Existence of Dark Matter

for double reed quintet

Instrumentation

3 Oboes (3rd double English horn)
1 Bassoon
1 Contrabassoon

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In our present world we lived in, we are surrounded by various substances that we encounter in our daily lives, often impacting our existence. However, there's one substance that we cannot see, touch, or directly detect. "Dark matter" Its existence is inferred through infrared surveys, observing the gravitational effects it has on visible celestial objects. Although it doesn't directly affect our daily lives, its impact on the world is significant in shaping the large-scale structure of the universe. After the birth of the universe, it aided in gravitational attraction, allowing ordinary matter to coalesce through gravitational forces. Its presence influenced the distribution of ordinary matter, leading to the formation of astronomical cluster overtime.
The impact of dark matter's gravitational force created a framework that enabled the formation and evolution of galaxies, contributing to the large-scale structures of the universe as we know today."

The potential of composer for this piece is to bridge two vastly different worlds, utilizing distinct pitch materials, one employing regular pentatonic scales and the other using a blend of major and minor scales, which this set of pitches represents dark matter. Its sound is connected to dark matter in that it contains mysterious depth within itself and the audience will hear it throughout the entire piece. It reflects the concept of dark matter "undetectable but existing." Without this particular set, the musical outcome would be altered. If we layer these set with the pentatonic scales, the combination of this two set will give us new color

This piece follows a structure of fast-slow-fast. The fast sections at the beginning refers to dark matter, alluding to its overwhelming energy. This part is propelled by rhythm, theme, and running set of pitches that interplay with another section featuring beautiful chords. No matter how powerful it may seem, it retains its inherent beauty. The slower parts, reflecting the present world driven by melody and pentatonic scales, yet infused with elements of dark matter.
It mirrors our world that goes continuously where dark matter never ceases its work within the grand structures of the universe. Ofcourse, the return of the fast section during the recapitulation signifies the presence of dark matter.

