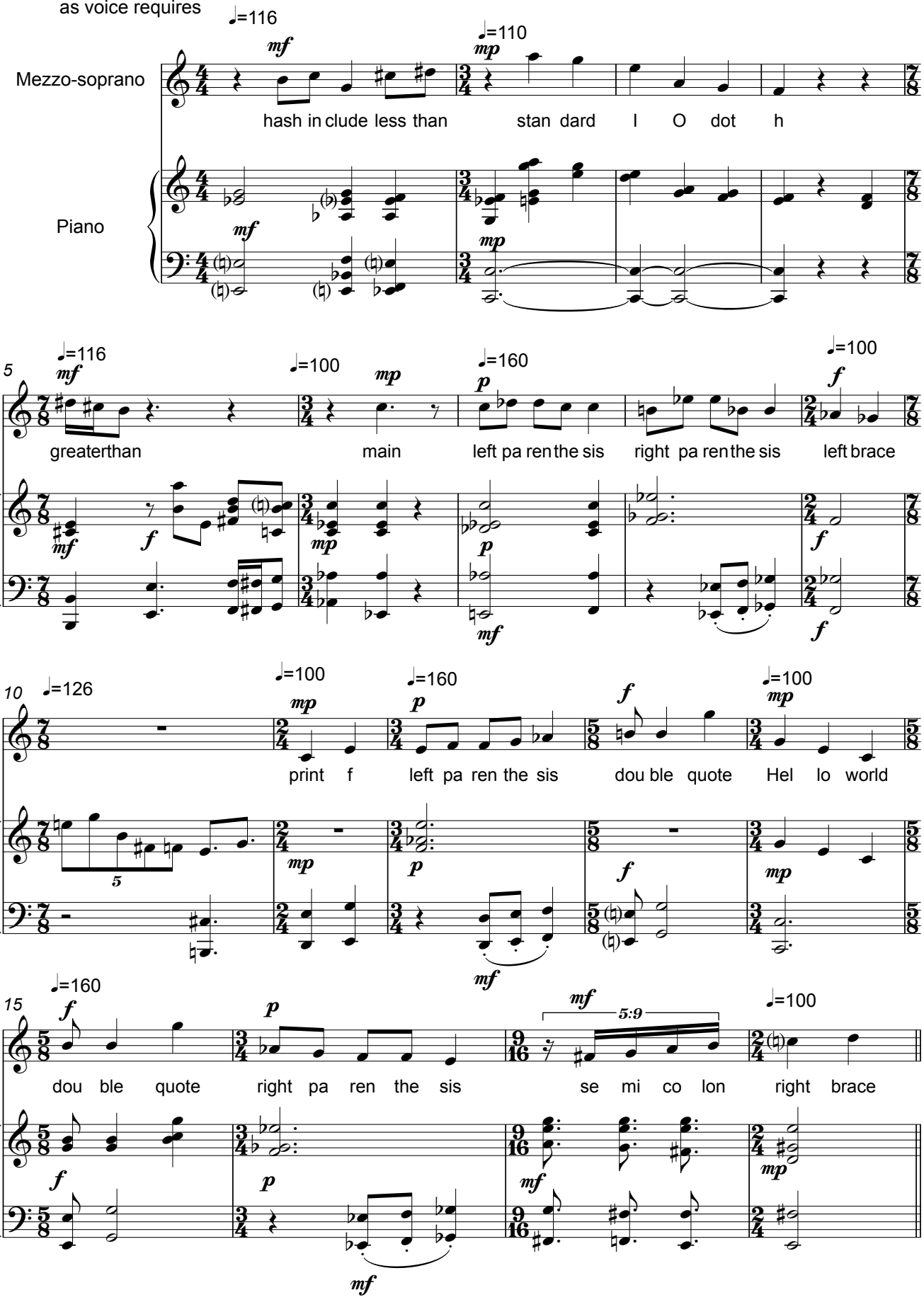
Can insert one or more SuperCollider sc140 tweets between movements as interludes;
the singer can even recite the code of one as it plays

