

half-normal

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the piece consists of 32 elements/sounds. each element must be distinct from the rest in at least one of three ways: a distinct pitch (though the instrument need not be pitched at all), a distinct timbre, or a distinct source location (reasonably far apart). the sounds must be able to be punctuated/short and have a long decay (by being able to fade out as with wind and string instruments or having a natural decay as with some percussion instruments). any sound that has a decay may also be doubled with its punctuated form (this is likely necessary actually). that is, an element may consist of 2 sources: one that plays the punctuated form and one that plays the decaying form. in this case, the sources must be located together and have either the same pitch or the same timbre.

included are three documentations of the work: a more traditional score in standard music notation, a type of ascii tablature, and a dataset.

the dataset is perhaps the most basic. the first number in a row is a timestamp (in units that should be equivalent to 1 sixteenth note at approximately 120 quarter notes per second (or as fast as possible)). the following number(s) are the index of the elements from (1 to 32). if the number has a '+' sign appended to it, that indicates that the tone should be played with a decay, otherwise it is punctuated/short.

the ascii tablature splits the 32 elements into groups of 4 each given as a row in what is equivalent to a system in traditional music notation (above and at the beginning of each system is a number equivalent to a measure number). time is indicated horizontally by columns (each equivalent to a sixteenth note at the tempo explained above) and further grouped horizontally into beats and measures (correlated to the musical score; explained below). a '-' indicates not to play. an 'x' indicates a punctuated/short tone. and an 'o' indicates a tone with a long decay.

the traditional music score splits the 32 elements between two instruments given by the middle 2 staves. the tones with long decay are doubled in the staff above or below and further indicated with a *laisse-vibrer* tie. for example, the score could be realized by two pianos (no pedal) reading from the middle two staves and vibraphones (pedal throughout) reading the outer 2 staves.

half-normal

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System 1: Four staves of music. The first two staves contain melodic lines with notes and rests. The third and fourth staves contain rhythmic accompaniment with eighth and sixteenth notes.

9



System 2: Four staves of music. The first two staves continue the melodic lines. The third and fourth staves continue the rhythmic accompaniment.

16



System 3: Four staves of music. The first two staves show more complex melodic patterns. The third and fourth staves continue the rhythmic accompaniment.

23



System 4: Four staves of music. The first two staves feature intricate melodic passages. The third and fourth staves continue the rhythmic accompaniment.

29

Musical score for measures 29-34. The system consists of four staves. The top staff contains a melodic line with notes and rests. The second staff contains a more complex melodic line with many beamed eighth notes. The third and fourth staves contain accompaniment with rhythmic patterns and rests.

35

Musical score for measures 35-39. The system consists of four staves. The top staff continues the melodic line. The second staff has a dense texture of beamed eighth notes. The third and fourth staves provide a steady accompaniment.

40

Musical score for measures 40-44. The system consists of four staves. The top staff features a melodic line with some longer note values. The second staff continues with beamed eighth notes. The third and fourth staves maintain the accompaniment.

45

Musical score for measures 45-49. The system consists of four staves. The top staff has a melodic line with some rests. The second staff continues with beamed eighth notes. The third and fourth staves provide the accompaniment.

50

Musical score for measures 50-53. The system consists of four staves. The top staff has a treble clef and contains a melodic line with a fermata over the first measure. The second staff has a treble clef and contains a melodic line with a fermata over the first measure. The third staff has a treble clef and contains a melodic line with a fermata over the first measure. The bottom staff has a bass clef and contains a melodic line with a fermata over the first measure.

54

Musical score for measures 54-57. The system consists of four staves. The top staff has a treble clef and contains a melodic line with a fermata over the first measure. The second staff has a treble clef and contains a melodic line with a fermata over the first measure. The third staff has a treble clef and contains a melodic line with a fermata over the first measure. The bottom staff has a bass clef and contains a melodic line with a fermata over the first measure.

58

Musical score for measures 58-61. The system consists of four staves. The top staff has a treble clef and contains a melodic line with a fermata over the first measure. The second staff has a treble clef and contains a melodic line with a fermata over the first measure. The third staff has a treble clef and contains a melodic line with a fermata over the first measure. The bottom staff has a bass clef and contains a melodic line with a fermata over the first measure.

62

Musical score for measures 62-65. The system consists of four staves. The top staff has a treble clef and contains a melodic line with a fermata over the first measure. The second staff has a treble clef and contains a melodic line with a fermata over the first measure. The third staff has a treble clef and contains a melodic line with a fermata over the first measure. The bottom staff has a bass clef and contains a melodic line with a fermata over the first measure.

66

Musical score for measures 66-69. The system consists of four staves. The top staff (treble clef) contains a melodic line with notes and rests. The second staff (treble clef) contains a complex accompaniment with many sixteenth notes and slurs. The third staff (treble clef) contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff (bass clef) contains a simple bass line with notes and rests.

70

Musical score for measures 70-73. The system consists of four staves. The top staff (treble clef) contains a melodic line with notes and rests. The second staff (treble clef) contains a complex accompaniment with many sixteenth notes and slurs. The third staff (treble clef) contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff (bass clef) contains a simple bass line with notes and rests.

74

Musical score for measures 74-77. The system consists of four staves. The top staff (treble clef) contains a melodic line with notes and rests. The second staff (treble clef) contains a complex accompaniment with many sixteenth notes and slurs. The third staff (treble clef) contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff (bass clef) contains a simple bass line with notes and rests.

78

Musical score for measures 78-81. The system consists of four staves. The top staff (treble clef) contains a melodic line with notes and rests. The second staff (treble clef) contains a complex accompaniment with many sixteenth notes and slurs. The third staff (treble clef) contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff (bass clef) contains a simple bass line with notes and rests.

82

Musical score for measures 82-85. The system consists of four staves. The top staff contains a melodic line with rests in measures 82 and 83, followed by notes in 84 and 85. The second staff contains a complex accompaniment with many sixteenth notes and rests. The third staff continues the accompaniment with similar rhythmic patterns. The bottom staff has rests in measures 82-84 and a few notes in measure 85.