Duration Approximately of the piece : 7.30 minutes

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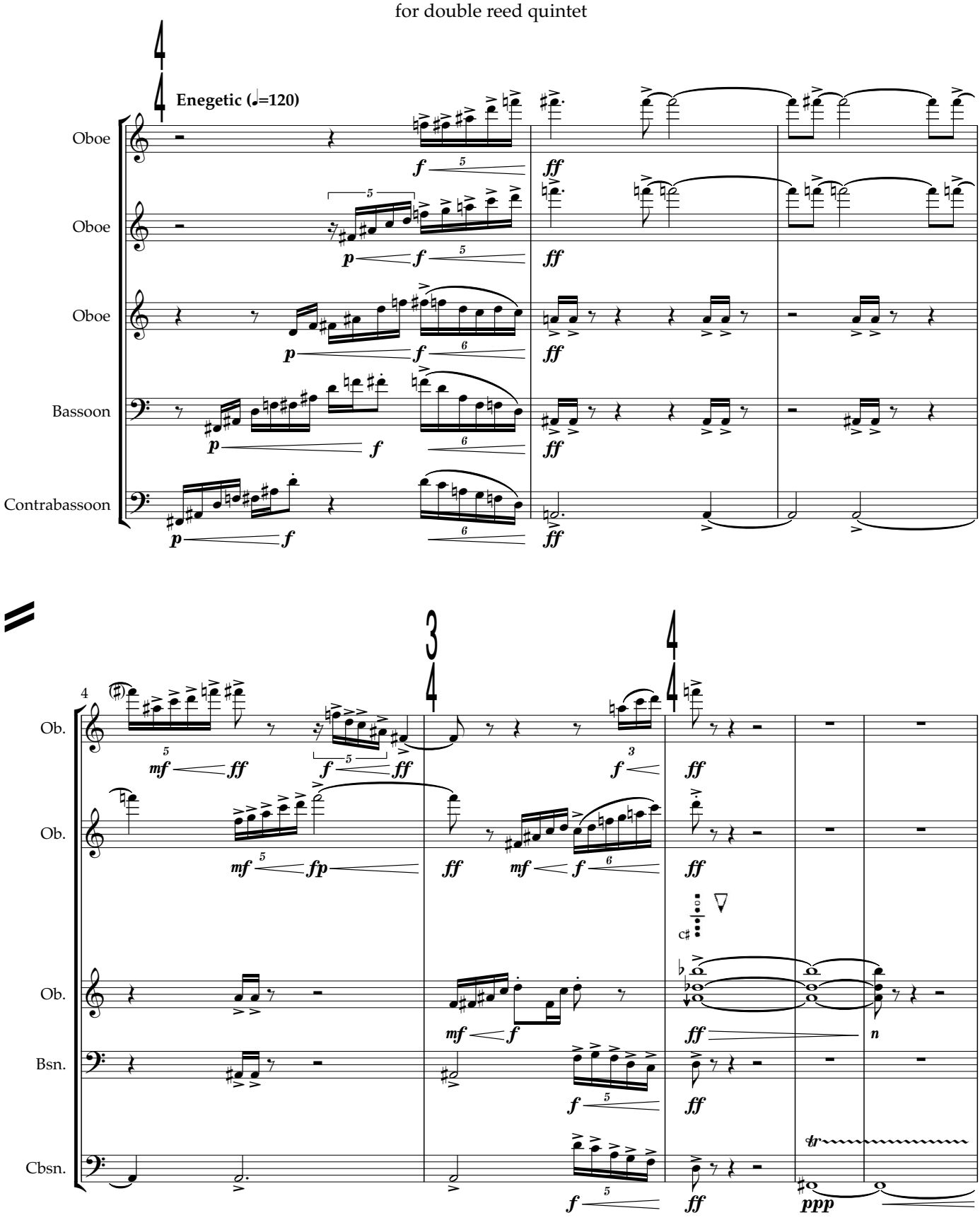