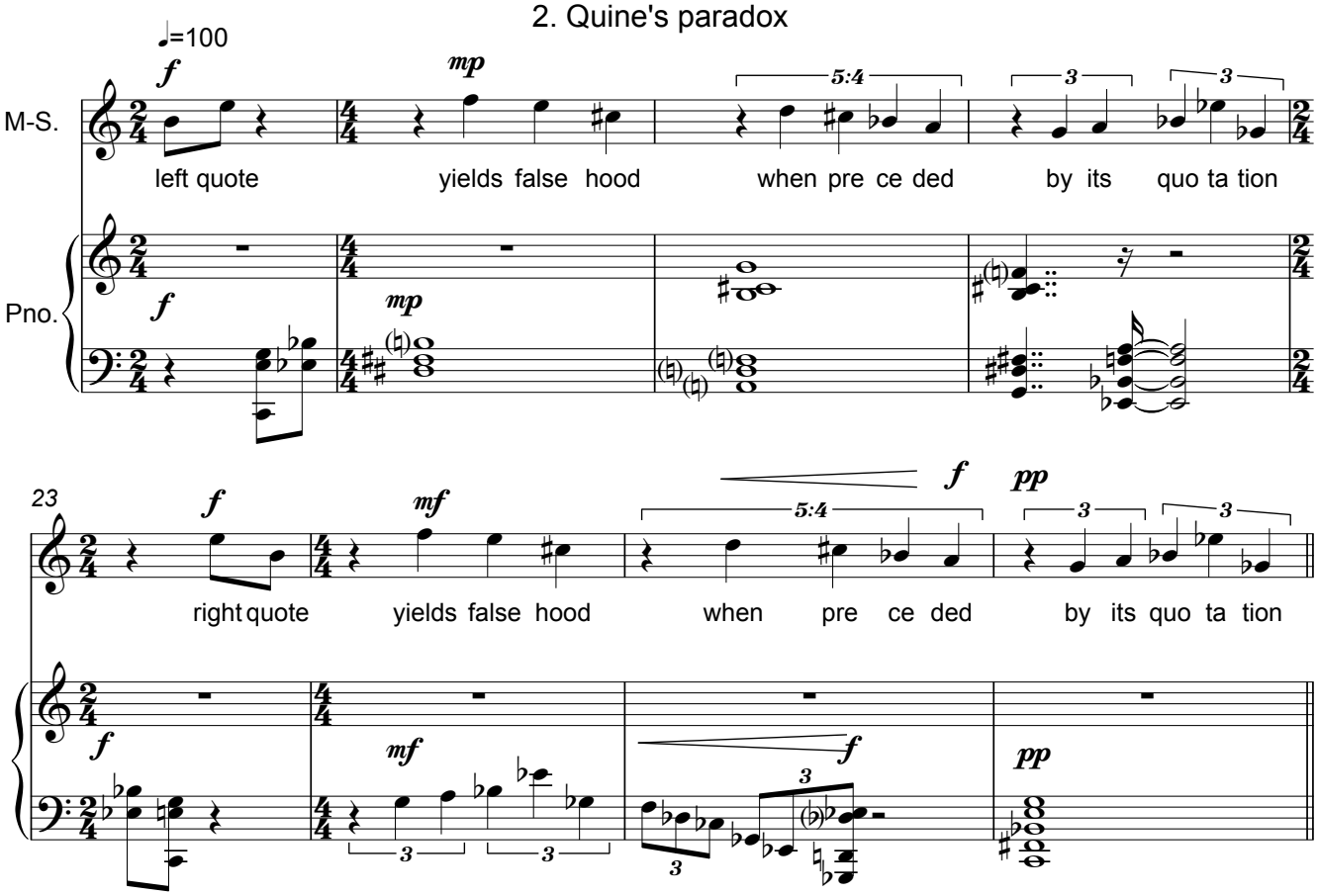
Code Songs

All tempi can be taken slower as voice requires

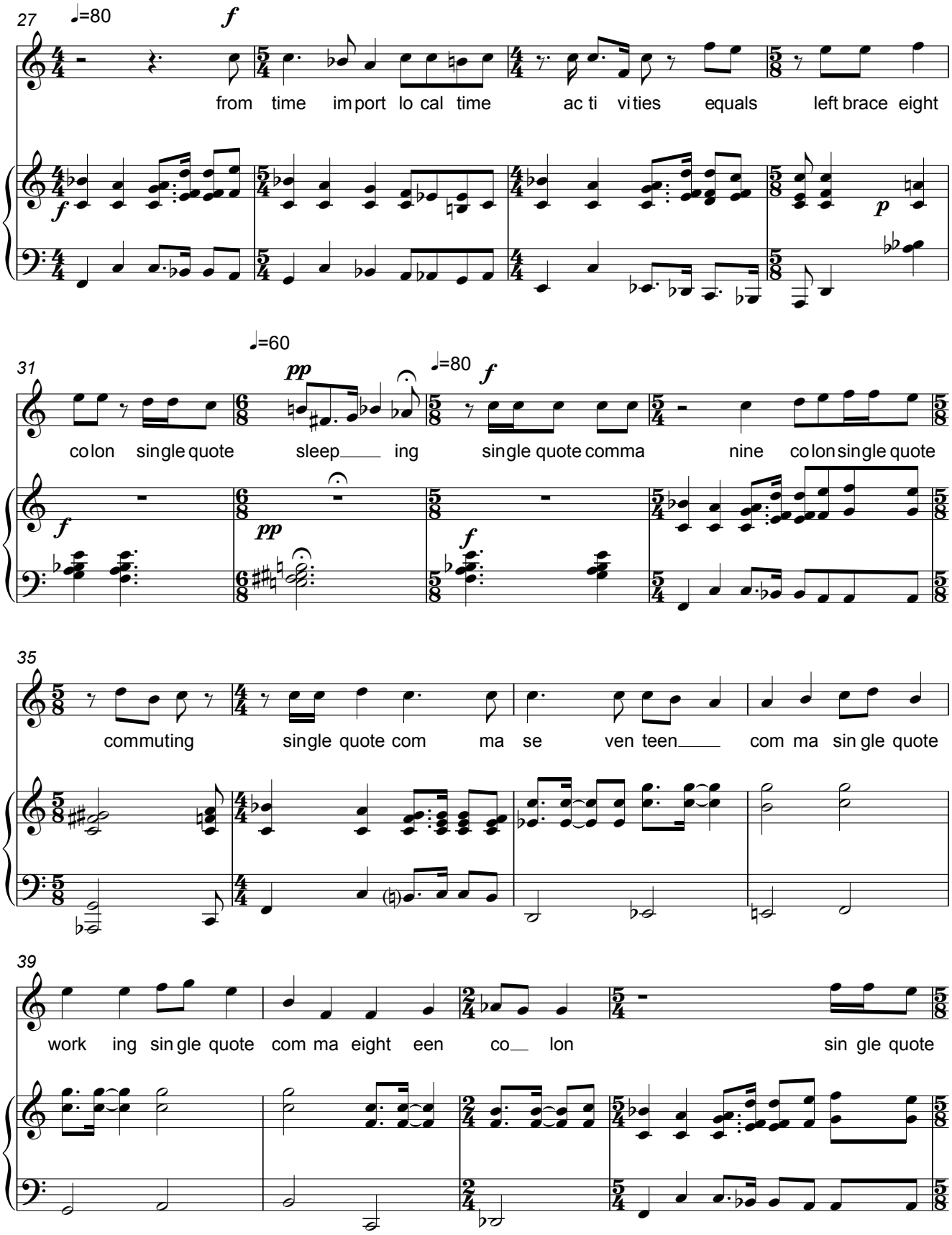
1. Hello World in C

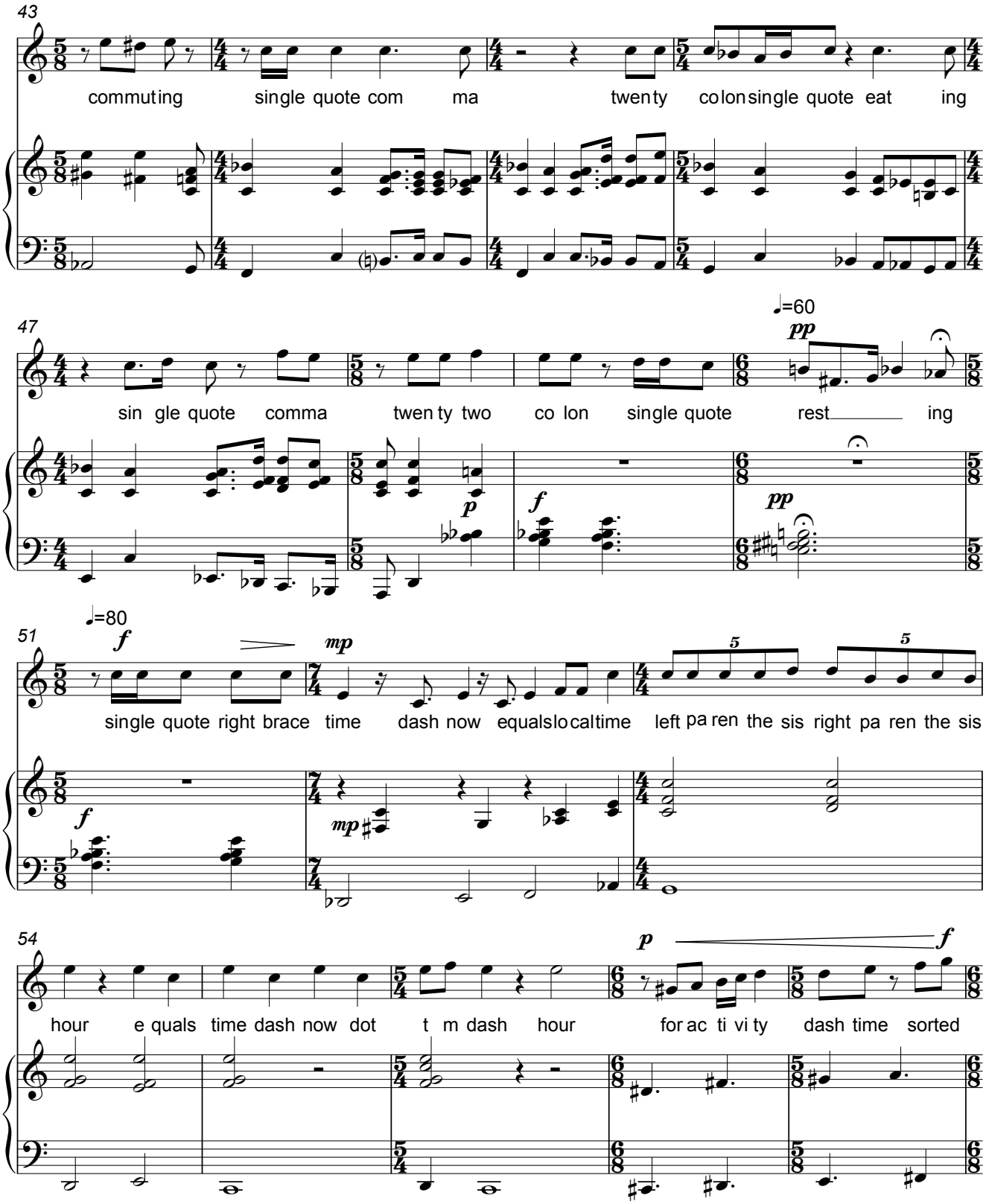
Nicholas M Collins