86

Musical score for measures 86-89. The system consists of four staves. The top staff has rests in measures 86 and 87, then notes in 88 and 89. The second staff features a dense accompaniment of sixteenth notes. The third staff continues the accompaniment with various rhythmic figures. The bottom staff has rests in measures 86-88 and notes in measure 89.

90

Musical score for measures 90-93. The system consists of four staves. The top staff has rests in measures 90 and 91, then notes in 92 and 93. The second staff contains a complex accompaniment with many sixteenth notes and rests. The third staff continues the accompaniment with similar rhythmic patterns. The bottom staff has rests in measures 90-92 and notes in measure 93.

94

Musical score for measures 94-97. The system consists of four staves. The top staff has rests in measures 94 and 95, then notes in 96 and 97. The second staff features a dense accompaniment of sixteenth notes. The third staff continues the accompaniment with various rhythmic figures. The bottom staff has rests in measures 94-96 and notes in measure 97.

98

Musical score for measures 98-101. The system consists of four staves. The top staff is a vocal line with rests. The second staff is a piano accompaniment with complex rhythmic patterns and accidentals. The third staff is a piano accompaniment with a steady eighth-note pattern. The bottom staff is a piano accompaniment with rests.

102

Musical score for measures 102-105. The system consists of four staves. The top staff is a vocal line with rests. The second staff is a piano accompaniment with complex rhythmic patterns and accidentals. The third staff is a piano accompaniment with a steady eighth-note pattern. The bottom staff is a piano accompaniment with rests.

106

Musical score for measures 106-109. The system consists of four staves. The top staff is a vocal line with rests. The second staff is a piano accompaniment with complex rhythmic patterns and accidentals. The third staff is a piano accompaniment with a steady eighth-note pattern. The bottom staff is a piano accompaniment with rests.

110

Musical score for measures 110-113. The system consists of four staves. The top staff is a vocal line with rests. The second staff is a piano accompaniment with complex rhythmic patterns and accidentals. The third staff is a piano accompaniment with a steady eighth-note pattern. The bottom staff is a piano accompaniment with rests.

114

Musical score for measures 114-116. The system consists of four staves. The top staff is a vocal line with lyrics. The second staff is a piano accompaniment with chords and arpeggiated figures. The third staff is a bass line with eighth-note patterns. The fourth staff is a bass line with a simple eighth-note accompaniment.

117

Musical score for measures 117-119. The system consists of four staves. The top staff is a vocal line with lyrics. The second staff is a piano accompaniment with chords and arpeggiated figures. The third staff is a bass line with eighth-note patterns. The fourth staff is a bass line with a simple eighth-note accompaniment.

120

Musical score for measures 120-122. The system consists of four staves. The top staff is a vocal line with lyrics. The second staff is a piano accompaniment with chords and arpeggiated figures. The third staff is a bass line with eighth-note patterns. The fourth staff is a bass line with a simple eighth-note accompaniment.

123

Musical score for measures 123-125. The system consists of four staves. The top staff is a vocal line with lyrics. The second staff is a piano accompaniment with chords and arpeggiated figures. The third staff is a bass line with eighth-note patterns. The fourth staff is a bass line with a simple eighth-note accompaniment.

126

Musical score for measures 126-128. The system consists of four staves. The top staff is a vocal line with rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with similar rhythmic patterns. The bottom staff is a bass line with a few notes and rests.

129

Musical score for measures 129-131. The system consists of four staves. The top staff is a vocal line with notes and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with similar rhythmic patterns. The bottom staff is a bass line with a few notes and rests.

132

Musical score for measures 132-134. The system consists of four staves. The top staff is a vocal line with notes and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with similar rhythmic patterns. The bottom staff is a bass line with a few notes and rests.

135

Musical score for measures 135-137. The system consists of four staves. The top staff is a vocal line with notes and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with similar rhythmic patterns. The bottom staff is a bass line with a few notes and rests.

138

Musical score for measures 138-140. The system consists of four staves. The top staff has a treble clef and a key signature of one flat (B-flat). It contains a melodic line with notes and rests. The second staff has a treble clef and contains a complex chordal accompaniment with many beamed notes. The third staff has a treble clef and contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff has a bass clef and contains a simple bass line with notes and rests.

141

Musical score for measures 141-143. The system consists of four staves. The top staff has a treble clef and a key signature of one flat (B-flat). It contains a melodic line with notes and rests. The second staff has a treble clef and contains a complex chordal accompaniment with many beamed notes. The third staff has a treble clef and contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff has a bass clef and contains a simple bass line with notes and rests.

144

Musical score for measures 144-147. The system consists of four staves. The top staff has a treble clef and a key signature of one flat (B-flat). It contains a melodic line with notes and rests. The second staff has a treble clef and contains a complex chordal accompaniment with many beamed notes. The third staff has a treble clef and contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff has a bass clef and contains a simple bass line with notes and rests.

148

Musical score for measures 148-151. The system consists of four staves. The top staff has a treble clef and a key signature of one flat (B-flat). It contains a melodic line with notes and rests. The second staff has a treble clef and contains a complex chordal accompaniment with many beamed notes. The third staff has a treble clef and contains a rhythmic accompaniment with eighth and sixteenth notes. The bottom staff has a bass clef and contains a simple bass line with notes and rests.

152

Musical score for measures 152-155. The system consists of four staves. The top staff is a vocal line with a melodic line and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with a different rhythmic texture. The bottom staff is a bass line with a simple melodic line.

156

Musical score for measures 156-159. The system consists of four staves. The top staff is a vocal line with a melodic line and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with a different rhythmic texture. The bottom staff is a bass line with a simple melodic line.

160

Musical score for measures 160-162. The system consists of four staves. The top staff is a vocal line with a melodic line and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with a different rhythmic texture. The bottom staff is a bass line with a simple melodic line.