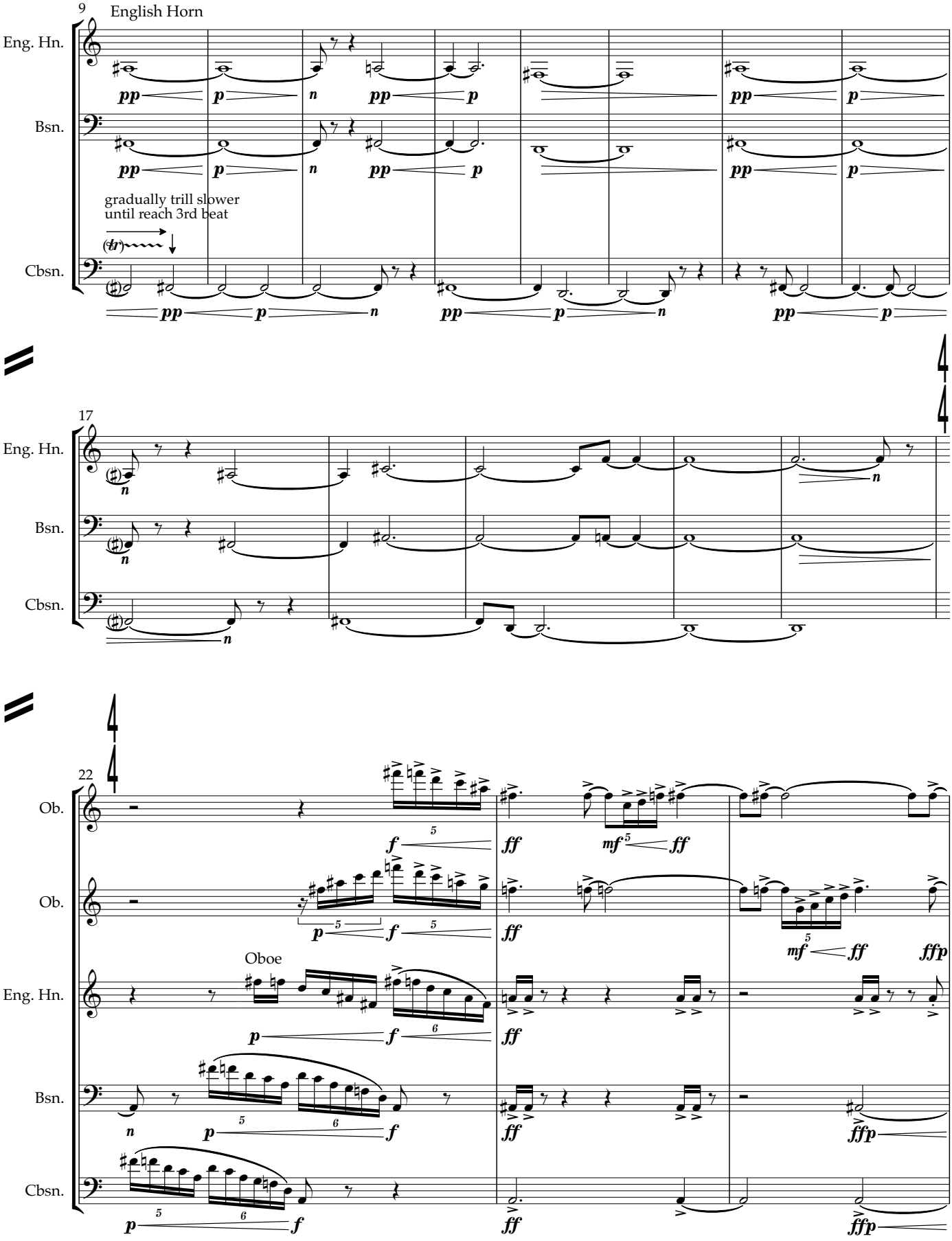
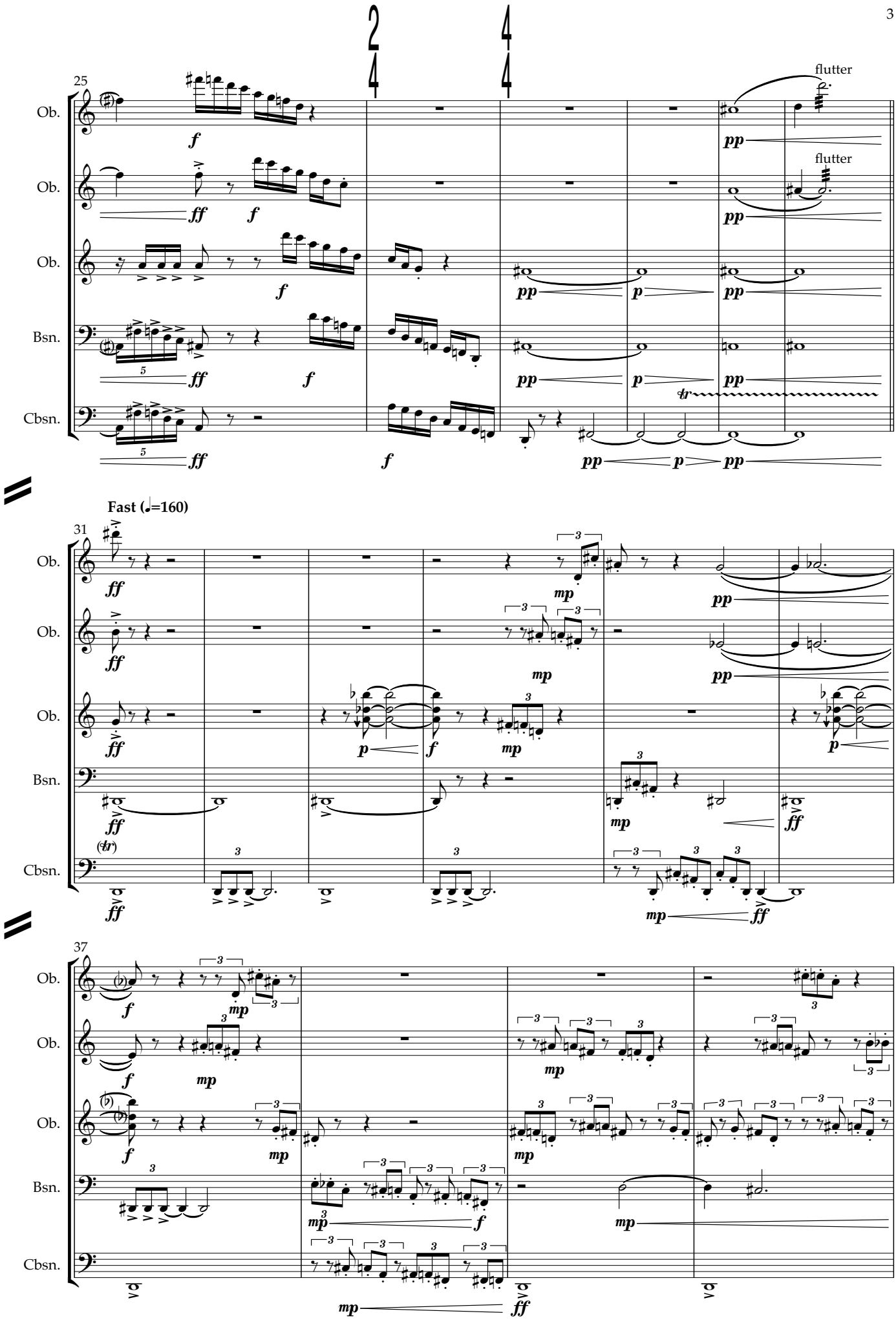
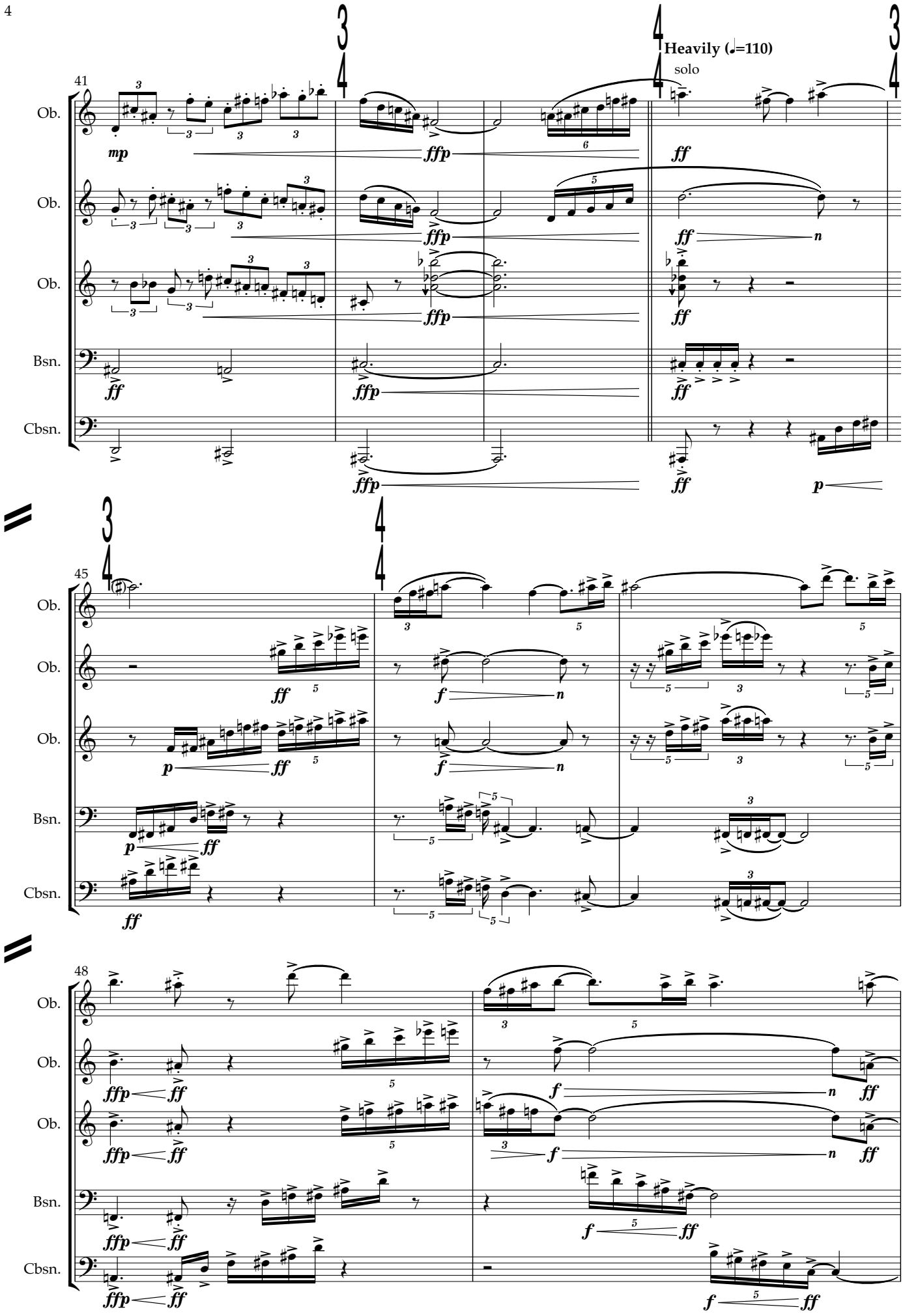
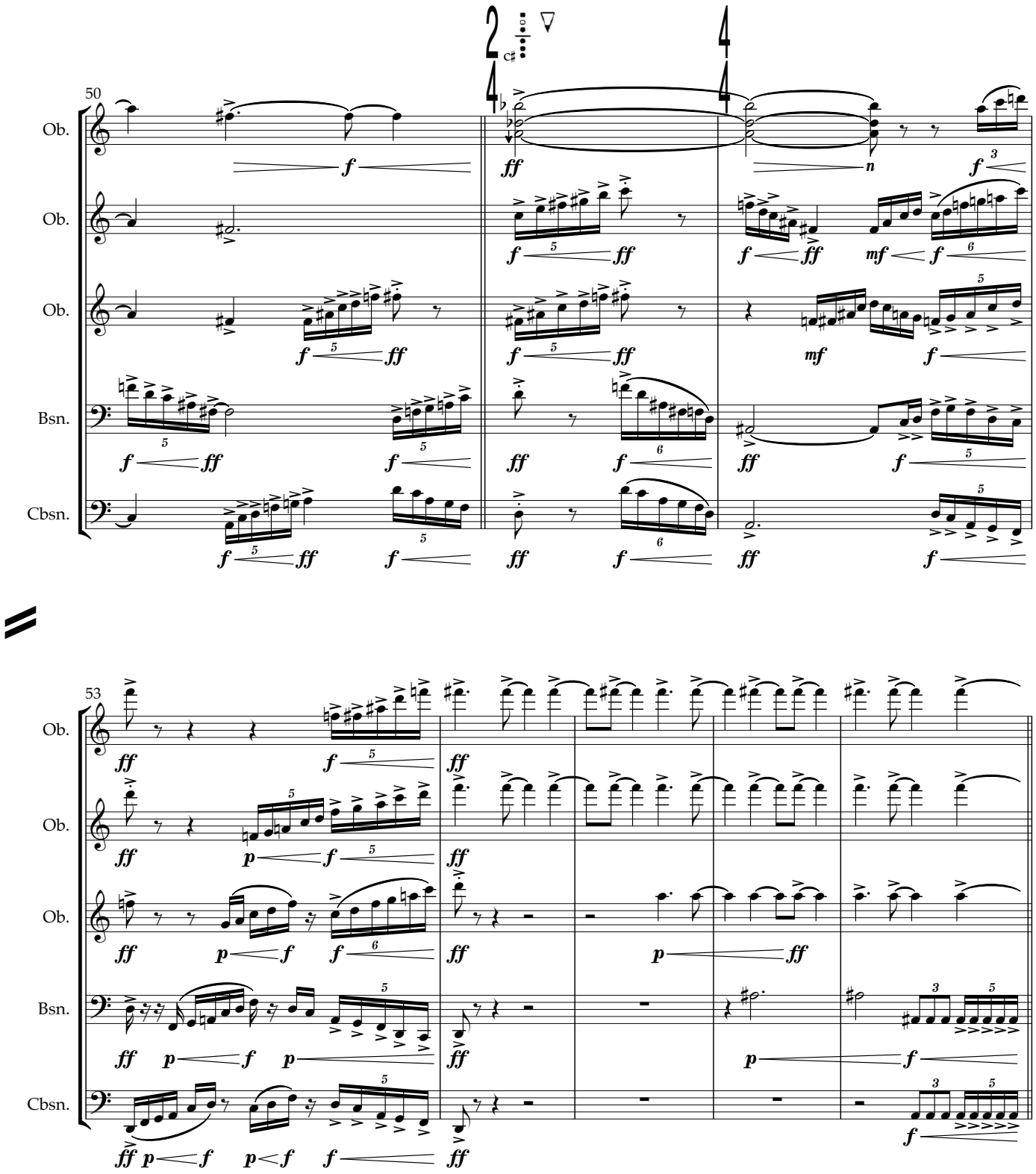