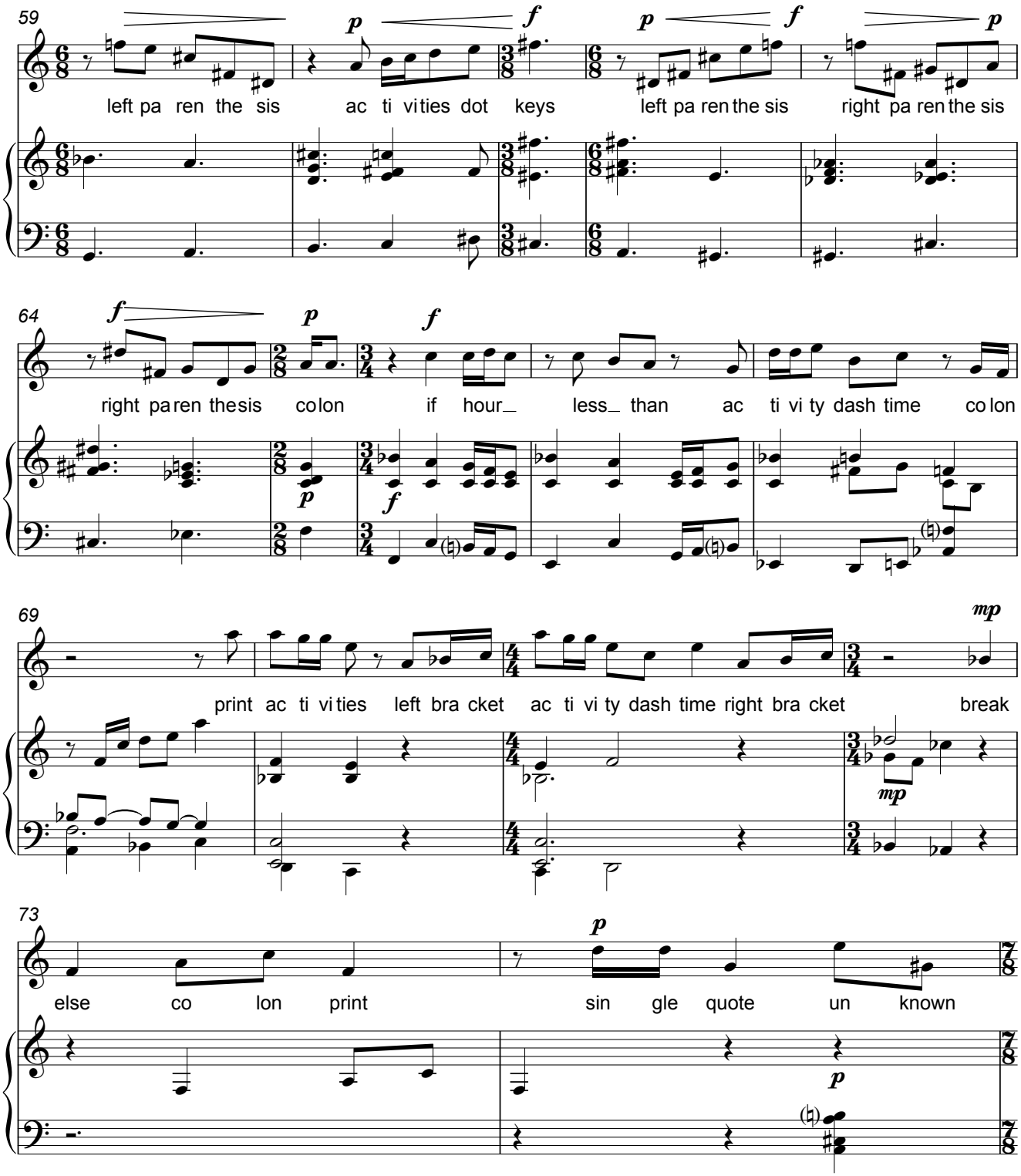


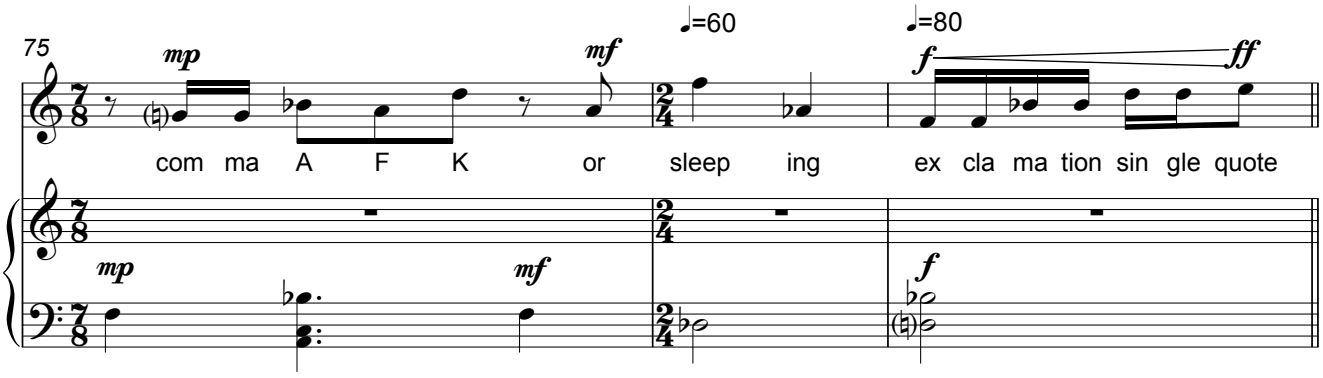

2. Quine's paradox
♩=100
M-S.
Pno.
left quote yields false hood when pre ce ded by its quo ta tion
23
right quote yields false hood when pre ce ded by its quo ta tion