163

Musical score for measures 163-165. The system consists of four staves. The top staff is a vocal line with a melodic line and rests. The second staff is a piano accompaniment with a complex rhythmic pattern of eighth and sixteenth notes. The third staff continues the piano accompaniment with a different rhythmic texture. The bottom staff is a bass line with a simple melodic line.

166

Musical score for measures 166-168. The system consists of four staves. The top staff is a vocal line with a melodic line and a fermata over the final note. The second staff is a piano accompaniment with a complex rhythmic pattern. The third staff is a piano accompaniment with a melodic line. The bottom staff is a piano accompaniment with a bass line.

169

Musical score for measures 169-171. The system consists of four staves. The top staff is a vocal line with a melodic line. The second staff is a piano accompaniment with a complex rhythmic pattern. The third staff is a piano accompaniment with a melodic line. The bottom staff is a piano accompaniment with a bass line.

172

Musical score for measures 172-174. The system consists of four staves. The top staff is a vocal line with a melodic line and a fermata over the final note. The second staff is a piano accompaniment with a complex rhythmic pattern. The third staff is a piano accompaniment with a melodic line. The bottom staff is a piano accompaniment with a bass line.

175

Musical score for measures 175-177. The system consists of four staves. The top staff is a vocal line with a melodic line. The second staff is a piano accompaniment with a complex rhythmic pattern. The third staff is a piano accompaniment with a melodic line. The bottom staff is a piano accompaniment with a bass line.

179

Musical score for measures 179-182. The score consists of four staves. The top staff is a treble clef with a whole rest. The second staff is a treble clef with a key signature of one flat (B-flat) and contains a complex melodic line with many accidentals and slurs. The third staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The bottom staff is a bass clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs.

183

Musical score for measures 183-186. The score consists of four staves. The top staff is a treble clef with a whole rest. The second staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The third staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The bottom staff is a bass clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs.

187

Musical score for measures 187-190. The score consists of four staves. The top staff is a treble clef with a whole rest. The second staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The third staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The bottom staff is a bass clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs.

191

Musical score for measures 191-194. The score consists of four staves. The top staff is a treble clef with a whole rest. The second staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The third staff is a treble clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs. The bottom staff is a bass clef with a key signature of one flat and contains a complex melodic line with many accidentals and slurs.

195

Musical score for measures 195-198. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests, including a sharp sign in the second measure. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

199

Musical score for measures 199-202. The score consists of four staves. The top staff has a few notes and rests. The second staff has a melodic line with notes and rests. The third staff has a complex rhythmic accompaniment with many sixteenth notes. The bottom staff has a bass line with notes and rests.

203

Musical score for measures 203-206. The score consists of four staves. The top staff has a few notes and rests. The second staff has a melodic line with notes and rests. The third staff has a complex rhythmic accompaniment with many sixteenth notes. The bottom staff has a bass line with notes and rests.

207

Musical score for measures 207-210. The score consists of four staves. The top staff has a few notes and rests. The second staff has a melodic line with notes and rests. The third staff has a complex rhythmic accompaniment with many sixteenth notes. The bottom staff has a bass line with notes and rests.

211

215

219

223

227

Musical score for measures 227-230. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

231

Musical score for measures 231-234. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

235

Musical score for measures 235-238. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

239

Musical score for measures 239-242. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

243

Musical score for measures 243-246. The score consists of four staves. The top staff is mostly empty. The second staff contains a melodic line with notes and rests, including a fermata over the final note. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

247

Musical score for measures 247-250. The score consists of four staves. The top staff contains a melodic line with notes and rests, including a fermata over the final note. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

251

Musical score for measures 251-254. The score consists of four staves. The top staff contains a melodic line with notes and rests, including a fermata over the final note. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

255

Musical score for measures 255-258. The score consists of four staves. The top staff contains a melodic line with notes and rests, including a fermata over the final note. The second staff contains a melodic line with notes and rests. The third staff contains a complex rhythmic accompaniment with many sixteenth notes. The bottom staff contains a bass line with notes and rests.

259

Musical score for measures 259-263. The score consists of four staves. The top staff contains a melodic line with a final note marked with a flat (b). The second staff features a complex rhythmic accompaniment with many beamed eighth and sixteenth notes. The third staff continues the accompaniment with similar rhythmic patterns. The bottom staff shows a bass line with a few notes, including a final note marked with a flat (b).

264

Musical score for measures 264-268. The score consists of four staves. The top staff has a melodic line ending with a note marked with a flat (b). The second staff has a complex rhythmic accompaniment. The third staff continues the accompaniment. The bottom staff shows a bass line with a few notes, including a final note marked with a flat (b).

269

Musical score for measures 269-273. The score consists of four staves. The top staff has a melodic line ending with a note marked with a flat (b). The second staff has a complex rhythmic accompaniment. The third staff continues the accompaniment. The bottom staff shows a bass line with a few notes, including a final note marked with a flat (b).

274

Musical score for measures 274-278. The score consists of four staves. The top staff has a melodic line. The second staff has a complex rhythmic accompaniment. The third staff continues the accompaniment. The bottom staff shows a bass line with a few notes, including a final note marked with a flat (b).

279

Musical score for measures 279-283. The score consists of four staves. The top staff contains a melodic line with a flat (b) and a fermata. The second staff contains a complex rhythmic pattern with many slurs and accents. The third and fourth staves provide harmonic accompaniment with various chords and melodic fragments.

284

Musical score for measures 284-288. The score consists of four staves. The top staff has a melodic line with a fermata. The second staff features a complex rhythmic pattern with many slurs and accents. The third and fourth staves provide harmonic accompaniment with various chords and melodic fragments.

289

Musical score for measures 289-294. The score consists of four staves. The top staff has a melodic line with a flat (b) and a fermata. The second staff contains a complex rhythmic pattern with many slurs and accents. The third and fourth staves provide harmonic accompaniment with various chords and melodic fragments.

295

Musical score for measures 295-300. The score consists of four staves. The top staff has a melodic line with a flat (b) and a fermata. The second staff contains a complex rhythmic pattern with many slurs and accents. The third and fourth staves provide harmonic accompaniment with various chords and melodic fragments.