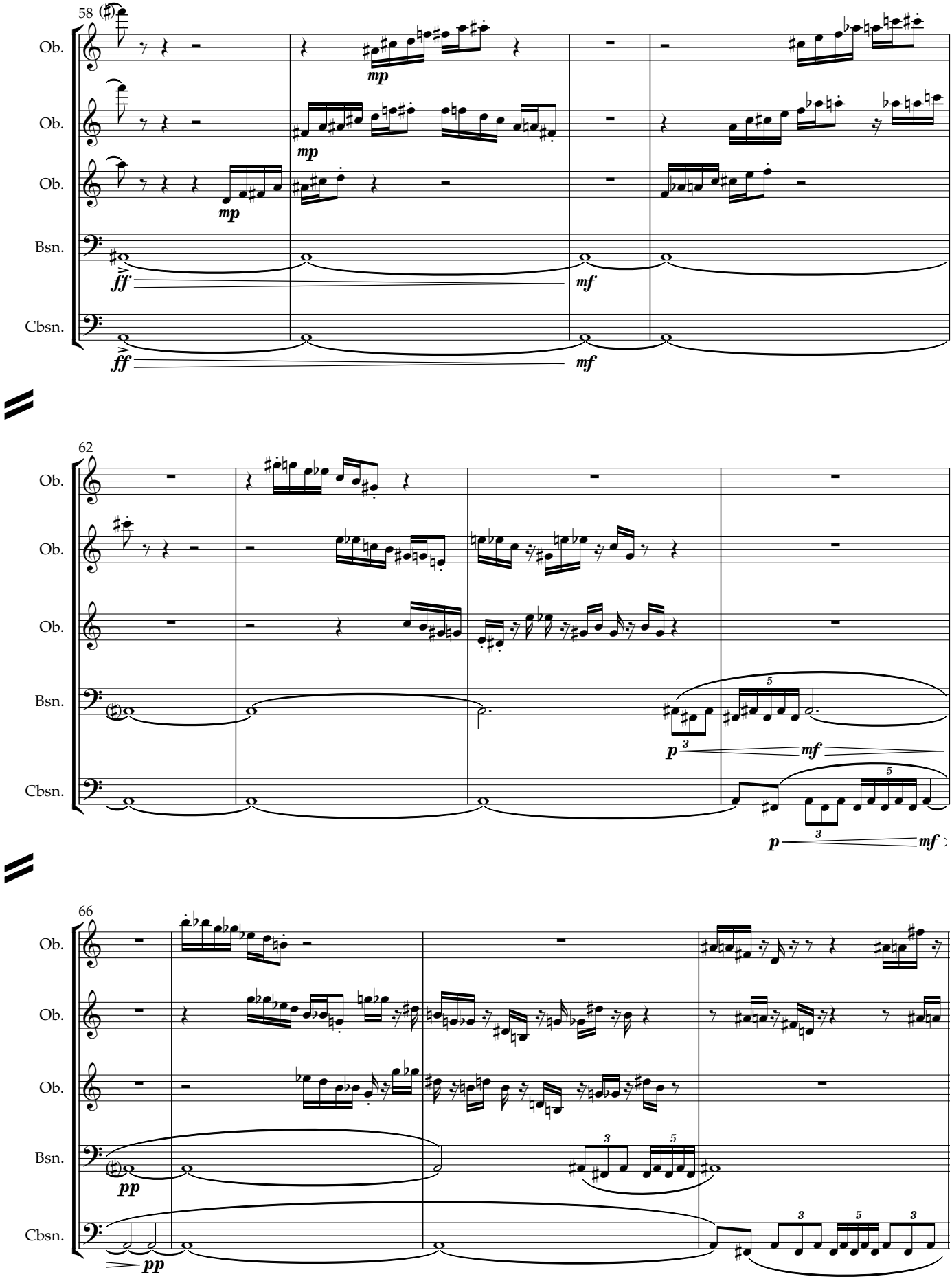

9
English Horn
Eng. Hn.
Bsn.
Cbsn.
gradually trill slower
until reach 3rd beat
17
Eng. Hn.
Bsn.
Cbsn.
22
Ob.
Ob.
Oboe
Eng. Hn.
Bsn.
Cbsn.