3. Python program for activities

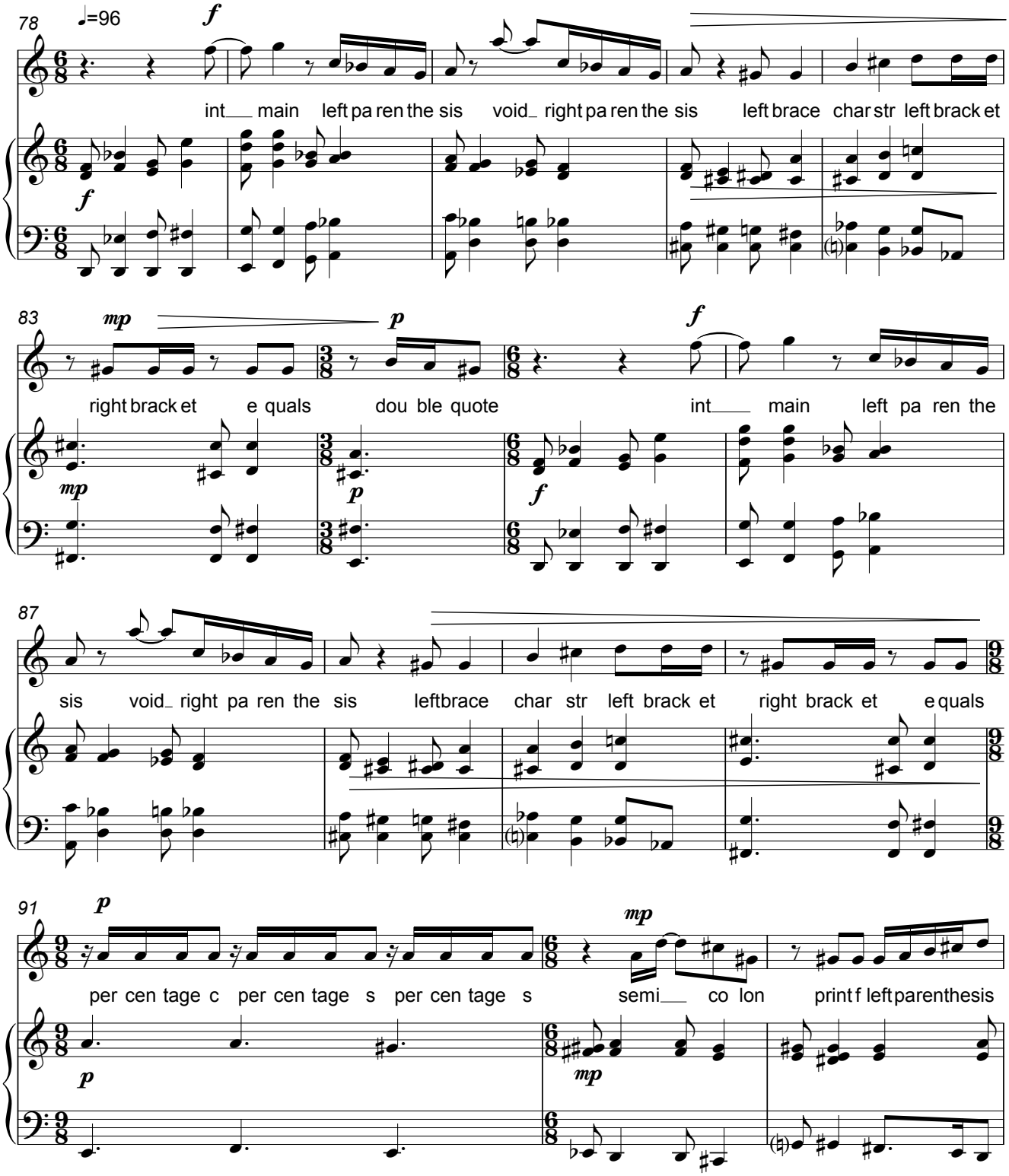


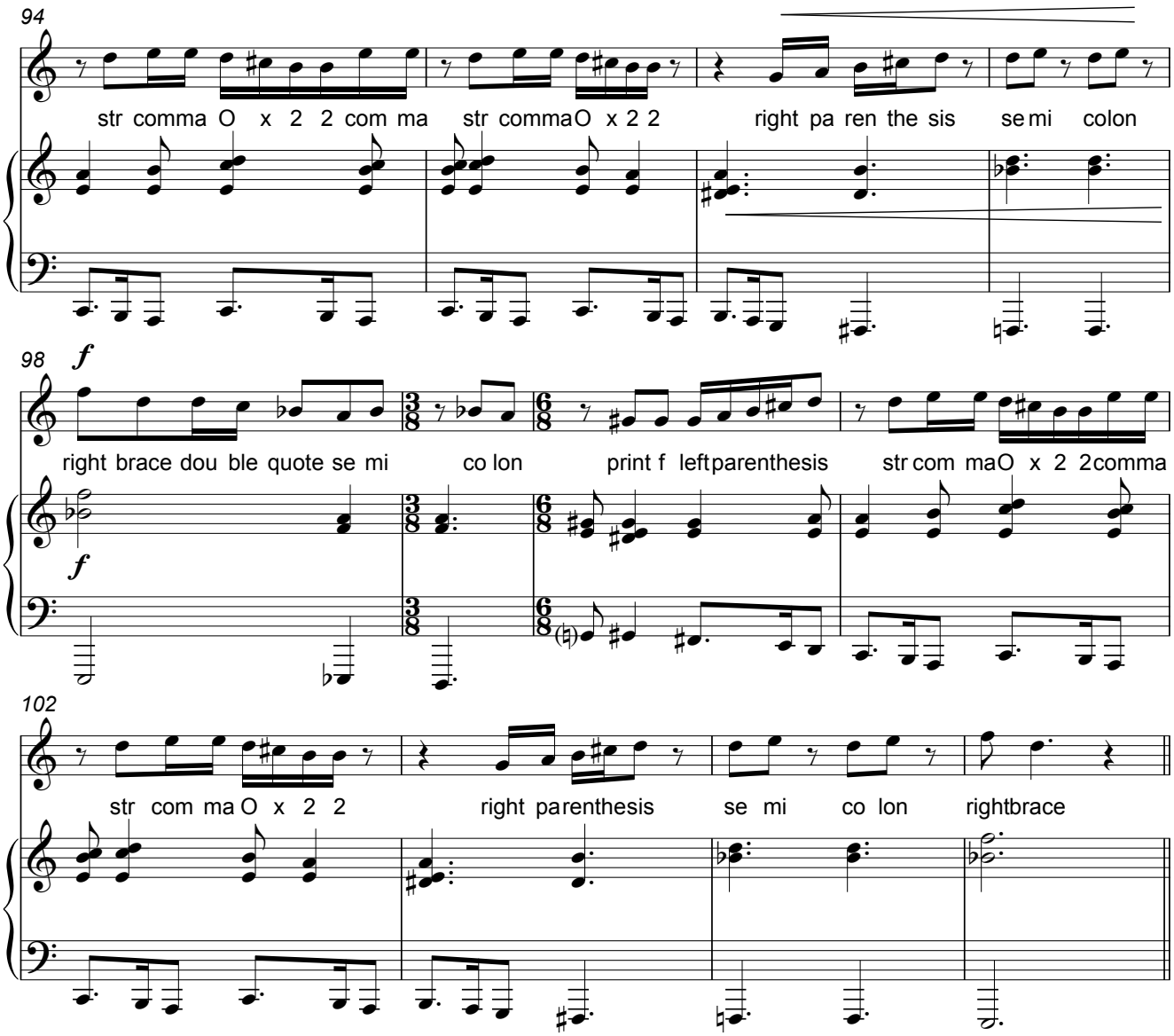

43
commuting single quote com ma twenty colon single quote eat ing
47
sin gle quote comma twen ty two co lon single quote rest ing
♩=60
pp
51
♩=80
single quote right brace time dash now equals local time left pa ren the sis right pa ren the sis
54
hour e quals time dash now dot t m dash hour for ac ti vi ty dash time sorted


59
left pa ren the sis
ac ti vities dot keys
left pa ren the sis
right pa ren the sis
64
right pa ren the sis
colon
if hour_
less_ than
ac ti vi ty dash time
co lon
69
print ac ti vities
left bra cket
ac ti vi ty dash time
right bra cket
break
73
else
co lon
print
sin gle quote
un known