301

Musical score for system 301, measures 301-307. The system consists of four staves. The top staff is a treble clef with a melodic line. The second staff is a treble clef with a melodic line and includes a key signature change to one flat (B-flat) in measure 303. The third and fourth staves are bass clefs with a rhythmic accompaniment. The music features eighth and sixteenth notes, rests, and dynamic markings.

308

Musical score for system 308, measures 308-314. The system consists of four staves. The top staff is a treble clef with a melodic line. The second staff is a treble clef with a melodic line and includes a key signature change to two flats (B-flat and E-flat) in measure 308. The third and fourth staves are bass clefs with a rhythmic accompaniment. The music features eighth and sixteenth notes, rests, and dynamic markings.

315

Musical score for system 315, measures 315-321. The system consists of four staves. The top staff is a treble clef with a melodic line. The second staff is a treble clef with a melodic line. The third and fourth staves are bass clefs with a rhythmic accompaniment. The music features eighth and sixteenth notes, rests, and dynamic markings.

323

Musical score for system 323, measures 323-329. The system consists of four staves. The top staff is a treble clef with a melodic line. The second staff is a treble clef with a melodic line. The third and fourth staves are bass clefs with a rhythmic accompaniment. The music features eighth and sixteenth notes, rests, and dynamic markings.

1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
36	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
41	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	x-
46	o-	----	----	-x	----	----	----	----	----	----	x-	----	----	----	----	----	----	----	----
51	-x-	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	x-	----	-x-
56	-x-	----	----	----	----	x-	----	----	----	----	----	x-	----	----	----	----	----	o-	----
61	----	----	----	-x-	----	----	----	----	-x-	----	----	----	-x-	----	----	----	----	----	-x-
66	----	----	----	----	x-	----	----	----	-x-	----	----	----	----	x-	----	----	----	----	----
71	o-	----	----	----	x-	----	----	----	----	-x-	----	----	----	----	----	x-	----	----	----
76	----	-x-	----	----	-x-	----	----	----	x-	----	----	----	----	-x-	----	----	----	----	----
81	-x-	----	----	-x-	----	----	----	----	----	----	x-	----	----	-x-	----	----	----	----	-x-
86	x-	----	-x-	----	-x-	----	----	-x-	----	----	x-	----	-x-	----	----	x-	----	----	-x-
91	----	-x-	----	x-	----	----	x-	----	-x-	----	x-	----	-x-	----	-x-	----	x-	----	-x-
96	x-	----	-x-	----	x-	----	o-	----	-x-	----	----	x-	----	-x-	----	x-	----	-x-	----
101	-x-	----	----	-x-	----	----	----	-x-	----	----	-x-	----	----	-x-	----	x-	----	----	----
106	-x-	----	----	-x-	----	----	x-	----	----	----	x-	----	----	-x-	----	----	x-	----	----
111	----	----	x-	----	----	-x-	----	----	----	x-	----	----	----	----	----	x-	----	----	-x-

236

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251

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301

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331

1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	-x-	----	----	o-	----	----	----	-x-	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----	x-	----	----	----	----	-x-	x-
26	----	----	xx-	----	----	----	-x-	----	----	----	----	----	----	----	-x-	----	----	----	----
31	----	----	o-	----	----	----	x-	----	----	----	----	----	----	----	----	x-	----	----	----
36	----	o-	----	x-	----	----	-x-	----	----	----	----	----	----	----	----	----	----	o-	----
41	----	x-	----	----	----	----	----	----	o-	----	----	----	----	----	o-	----	----	----	----
46	----	----	----	ox-	----	----	----	----	----	x-	----	----	----	----	----	----	----	----	----
51	----	----	----	----	----	x-	----	----	----	x-	----	----	x-x	----	----	----	-x-	----	----
56	----	x-	----	----	----	x-	----	----	----	x-	----	----	----	----	x-	----	----	o-	----
61	----	----	----	x-	----	----	----	----	----	----									
66	----	ox	----	----	----	----	----	x-	----	----	x-	----	----	o-xx	----	----	----	-x-	----
71	----	x-	o-	----	----	x-	xx-	----	x-	x-	----	x-	----	----	x-	----	----	x-	----
76	----	x-	----	x-	----	----	----	-x-	----	----	-x-	----	----	x-	----	x-	----	----	x-
81	----	x-	o-	----	----	----	----	x-	----	----	----	----	----	----	----	----	----	x-	o-
86	----	----	----	----	----	x-	----	o-	----	----	----	----	o-	----	----	o-	----	----	----
91	----	----	x-	x-	----	----	----	----	----	----	----	----	x-	xo	----	----	----	x-	----
96	----	----	----	----	o-	----	----	----	----	----	----	----	----	----	----	o-x	----	x-	----
101	----	----	x-	----	----	o-	----	----	x-	----	----	----	----	x-	----	----	x-	----	----
106	----	----	----	----	o-	----	x-	x-	----	----	----	----	----	----	x-	----	o-	----	x-
111	----	x-	----	----	----	----	----	----	x-	x-	----	----	x-	----	----	x-	----	----	----