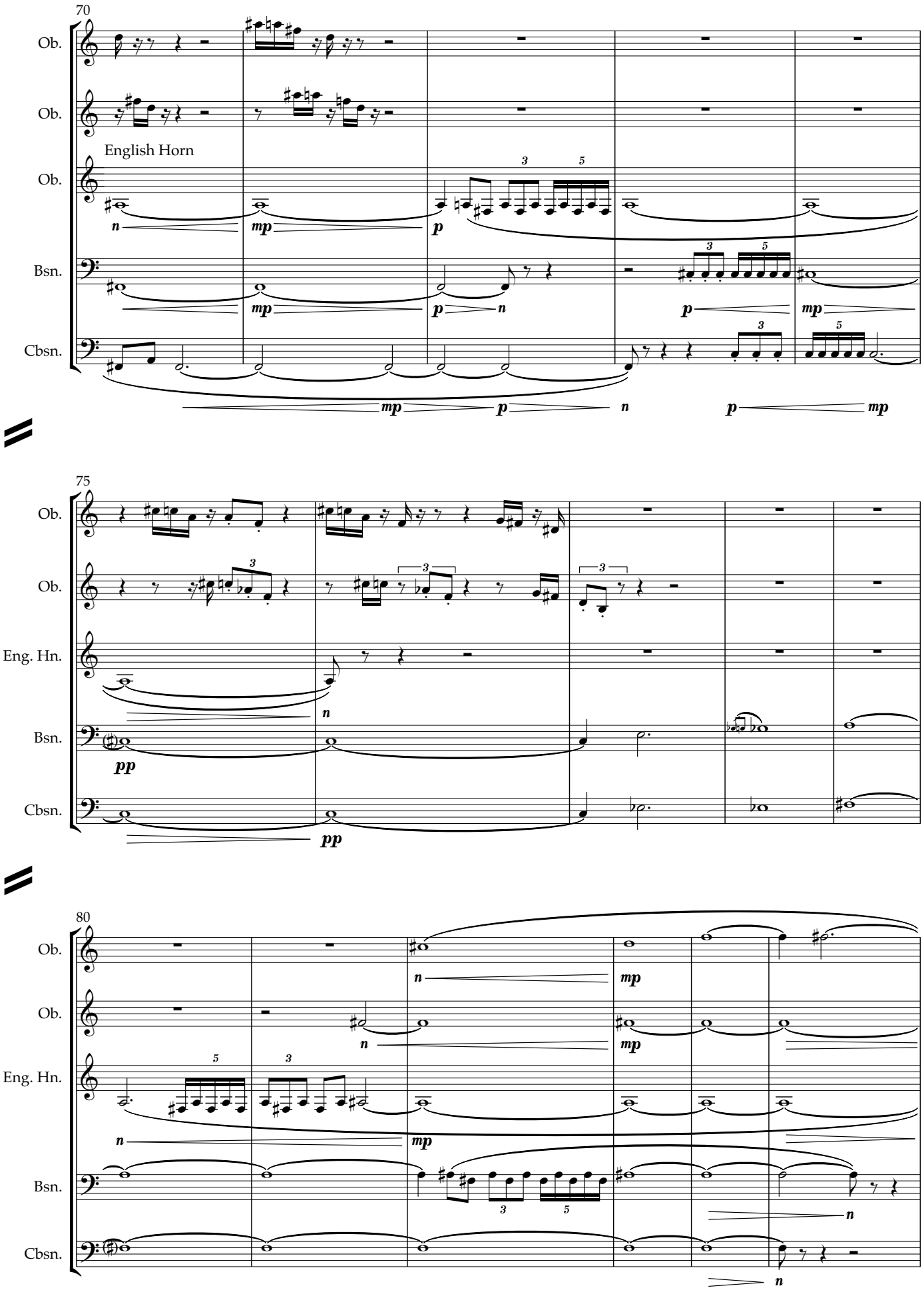

25
Ob.
Ob.
Ob.
Bsn.
Cbsn.
flutter
flutter
Fast (♩=160)
31
37

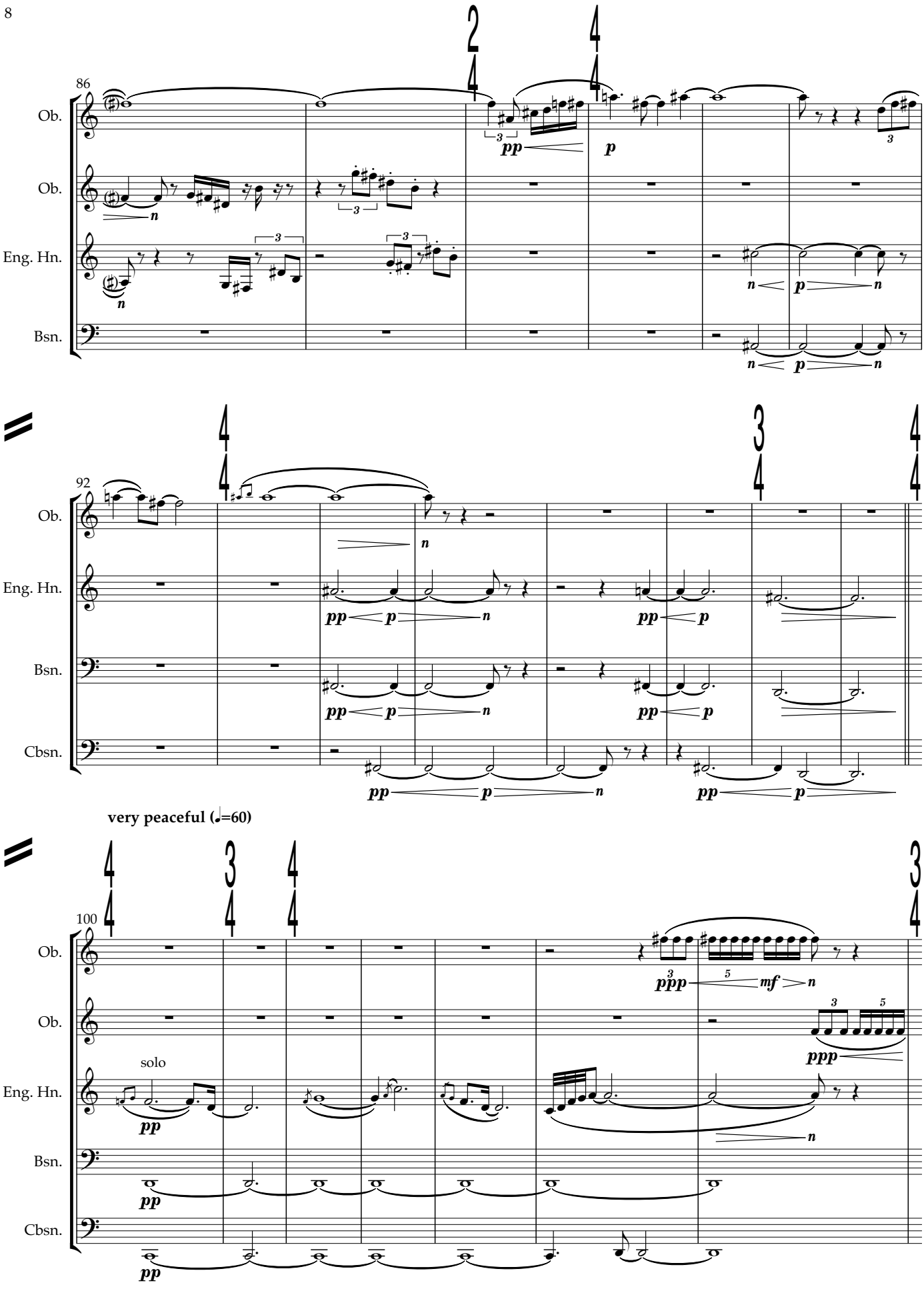

41
Heavily (♩=110)
solo
Ob.
Ob.
Ob.
Bsn.
Cbsn.
45
48

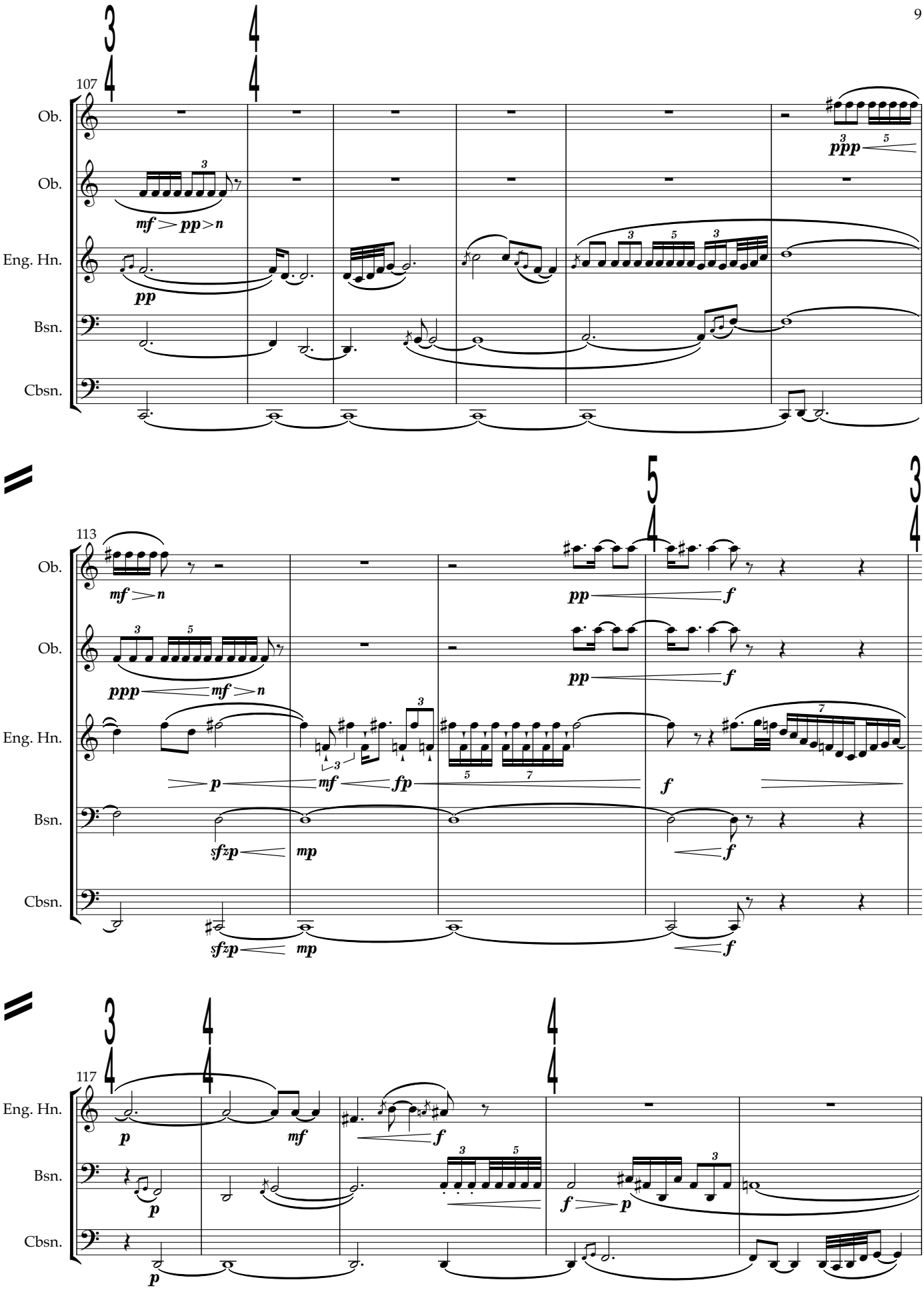

50
Ob.
Ob.
Ob.
Bsn.
Cbsn.
53
Ob.
Ob.
Ob.
Bsn.
Cbsn.

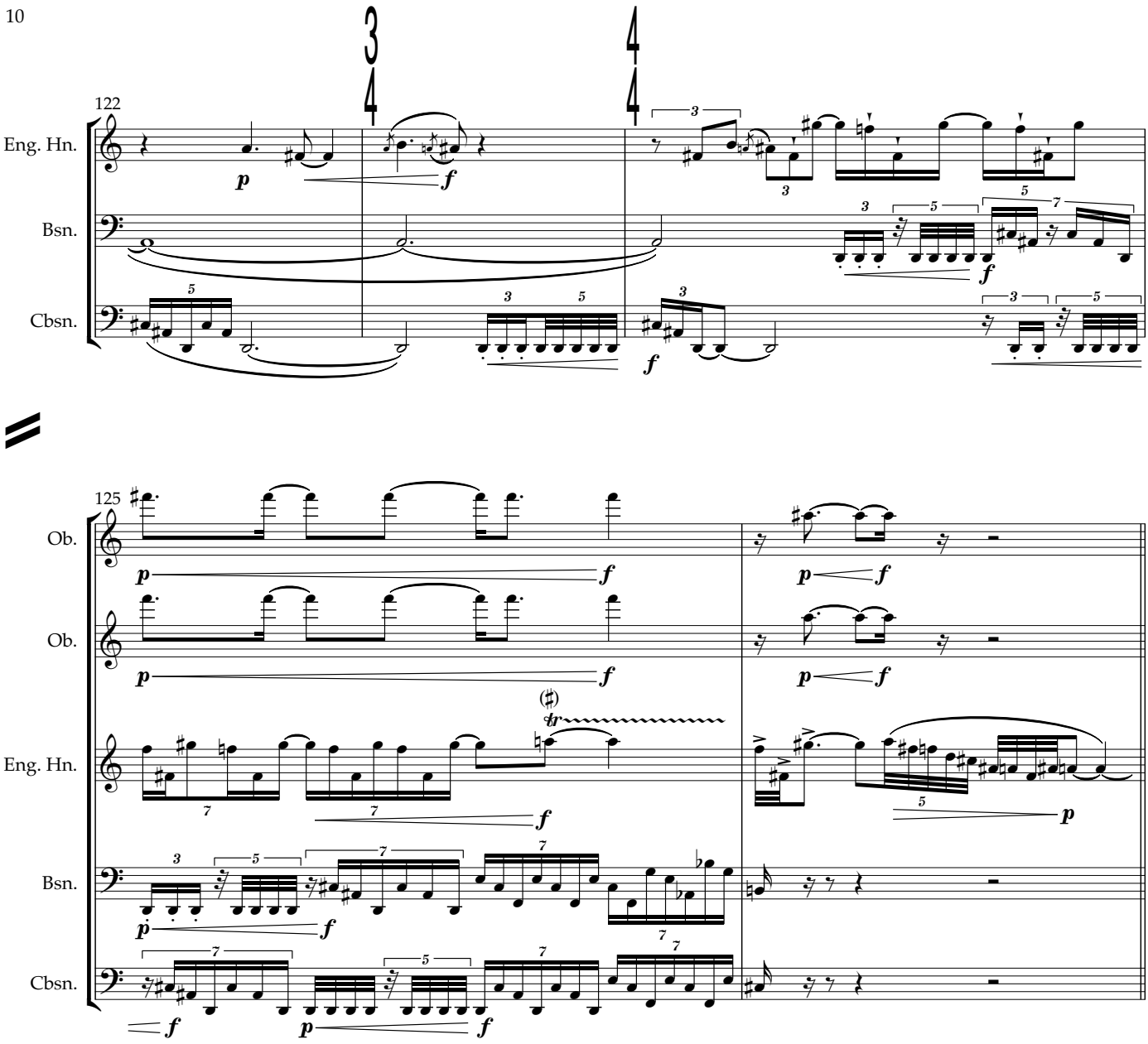
Lightly (♩=110)