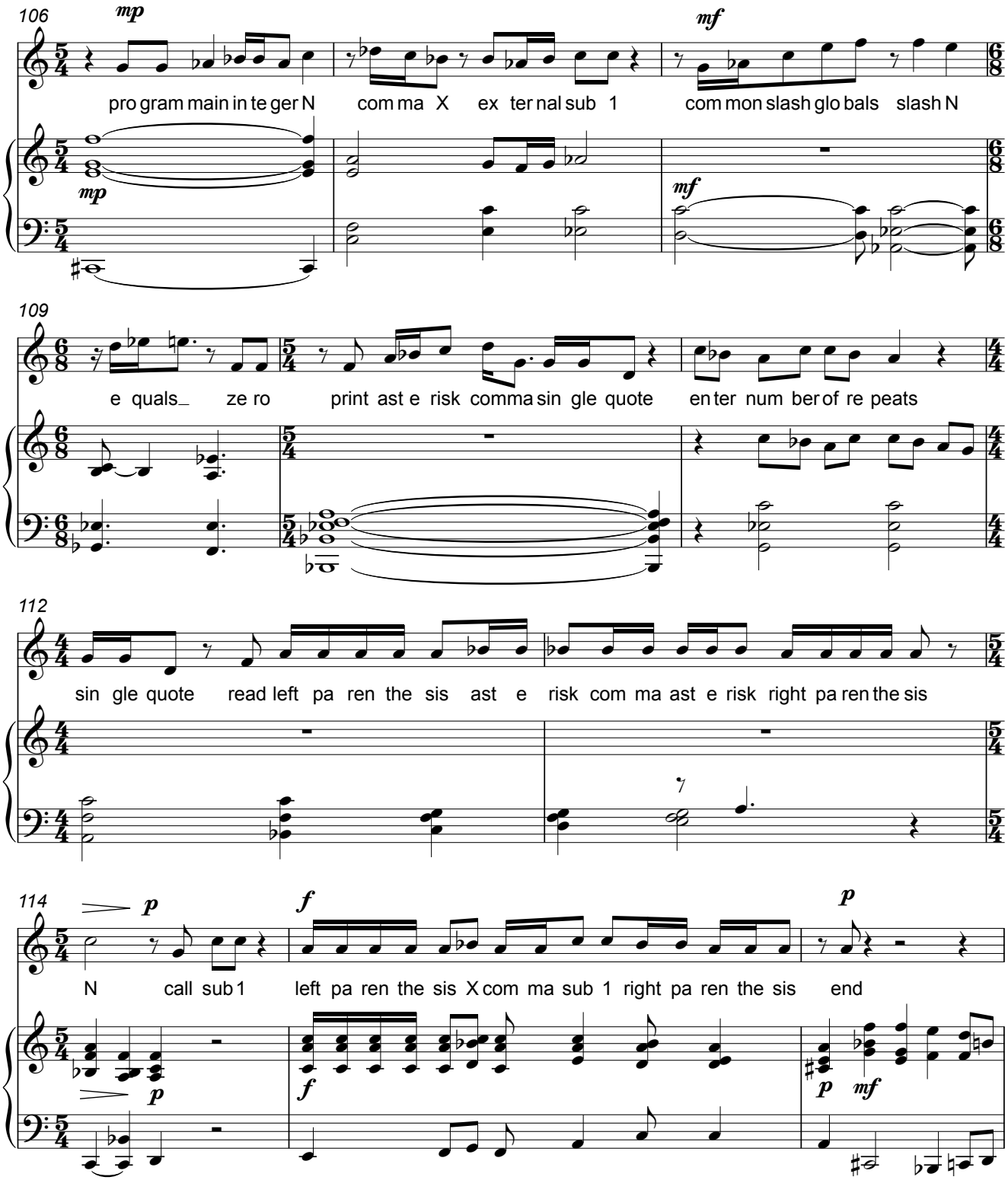

75
mp
mf
♩=60
♩=80
f
ff
com ma A F K or sleep ing ex cla ma tion sin gle quote
mp
mf
f