116
o--- --x--- --x---

121

126
-x--- --x---

131

136
x--- --x--- x---

141
x--- x--- x---

146

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0 23	620 11	885 2	1083 13	1248 7
28 23+	623 13	887 13	1084 31	1249 11
67 23+	627 11	890 13+ 23	1086 20	1250 20
90 23	632 23	892 9+	1090 23	1254 27
106 23	636 31+	896 13	1093 7+	1255 31
127 13	640 11	898 11	1094 11	1257 11 13 23
139 13	643 13+ 20 31	903 20 23	1096 31+	1258 9+
150 23	650 23	904 31	1098 9 31	1260 13 20 31
151 23	659 13+	906 2 13	1099 31	1262 2
154 13	671 20	908 13	1100 13	1269 7
161 13	672 11	909 9	1103 2	1271 11 23 31
187 23+	678 23	912 13	1105 20	1272 22
190 13	679 31+	917 11	1107 23	1274 20
221 13	680 20	920 13	1110 23+ 28	1278 11
232 23	689 13	924 31	1114 31	1281 13
235 13	690 23+	925 20	1115 11	1282 2
241 13	691 11+	926 9	1121 7 9 13 23 31	1283 22
243 13	706 13+ 31+	931 9	1123 20	1284 20
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265 31	711 13	936 2 13	1126 2+ 13	1286 9 31
270 13	712 2	940 13+	1128 23	1289 28
276 31+	715 20	941 31	1129 31+	1292 11 27+
293 31	716 11 23+	946 11	1136 20	1294 31+
302 13+	718 13	954 2+ 7	1137 23	1295 11
305 23	724 2+	955 23+	1139 7	1297 2 9
323 31+	725 13	956 31+	1140 2	1299 12 20 23
337 13	727 13	963 20	1143 28 31	1301 11
339 13	732 23	964 13 23	1146 9 23	1303 7
344 23	734 23	967 9 23+	1147 11	1305 20
356 13	736 31+	970 7	1148 13 31	1309 11
367 23	737 31	972 31	1149 31	1311 2 27
372 31	739 2 20	977 13	1153 20	1312 11 23
393 23	742 13	978 2 11	1155 23 27	1313 20+
394 31	746 11	980 20+	1157 31	1314 31
396 31	761 20 31	981 9	1160 31	1315 9
397 13	766 13	982 13	1162 7	1317 13
400 13	772 2	984 9 31	1163 11 28	1318 20 22
408 31	777 13	986 7 23+	1165 2 13 27	1319 11
409 31	783 20 31	989 23+	1167 23 31	1321 11
410 13	787 11	994 23+	1169 27	1322 7 20
424 11+ 23	789 23	996 31	1179 20	1324 28
429 31	794 13	997 2 13 23	1182 7 11 31	1326 2
434 13	803 23+	1006 11 13	1184 2 9	1328 12 13
444 23	805 2	1008 23	1186 20	1331 9
454 11	807 13	1010 13	1187 28	1332 28
459 13	811 11	1012 23	1188 13	1334 20
461 31	812 13	1013 20+	1192 31	1335 11
470 11	815 2	1014 31	1193 23	1336 11+
474 23	816 11	1018 2	1197 11	1337 2
479 31	817 13+	1019 20	1202 7 13+	1338 27
487 31+	819 20	1021 9	1204 31	1341 7
503 23+	824 31	1023 7	1206 20+	1342 13 20+
505 11	825 11	1029 11 13	1209 2	1349 12
508 31	829 23	1034 23	1211 31	1350 9
510 13	832 13	1036 20	1212 7	1351 13 22
515 23	834 13	1037 2	1213 11 13	1353 28 31
518 11+	836 11 20	1039 23	1214 23	1354 2 20
541 13	839 20+	1042 7	1215 27	1355 20
547 31	841 31	1046 31+	1218 28	1356 31+
552 20	843 9	1047 31	1219 20	1358 7
555 23+	845 23	1049 20	1220 11	1359 23
563 11	846 13	1052 23	1221 9 23	1361 9+ 11
565 31+	852 11 31	1053 13	1223 2	1362 26
572 31	855 31	1056 9 11	1224 23+ 27	1364 2 20
573 11+	861 20	1061 2	1227 20	1365 27
574 23	864 2	1064 28+	1228 13	1367 20
577 13+	865 23	1066 9+	1231 2	1369 12
581 20	866 13	1070 20 28+	1233 23 31	1371 11
582 23	869 31	1072 31	1235 11 28	1374 2
587 31	870 11	1076 13+	1238 7	1375 31
589 20	877 2	1077 11	1239 28	1376 7+ 22+
593 13	880 13 23+	1078 2	1240 20+	1377 20+ 28
595 13+	882 20	1079 23	1243 31	1378 27
596 11	883 20	1080 23	1244 2 9	1380 22
612 20 23	884 31	1082 7	1247 22+	1381 20 23