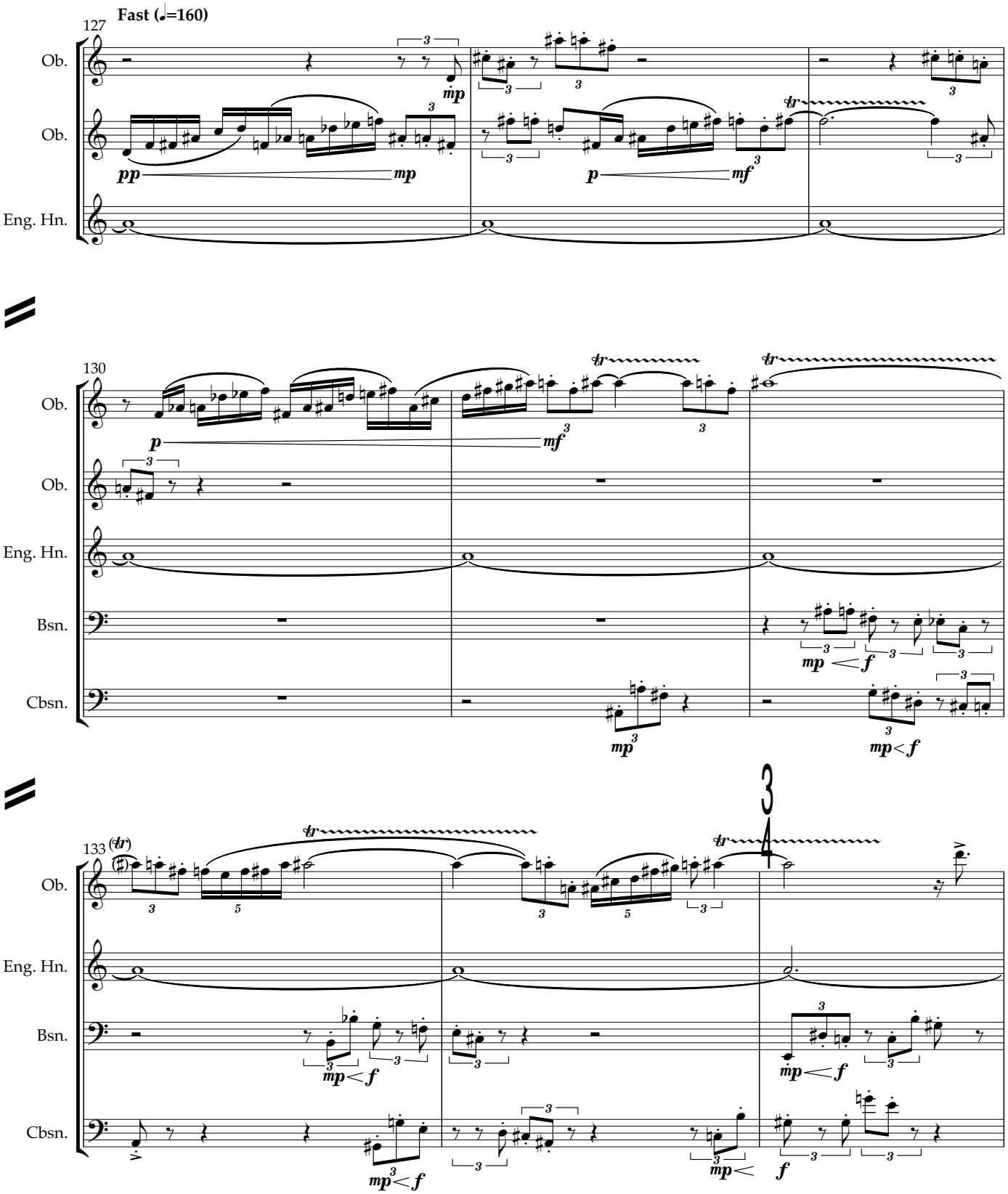

58
Ob.
Ob.
Ob.
Bsn.
Cbsn.
mp
mp
mp
ff
mf
ff
mf
62
Ob.
Ob.
Ob.
Bsn.
Cbsn.
p
mf
p
mf
66
Ob.
Ob.
Ob.
Bsn.
Cbsn.
pp
pp

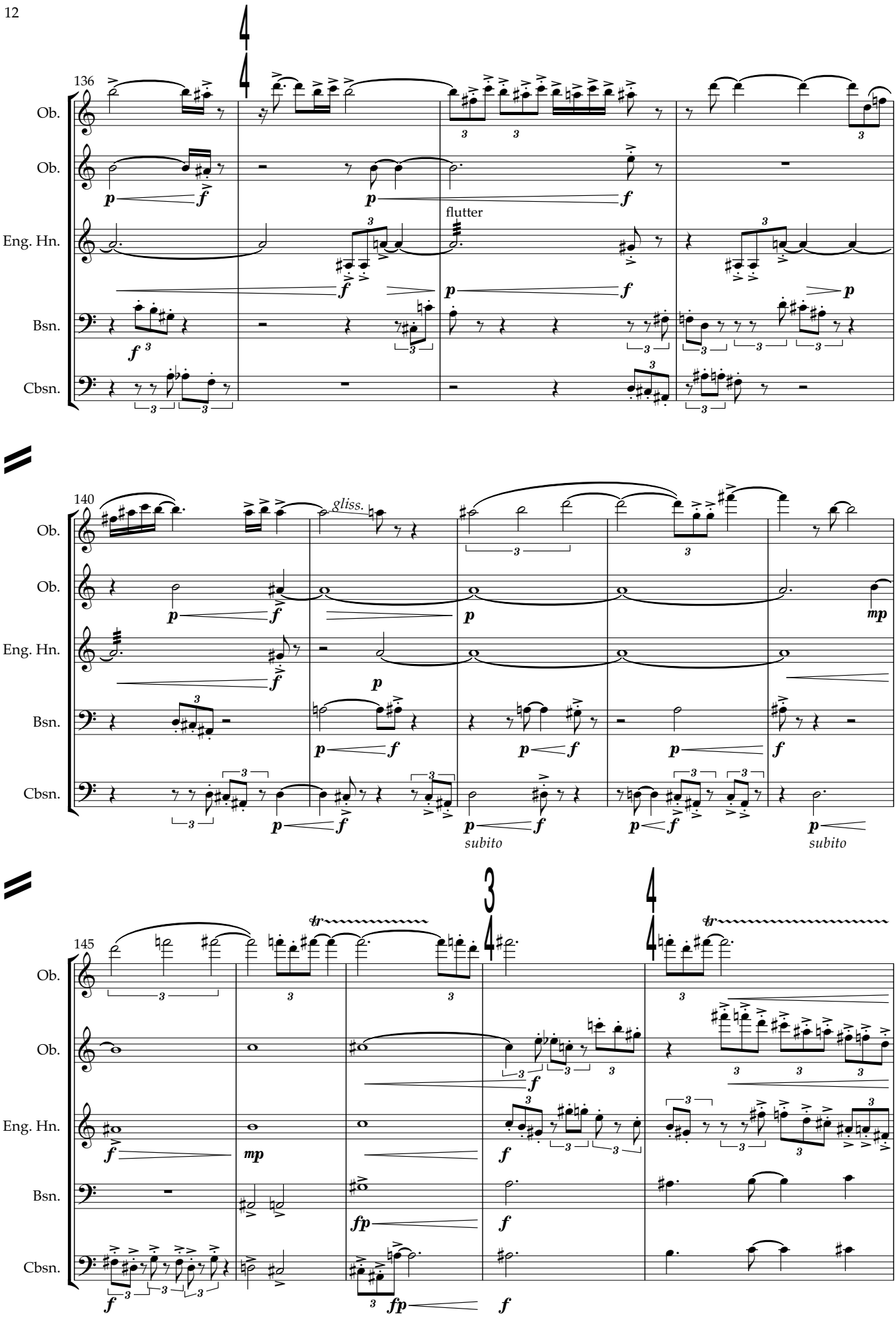

70
Ob.
Ob.
English Horn
Ob.
Bsn.
Cbsn.
n
mp
p
mp
p
n
p
mp
mp
p
n
p
mp
75
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
n
pp
pp
80
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
n
mp
n
mp
n
mp
n
n