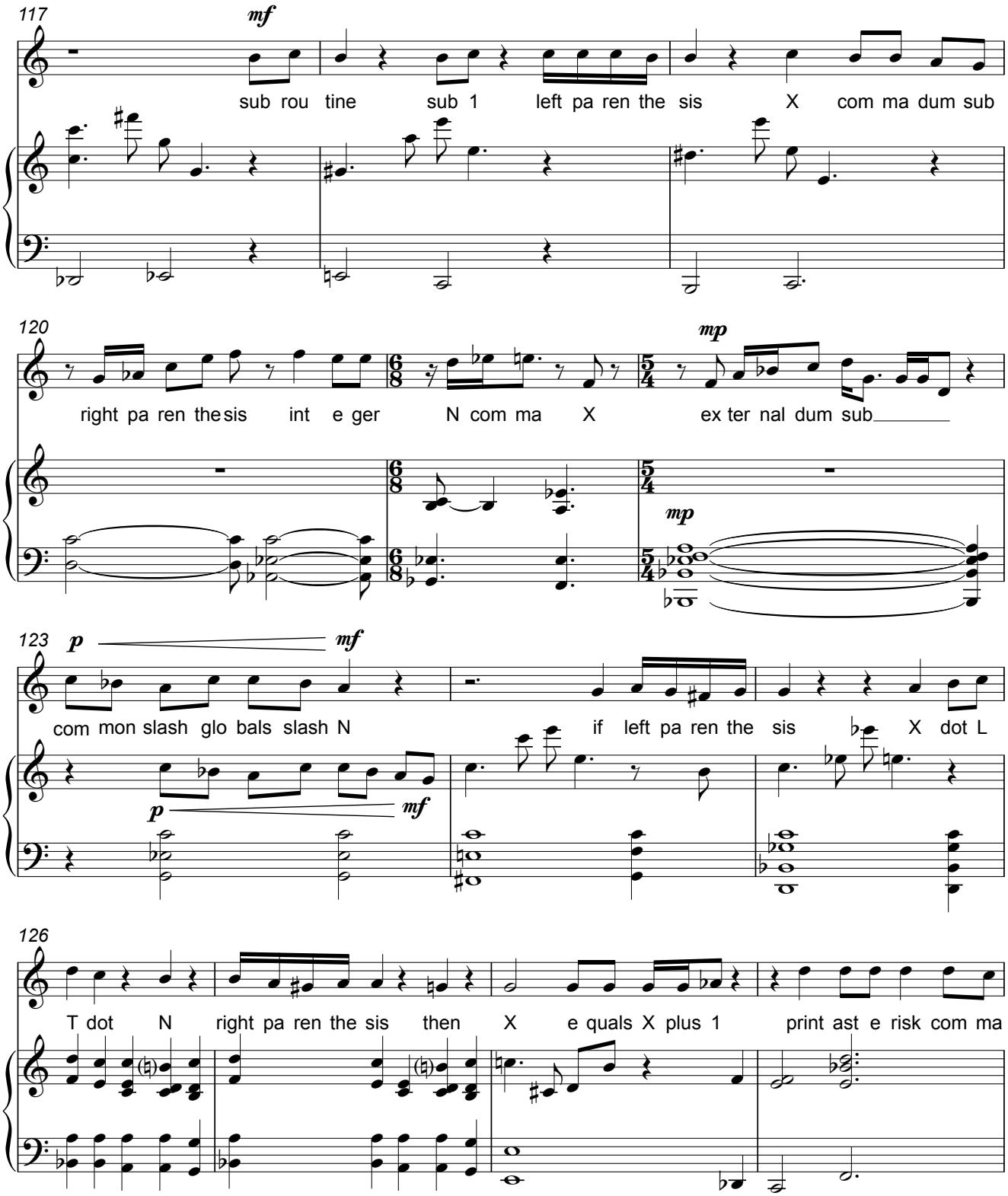
4. Quine in C

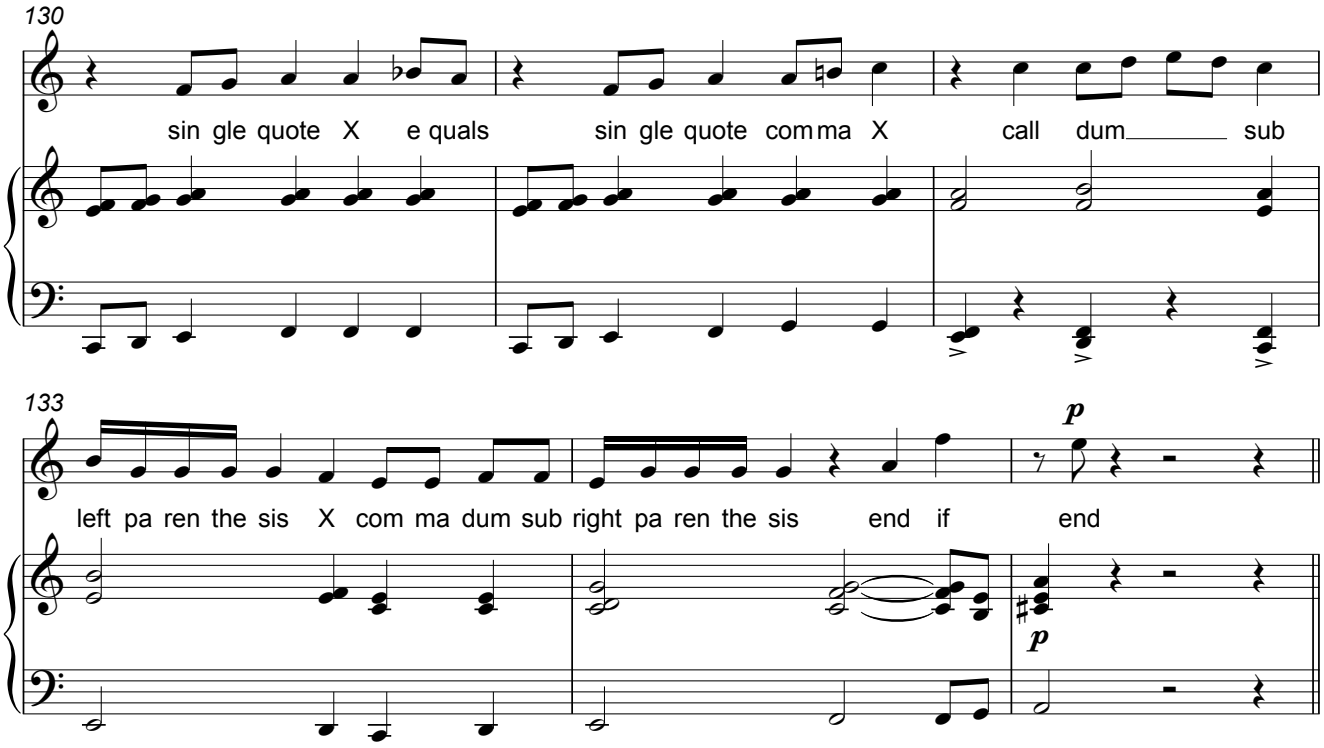

78
♩=96
f
int__ main left pa ren the sis void_ right pa ren the sis left brace char str left brack et
83
mp
p
f
right brack et e quals dou ble quote int__ main left pa ren the
87
sis void_ right pa ren the sis leftbrace char str left brack et right brack et e quals
91
p
mp
per cen tage c per cen tage s per cen tage s semi__ co lon print f left parenthesis


94
str comma O x 2 2 com ma
str comma O x 2 2
right pa ren the sis
se mi colon
98
f
right brace dou ble quote se mi
co lon
print f left parenthesis
str com ma O x 2 2 comma
f
102
str com ma O x 2 2
right parenthesis
se mi
co lon
right brace

5. Recursive routine in Fortran 77



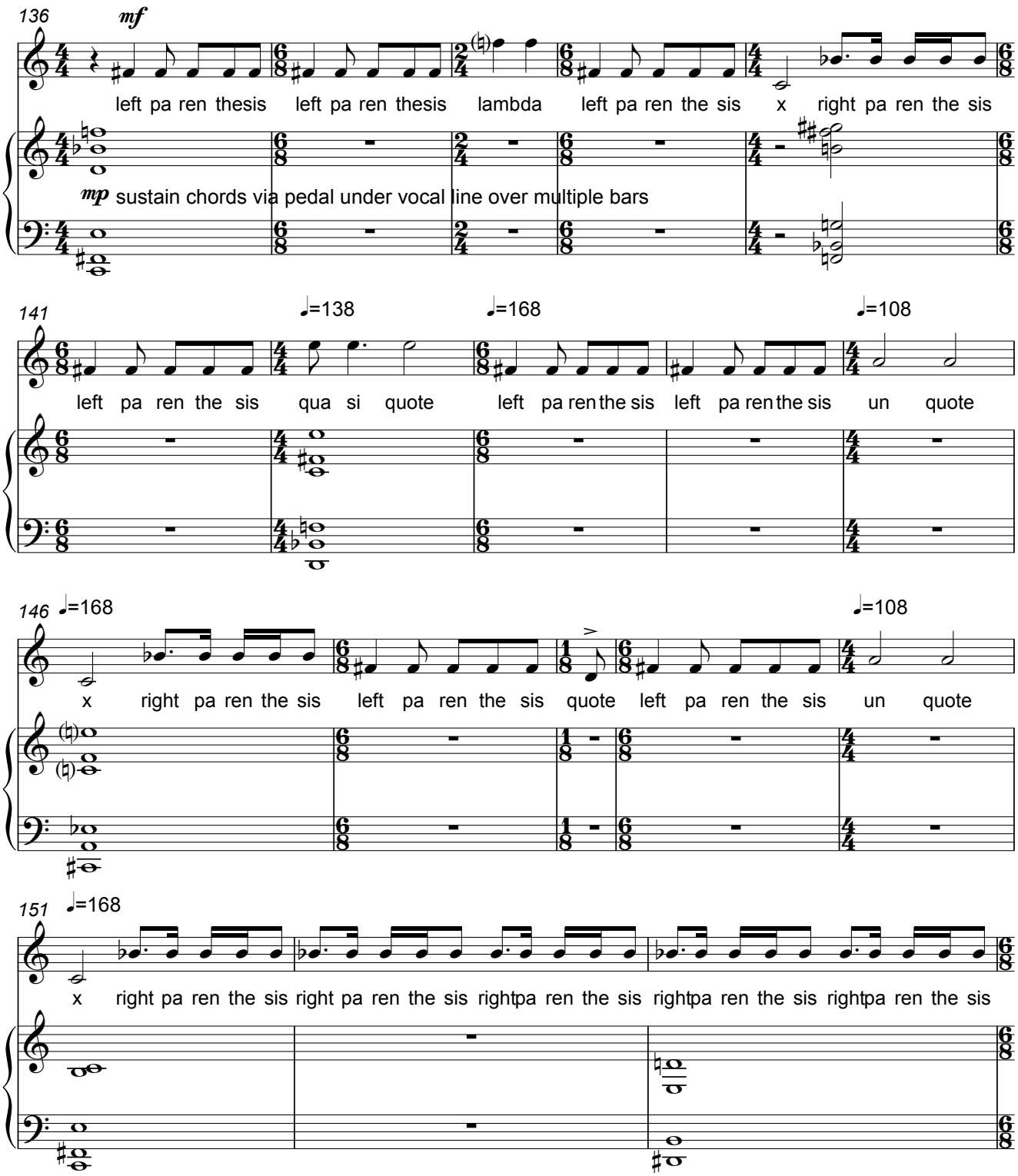

117
mf
sub rou tine sub 1 left pa ren the sis X com ma dum sub
120
mp
right pa ren the sis int e ger N com ma X ex ter nal dum sub
mp
123
p
mf
com mon slash glo bals slash N if left pa ren the sis X dot L
p
mf
126
T dot N right pa ren the sis then X e quals X plus 1 print ast e risk com ma