1383 2 13+	1525 9	1643 20+ 23	1772 7	1877 14
1385 9 11 31	1527 20	1646 2 12	1773 9	1878 22
1386 20	1528 13 27	1647 9+ 22	1776 22 27	1880 17 26 27 28
1390 7+	1530 14	1648 7	1779 4 28	1881 20+ 31+
1392 22	1532 7 26	1649 28	1780 26	1882 7 12
1393 20+ 31+	1533 2	1653 9 14 26	1781 7 14+	1883 24
1394 2 12	1534 23	1654 2	1782 12	1885 22 27
1397 11	1537 12	1655 7 11+ 13 20 30	1783 2	1887 28
1399 20 23 26+	1538 20 22+	1656 27	1785 9 11	1888 4 20
1402 9	1539 9	1657 4	1786 28	1889 2 27 30
1405 11 28	1541 2 28 31+	1661 9	1787 16+ 27	1890 12
1407 20	1542 13	1662 7	1789 22 23	1891 18
1408 2	1543 11	1663 12 28	1791 11	1892 22 26
1409 7 12	1545 7	1665 23	1792 7+	1893 14+ 27
1411 27	1546 13	1666 17 22 31	1793 17 28	1894 9+ 21
1413 11 31+	1548 2+ 20	1667 2 7 9	1794 24 26	1895 28
1414 26	1549 17	1669 11+ 30	1796 9 12 20	1896 17
1418 2 9	1552 9	1670 27	1797 24 27	1897 12 27
1419 13	1553 13 22	1671 7 9	1799 30	1898 22
1422 20	1555 17 27	1676 7+ 20 28	1800 4 28 31	1899 7
1426 28	1557 2 7 28	1677 9+ 26	1801 14+ 22	1901 27
1427 2 7	1559 12	1682 2 12	1804 7	1902 16
1428 11 31+	1564 17 26	1683 4 7 22	1805 24	1903 2 26 28
1429 12 22	1565 11 23	1684 17	1806 2 28 30	1904 12 22
1432 20	1566 9	1686 14 27	1807 27	1905 27
1433 22 23	1567 4 20 31	1687 9+	1808 9	1907 4 24
1434 13 27	1568 2	1688 7	1809 12	1908 11
1435 9	1569 7	1690 11 28	1811 20 26 28+	1909 22
1437 2	1570 22	1692 4	1812 17	1910 12 14 27
1438 26	1571 28+	1693 2	1813 22	1911 31
1444 7+ 26	1572 12	1694 7 9 23+	1815 30	1912 9 28
1445 28	1573 27	1695 17	1816 27	1913 26
1446 13 23	1574 17	1696 26+	1817 7 9+ 28	1914 17 22 30
1447 2	1576 9	1697 13+	1819 4 14	1915 7 27 31
1448 11	1579 2 14	1699 16	1820 23+	1916 12
1449 12 20 31	1580 7	1700 12 22	1821 12+ 24	1918 21
1450 9	1581 20	1701 4 7 9+ 27 28+	1822 28+	1919 22 23
1452 2 31	1583 23 26	1706 20+ 31+	1823 11	1920 27+ 28
1456 27	1585 13	1707 7 9	1824 22 27	1921 12 18
1457 13	1586 2 11 31+	1708 2	1827 7 20 26	1923 22 26+
1458 2 7	1587 31	1711 26 30	1828 2 28 30	1925 4
1460 20	1588 9 28	1712 7	1831 16	1926 12 27
1465 22	1589 4	1714 11 28	1832 9 27	1927 14 22
1466 11 20 28	1590 7 27	1715 9 27 31	1833 12 28	1928 2
1468 2 9	1591 22 31	1716 14	1834 22	1929 9
1470 23	1593 20	1718 22	1835 14	1930 7 16 28
1472 26 27	1594 2 9	1719 7 12	1836 20+	1931 12 22+
1474 2 20+	1596 12	1720 20	1837 16 28	1932 17 26 27 30
1475 7	1598 14	1723 17	1838 4	1933 20+
1477 11 12	1599 4 7+	1724 13	1839 7 17 27	1935 12 22
1478 13	1603 2	1725 2 9 28	1840 31+	1936 11
1480 14	1604 28	1726 7 23	1841 26	1939 12 22 27 28
1481 2	1605 9 13 27	1727 4	1842 28	1940 23
1484 9 14+	1606 11	1729 24 26 27	1844 12 20 22	1941 4 11 26
1486 28	1608 7	1730 17	1846 27 30	1942 31
1487 12	1609 17 30	1732 11	1847 2 28	1943 12 22
1489 2 7	1610 22 26+	1733 22	1848 9	1944 24
1491 31	1611 14	1734 7	1850 21	1945 9 14 21
1493 20	1615 9 12	1735 9 12 28	1852 24+ 31	1946 27
1494 31	1616 7 20	1739 2 30	1853 7 22 27+ 28	1947 12 22
1495 2 31+	1618 23	1741 14 20	1854 4 11 12	1948 7 17
1496 22	1619 2 28	1742 7 9 27	1855 26	1949 26 28
1497 28	1622 4	1745 26 28	1856 17	1950 12
1499 9 11 13	1623 27	1748 22	1857 23	1951 22 30
1500 26	1624 7+	1749 11 23	1858 14	1952 18
1502 2 27	1625 17	1751 2	1859 27	1953 2 12 27
1503 20	1626 9	1752 7 12 31+	1860 28	1954 18
1504 7 14	1627 30+	1753 9	1862 9 22	1955 22
1506 31	1629 12 13+	1754 27 28	1864 12	1956 11 12 26
1508 2 11	1630 11 22+	1756 30 31	1865 27	1957 24
1511 9	1632 26	1757 4	1866 20 28	1958 4
1513 11 13	1633 2 7	1761 7 16 17	1868 7 26	1959 12+ 22
1514 2	1634 11	1762 9 22 26	1869 16	1961 9 14 16 27 28
1515 12 23	1635 9	1763 28	1870 2 22 27	1962 12
1516 4	1636 28	1764 30	1871 4 20 30	1963 23 26
1518 26	1638 31	1766 27	1873 12 28	1964 17 22
1519 7 22	1640 27	1767 12 20	1874 11	1965 7 12
1521 28	1641 7 11	1768 24	1875 27	1967 20
1524 2	1642 9	1771 2 20 28+	1876 9	1969 12 22 26 27+