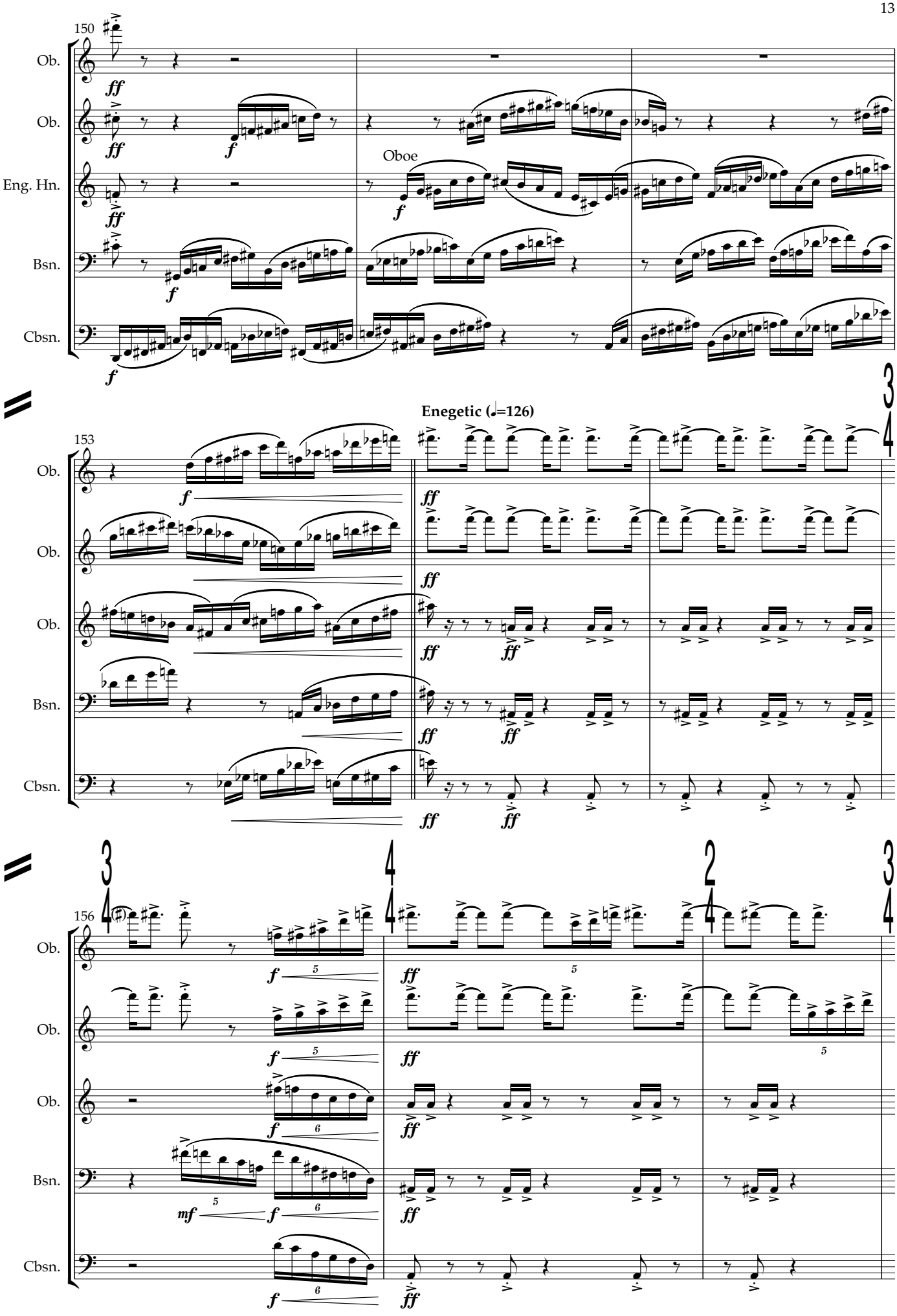

86
Ob.
Ob.
Eng. Hn.
Bsn.
92
Ob.
Eng. Hn.
Bsn.
Cbsn.
very peaceful (♩=60)
100
Ob.
Ob.
solo
Eng. Hn.
Bsn.
Cbsn.

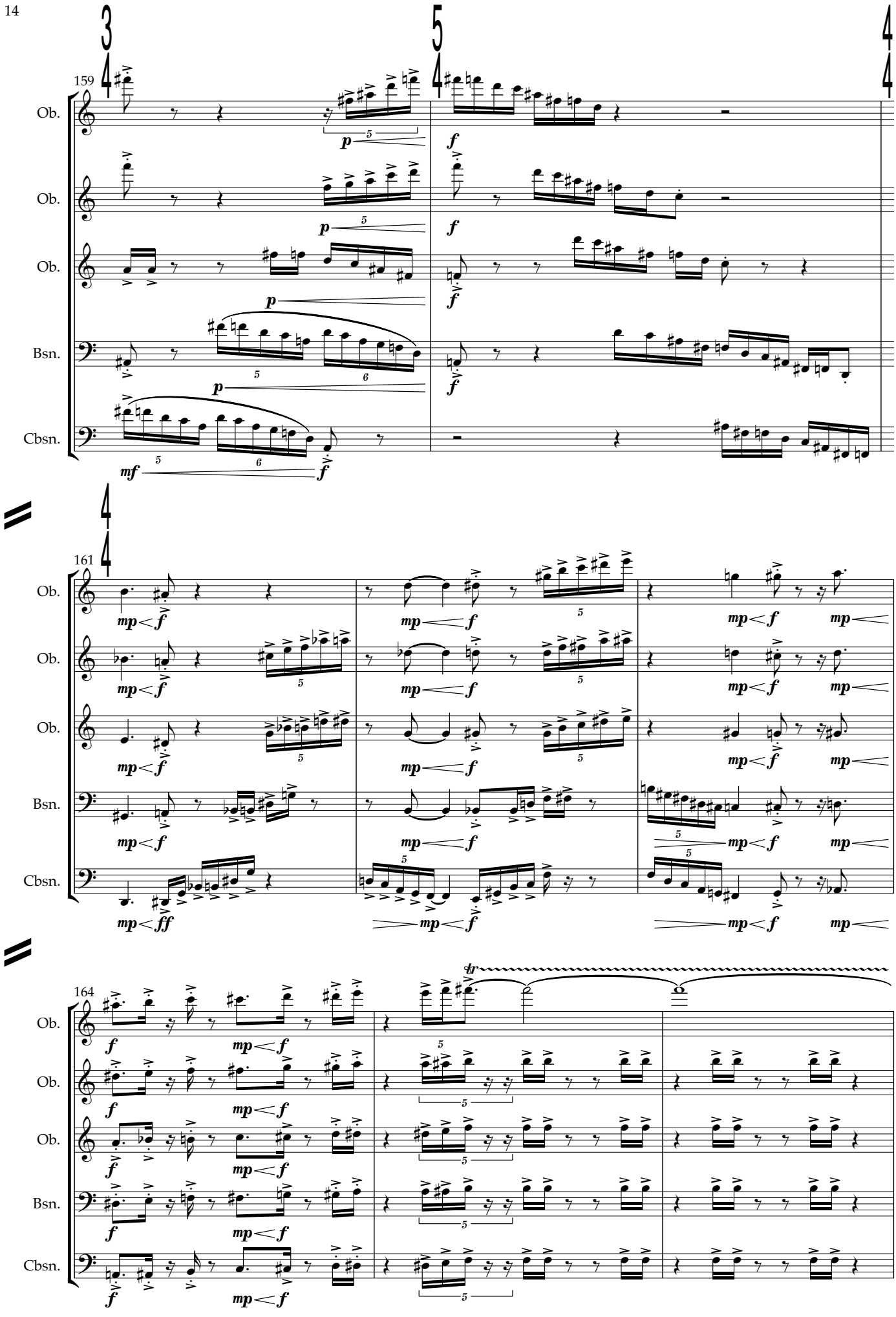

107
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
mf > pp > n
pp
ppp
113
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
mf > n
ppp
pp
f
p
mf
fp
sfzp
mp
117
Eng. Hn.
Bsn.
Cbsn.
p
mf
f