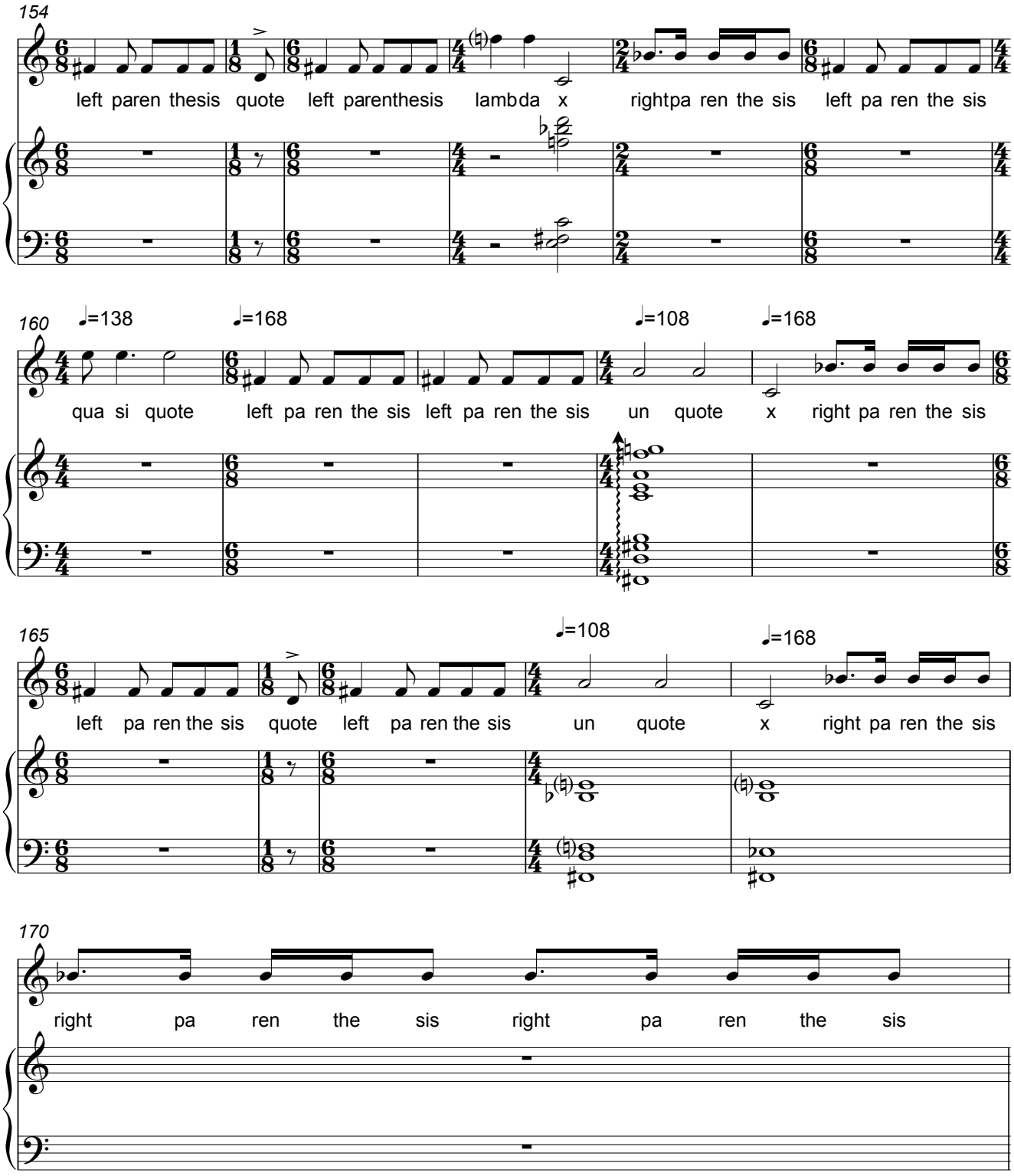

130
sin gle quote X e quals sin gle quote com ma X call dum sub
133
p
left pa ren the sis X com ma dum sub right pa ren the sis end if end
p

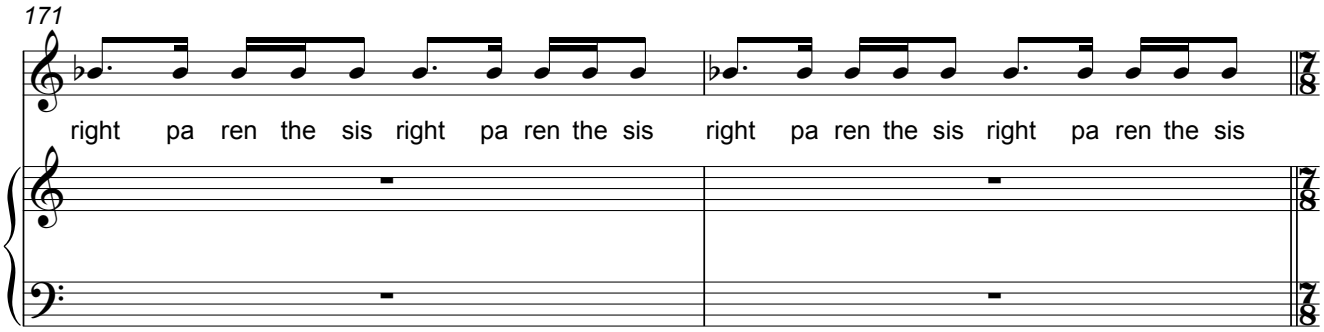
6. Quine in scheme

free time recitative

optionally, choose one dynamic per figure;
singer may also choose tempi and pause as
needed for breath