1970 18 30	2071 27 29	2162 28	2257 9	2361 29
1972 21 28	2072 17 28	2163 4 17	2258 22	2362 9 16
1973 4 12	2074 21	2164 9 14 26	2259 3	2363 24+ 28
1974 2 22 24	2075 14 30	2165 4 17	2260 27+ 30	2364 30
1975 26	2076 16 26	2166 14 27 30	2261 14 17 29	2366 12 17 24
1976 9 14	2077 22	2167 17	2262 16	2367 16
1977 12+	2078 4	2168 4 14 29	2263 12	2368 32
1978 11+ 17 27	2079 12 23+	2170 14 17	2264 9	2369 24
1980 22 26 32	2080 9	2171 3 4	2265 4 21 24 32	2370 18+
1981 12	2081 17	2172 2 14 24 30	2266 30	2372 4 16 24
1983 7	2083 26+	2173 17 22+	2269 29	2373 21
1985 26 28	2084 14	2174 4 16	2271 14 26	2374 5
1986 12 22 30	2085 18+ 21 24 27	2175 12 14	2272 17	2375 14 24
1987 4 16	2086 4 7 11	2176 17 18 21	2273 30	2377 16 24
1988 27	2087 23 30	2177 4 26 30	2274 3 16 22	2378 30
1989 26	2088 32	2178 14	2275 18 27	2379 24
1991 2 12 14	2089 17 22	2180 7+ 17	2276 4 24	2381 16 24
1992 17	2090 2 28	2181 4 14	2278 7	2382 3 17
1993 21 22+ 24 26	2091 12 26	2182 30	2279 28	2383 24
1994 18	2092 2 29	2184 14 17 27 28+	2280 5 12	2384 18 28
1996 12 23	2093 14 18	2185 4 20	2281 30	2385 16
1997 26	2094 4	2186 30	2282 14 21	2386 21 22 24 29 32
1998 2 9 27 28	2095 20	2187 14 24	2283 17	2388 7 16 27
2000 22	2097 17	2188 11 17	2286 16 24	2389 24 26
2001 4 7 26 32	2098 16 30	2189 9 22	2287 26 29	2390 4
2002 2 12 16 20 30	2100 26+	2190 4 30	2288 4 32	2391 14 16
2003 11	2101 4 14 27	2191 12 14 16 26	2289 30	2392 24 30
2004 26	2102 22 24	2193 17	2291 7 18+	2394 16
2005 14	2103 12	2194 30+ 32	2292 9 22	2395 24
2006 17	2104 17	2195 4 14 21	2293 5 14	2397 12 16 18
2007 26	2105 7	2196 20	2295 17 24	2398 21 24
2008 12 22+	2108 4 14 18 21	2197 30	2297 16 21	2399 16 17
2009 27	2109 26 28 30	2198 17	2298 30	2401 16
2010 26	2110 17	2199 14	2300 4 12 27	2402 24
2012 2	2111 2 9	2200 4 18+ 27 30	2301 3	2403 3 16+ 32+
2013 26 28	2114 4	2202 24 29	2304 24	2405 16
2014 4	2115 14 22 32	2203 11 30	2305 14 28 32	2406 4 24
2015 12 32	2116 12 17	2204 14 17	2307 16+ 26 30	2407 9 14 16 30
2016 22 26	2117 27	2205 2 26 28 30	2308 7 17	2409 16 18 29
2018 9+ 14	2119 4 11 16 24 26 30	2206 4 16 22	2310 18 22	2410 21 24
2019 17 26 30	2120 29	2207 7 30	2312 24	2411 16
2020 16 27	2121 14 17	2209 12 14 29 30	2313 4	2413 16
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2039 12 26	2136 18+	2225 17 22	2331 14	2431 21
2041 32	2137 4 14 16 30	2226 30	2332 24	2432 8 18+ 24
2042 17 18	2138 17 24	2227 12	2333 7	2433 16
2043 14+ 24 26 28	2139 3	2228 4 14	2334 16 28	2434 28
2044 7 22+ 27	2140 2 4 26+	2229 24 30	2335 29	2435 3 32
2045 2 23	2141 11+ 14 17	2231 9 32+	2336 17	2438 9 16 17 22 30
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2056 28	2152 7+ 14 26 32+	2243 7 14	2349 16	2450 21
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2068 12	2160 7 18 30	2254 24 30	2359 21	2461 14 16 18
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2463 24	2567 27	2679 18	2792 4 6 29	2934 29
2464 26	2568 27 32	2681 4 22 32	2794 16	2935 21
2466 5 7	2569 17 18+	2682 3 21 29	2795 18+	2938 3
2467 21 32	2570 21	2685 32	2798 29	2939 16
2468 16 29	2571 24	2687 8	2799 5 32	2941 5
2470 18	2573 7	2689 14 32	2801 3 8	2943 3 8 18
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2473 4	2577 6 27	2692 17 24+	2809 21	2949 3 15
2474 21	2578 6 32	2693 6 32	2811 3+ 24 32	2955 15 16
2476 3 16	2579 18	2694 5	2812 17 18 29	2956 3 5+
2478 18	2580 29	2695 12 21	2819 29	2957 6+ 18
2479 14	2581 3 5 21 22 27 28	2696 17	2820 5	2961 16
2480 22 28	2583 4 5	2697 3	2821 3+ 6	2962 32
2481 21	2584 8 18+	2698 6 29 32	2824 32	2963 3 29
2482 24	2585 8	2701 30	2826 1 21	2964 8
2483 17 32	2586 24 27+	2703 32	2827 15 29	2965 21
2484 16 29	2587 21 32	2704 18	2829 16	2968 5+
2485 18	2588 26	2705 29	2830 3 18 24	2971 3
2486 9	2589 30	2706 6	2832 8	2973 6
2487 21	2590 16 18	2707 16	2834 5	2978 29
2488 30	2591 12 14	2708 32	2835 29	2979 3 15 18
2489 3	2592 28	2709 21	2837 32	2980 5
2492 18	2593 17 29	2710 14	2838 3+	2981 8 32
2493 12 16 21 24	2594 21	2711 3 24	2839 1	2988 6+ 21
2497 14 26+ 27 32	2596 18 27 32	2712 29	2842 16 30	2989 3
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2500 3	2601 21	2718 18	2847 3	2992 8
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2514 3 18	2620 7 24	2734 4 24 32	2867 18	3014 21
2515 21	2621 17 26	2736 29	2868 16	3015 24
2516 14 24	2622 3	2738 21	2869 3 8	3017 3 16 32
2517 5 29	2623 16 30	2739 3+	2871 21 24	3022 5 25
2519 18 21	2626 32	2740 12 30	2875 29	3025 6+ 18
2522 21	2627 18 21 22	2741 29	2876 3+	3026 8+
2523 4+ 18 32	2628 6	2742 14 32+	2878 15+	3027 3 15
2524 7 16	2631 4 29	2744 8+	2879 6 32	3028 29
2525 21	2632 32	2746 29	2882 1 5	3029 15+
2527 17 18	2633 12	2747 14 18	2883 3 21	3031 1
2528 12 21 27	2636 3 18	2750 5 12 32	2885 16	3033 5
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2535 5 18 32	2643 32	2755 21 29	2895 32	3043 5 29
2536 5 16	2645 26 30	2759 29 32+	2896 3 8	3047 25
2537 14 17 21	2646 14 18 22	2761 14	2897 29	3050 3 18
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2540 21+	2648 32	2763 29	2901 3	3054 6 8
2541 18	2649 6	2764 4 30	2902 6	3059 21
2542 24	2652 3	2765 5	2906 3	3060 16 29 32
2543 21	2653 4 8 16 29 32	2766 3 24	2907 21	3062 1
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2546 4 21	2656 18 26	2768 32	2910 32	3064 6
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2549 21 29+	2659 26	2772 21 29	2913 18	3072 8
2550 18 30	2661 17 32	2774 16	2914 5	3076 1 3 21
2551 17	2663 29+	2776 4 18 29	2917 3 6	3078 5
2553 12+ 18 21	2665 5 30 32	2778 3 32	2918 6 24	3079 15 29
2554 17	2666 12	2781 29	2921 29+	3080 25
2556 22 24	2667 18	2784 5	2922 3	3081 6+
2557 18 21 26	2668 3 14	2785 30	2923 21	3085 5 8
2558 32	2669 32+	2786 8 29	2924 6 8	3086 32
2559 5	2670 21	2787 24	2926 32+	3089 3 18 25+
2561 4 8 14 16 18 21	2671 16 24	2788 32	2927 3+	3090 6
2563 3 30	2673 29 32	2789 17 21	2928 5 15 24	3092 5
2565 18 21 26 28	2676 6+	2790 3	2931 18	3096 18+
2566 29	2677 32	2791 15	2932 1+ 3	3098 5 8 24