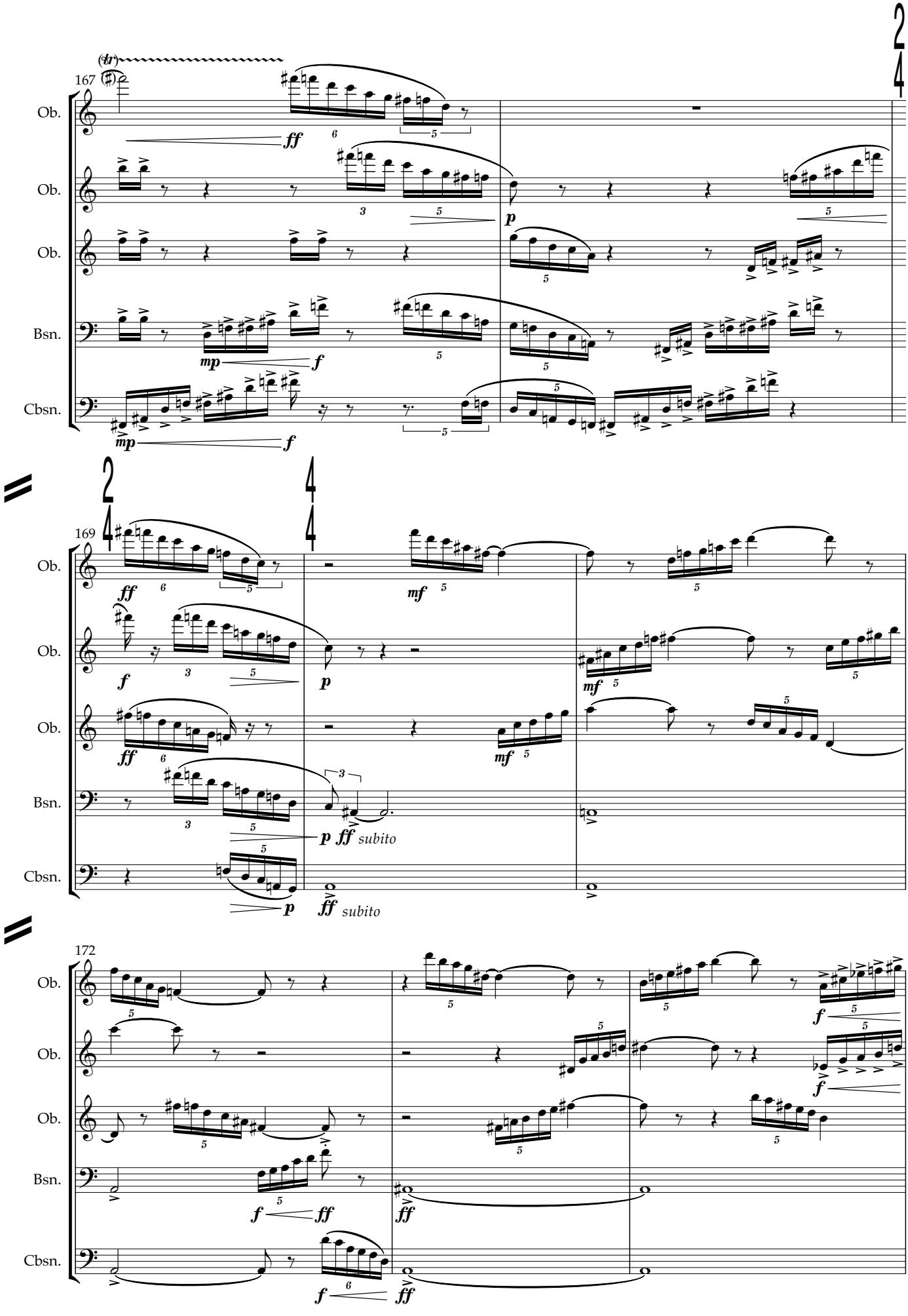

122
Eng. Hn.
Bsn.
Cbsn.
125
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.

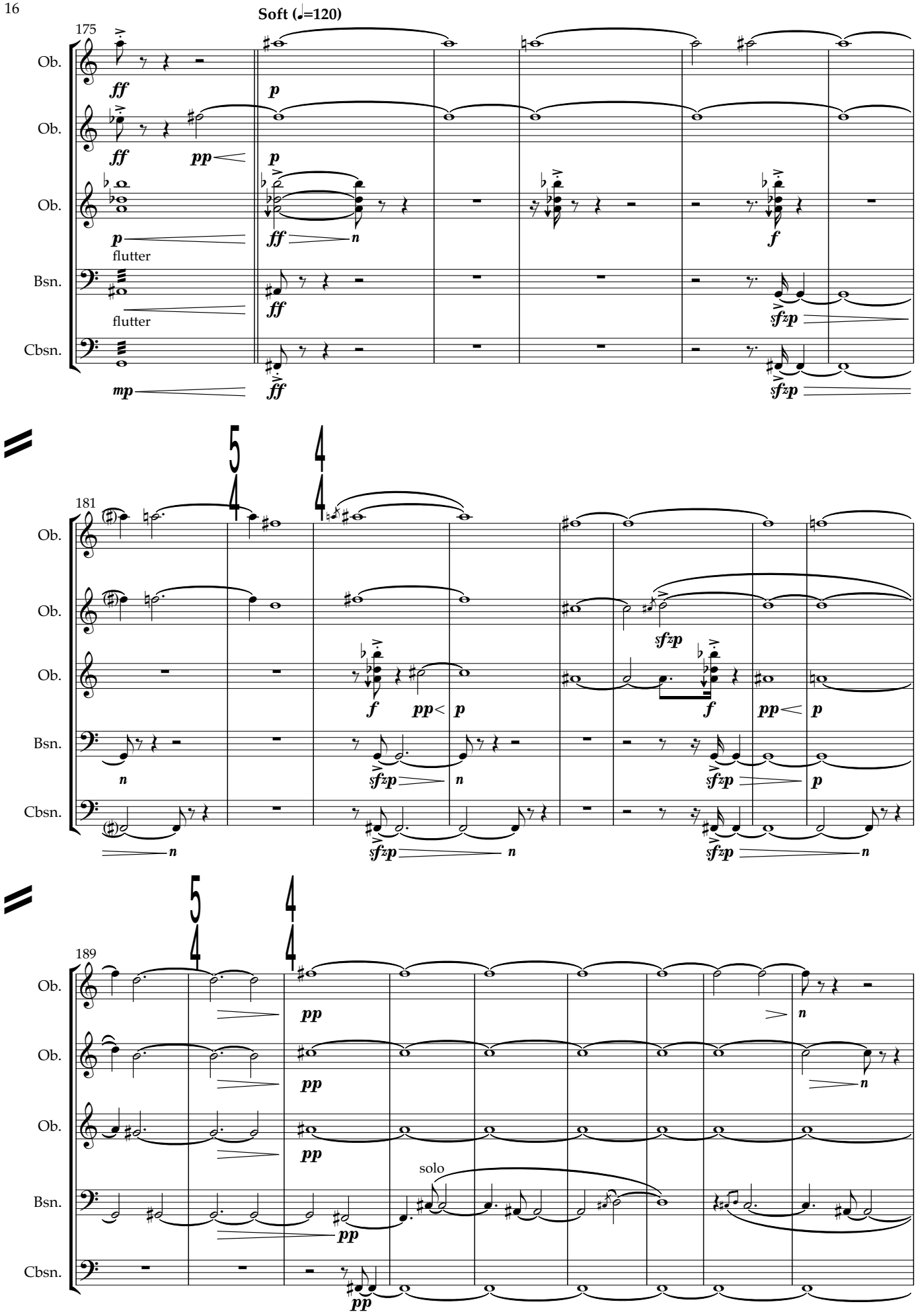

Fast (♩=160)
127
Ob.
Ob.
Eng. Hn.
130
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
133
Ob.
Eng. Hn.
Bsn.
Cbsn.

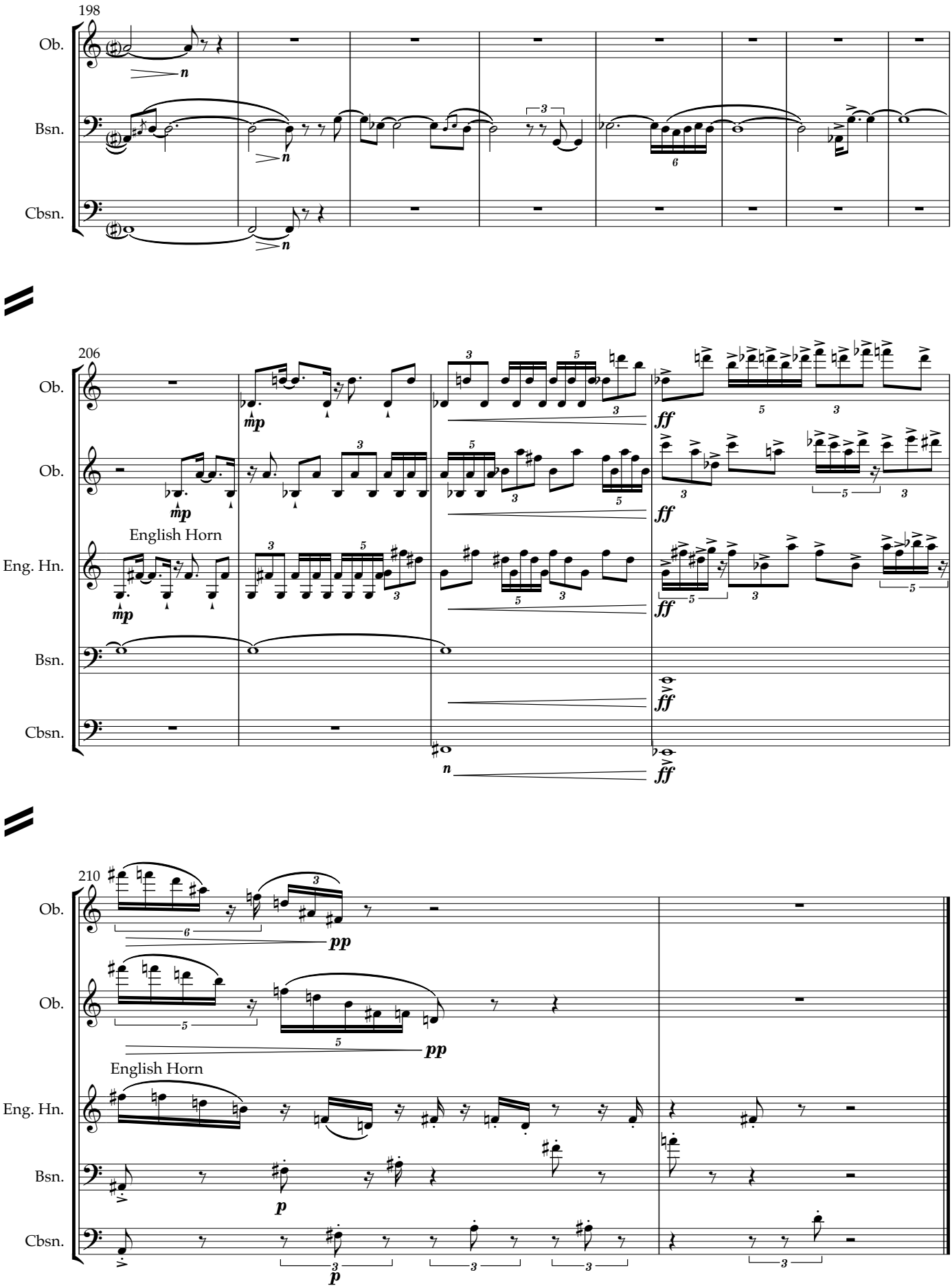

136
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
flutter
140
gliss.
subito
subito
145
tr
tr


150
Ob.
Ob.
Eng. Hn.
Bsn.
Cbsn.
Oboe
Enegetic (♩=126)
153
156


159
Ob.
Ob.
Ob.
Bsn.
Cbsn.
161
Ob.
Ob.
Ob.
Bsn.
Cbsn.
164
Ob.
Ob.
Ob.
Bsn.
Cbsn.


167
(tr)
Ob.
Ob.
Ob.
Bsn.
Cbsn.
ff
p
mp
f
2/4
4/4
169
mf
subito
172


Soft (♩=120)
175
Ob.
Ob.
Ob.
Bsn.
Cbsn.
flutter
flutter
181
189
solo


198
Ob.
Bsn.
Cbsn.
206
Ob.
Ob.
English Horn
Eng. Hn.
Bsn.
Cbsn.
210
Ob.
Ob.
English Horn
Eng. Hn.
Bsn.
Cbsn.