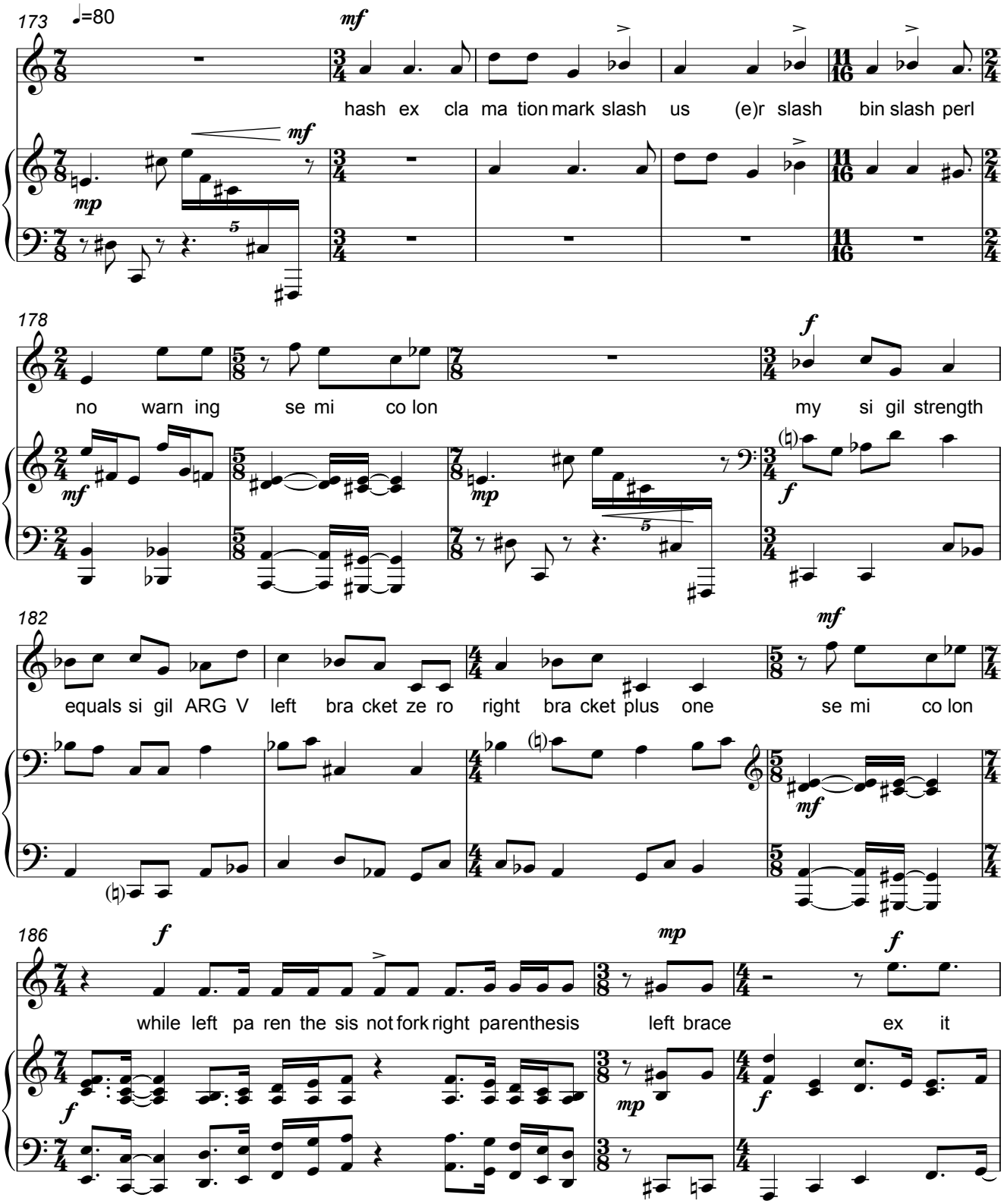


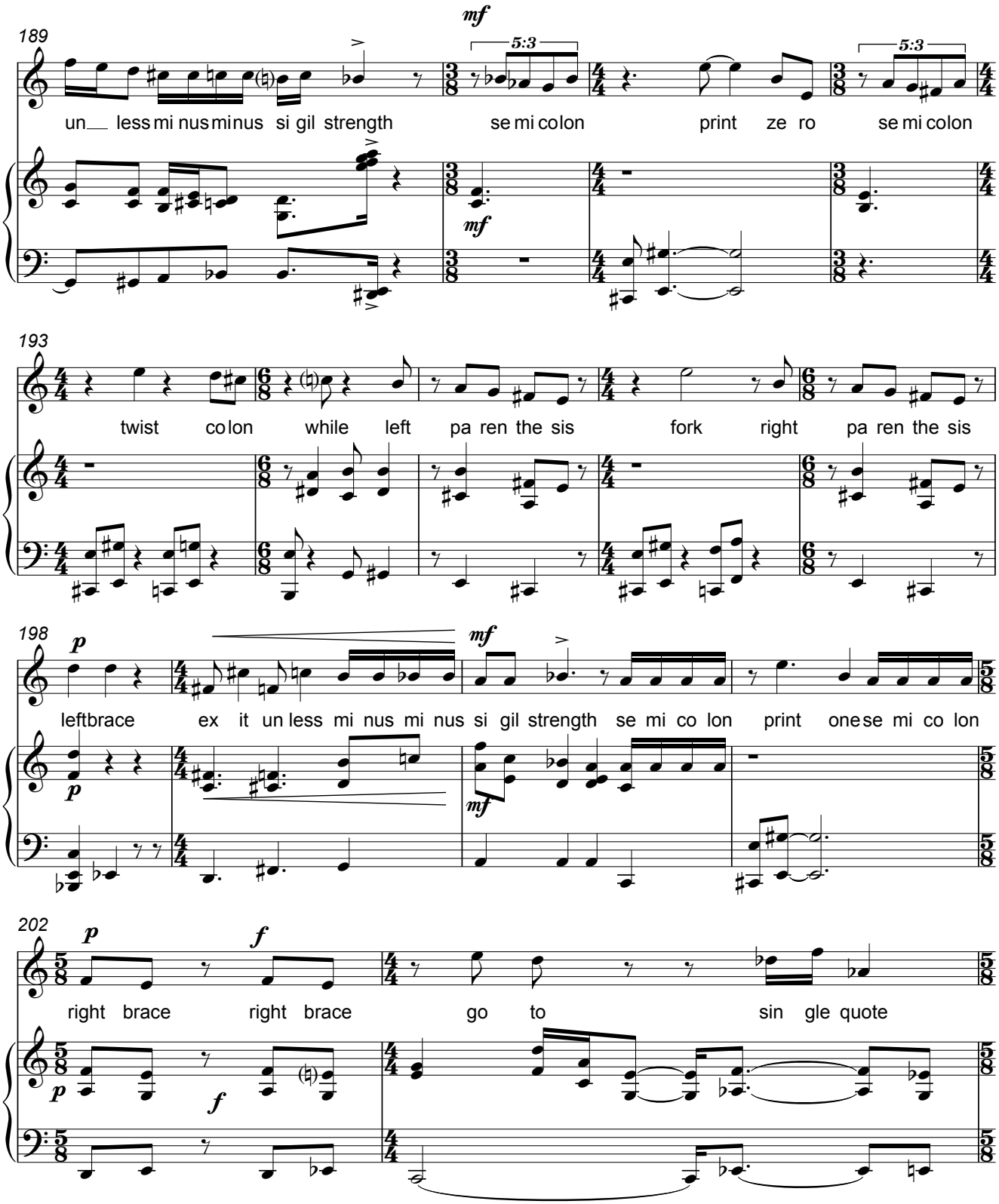

154
left paren thesis quote left parenthesis lambda x rightpa ren the sis left pa ren the sis
160
♩=138
♩=168
♩=108
♩=168
qua si quote left pa ren the sis left pa ren the sis un quote x right pa ren the sis
165
♩=108
♩=168
left pa ren the sis quote left pa ren the sis un quote x right pa ren the sis
170
right pa ren the sis right pa ren the sis

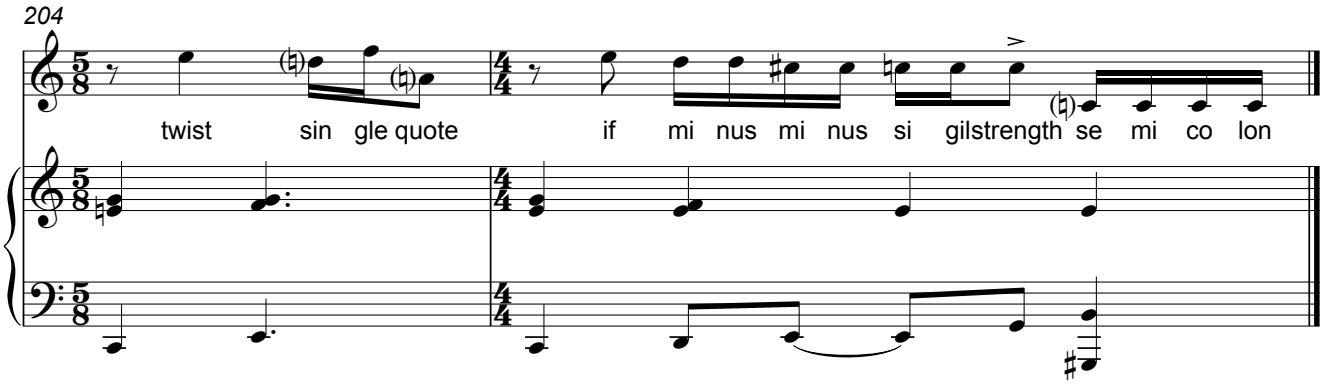

171
right pa ren the sis right pa ren the sis right pa ren the sis right pa ren the sis
7
8
7
8
7
8

the forkbomb.pl code may be run when this piece is played, crashing a projecting computer

7. forkbomb.pl




189
mf
5:3
5:3
un less mi nus minus si gil strength
se mi colon
print ze ro
se mi colon
193
twist colon
while left
pa ren the sis
fork right
pa ren the sis
198
p
mf
leftbrace
ex it un less mi nus mi nus si gil strength
se mi co lon
print one se mi co lon
202
p
f
right brace
right brace
go to
sin gle quote


204
twist sin gle quote if mi nus mi nus si gilstrength se mi co lon