3102 29	3244 6+ 10 25	3411 29+	3593 1	3805 1
3103 3 21+	3245 8	3412 3 25	3596 6	3806 8
3105 5	3247 6	3418 25+	3602 15	3807 15 19
3107 6+	3248 5	3419 5	3603 15	3808 6 25
3111 8	3249 3 29	3421 8	3605 8	3811 10
3112 1+ 5	3251 21 32	3422 6	3610 15+	3812 5
3114 32	3252 6 8	3424 15+	3611 1	3816 19
3116 1	3253 1+	3426 32	3612 6+	3817 1
3117 3	3258 8	3430 1	3616 5 8	3818 1 6
3118 5 29	3261 5 6	3433 19	3619 10 19 25	3820 1
3119 6	3265 6 8 10	3436 3 5 32	3622 15	3821 15
3122 15	3266 3+	3437 8 32	3628 1	3822 19
3123 8	3269 25	3438 15	3633 10	3826 8
3125 5	3271 6	3439 1	3638 8	3827 5
3127 25	3273 5	3441 6	3639 15+	3828 1
3128 21	3274 8	3444 25+	3640 5	3829 25+
3130 3+	3275 15	3447 19	3641 6 15	3832 10
3131 32	3276 3	3451 8	3643 1 19	3841 6
3132 5+	3277 32	3452 10	3645 1	3843 15
3133 8	3278 1	3453 6	3648 10+	3844 1+
3136 6 18 21	3281 6 8	3454 15	3649 15+	3849 1+ 8
3137 24	3282 29	3461 29	3651 1	3853 1
3138 5	3286 5+	3462 5	3657 6	3854 25
3143 6 8	3289 8	3463 6	3661 8 15	3857 10
3144 29	3290 3 6	3464 3	3662 1+	3860 15+
3145 5+	3293 15	3465 15	3663 25	3861 1 25
3148 3	3295 10	3466 1+ 8	3667 19	3863 19+
3150 15	3299 8	3475 15	3669 15	3868 15
3151 8	3300 5+	3476 1	3670 6	3869 25
3152 5	3301 6	3477 19	3675 5+	3870 5+
3154 18	3304 15	3480 3 8	3680 1	3873 8
3156 1 6+	3305 19+	3484 3 5 6 15 32	3681 15	3877 1
3159 10+	3307 8 29	3485 25	3682 1	3878 6 10+
3160 5	3309 25	3486 1 25	3683 19	3882 25
3161 25	3311 5	3493 10	3687 1	3888 8
3162 8 29 32	3312 6	3494 15	3691 6 8 25	3892 1 5+ 25
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3169 18	3319 32	3502 6	3708 5	3901 19
3170 15	3321 6	3503 5	3709 15+ 25	3903 10
3174 8	3323 25	3507 15	3711 19+	3905 25
3175 5 21 32+	3325 5 8 19+	3512 8	3712 1	3908 15
3179 10	3326 15	3513 1	3713 6	3910 1
3181 3 6	3329 1	3514 3	3716 8	3915 8 19
3183 8 29+	3330 6	3515 5	3719 1	3916 6
3184 1+ 10	3334 8	3518 15	3721 25	3921 15+
3185 5	3337 10 32	3520 29	3722 15	3923 10
3188 6	3340 3	3523 10	3727 10	3931 25
3189 15	3341 6	3525 6 15	3731 1+	3934 10
3191 8	3343 15 19+	3528 8+	3734 15	3935 1+ 5 25
3194 5	3344 5 8	3531 19+	3739 1 5	3937 25
3197 15	3346 29	3534 3	3740 19	3942 8 15 19
3198 6	3349 1	3535 15	3741 15	3945 6
3199 8	3353 15	3536 25	3743 6	3947 10
3200 3	3356 8	3537 5+	3744 10	3948 1+ 25
3202 6 29	3358 6	3539 6	3748 15+	3950 25
3203 5	3359 29	3541 3	3750 6	3951 6+ 25
3207 1	3360 3 5 10+	3542 1	3753 1 8	3953 5
3208 18	3365 15	3543 8+	3754 25	3957 6+
3209 32	3368 3 8+	3544 15	3757 5	3960 19+
3210 6 8	3369 6	3551 15	3758 15 19	3962 8
3212 15	3375 5	3552 1	3764 1	3965 5
3214 5	3377 8	3554 6 10	3766 10+	3966 15
3215 25	3378 10	3558 8	3772 15	3967 10+ 25
3218 3 21	3379 1 6	3562 3	3774 19+	3971 1
3219 10	3381 15 32	3563 5+	3776 1 10+	3973 6 10
3220 6	3384 29	3564 19	3778 25	3977 19+
3221 8	3387 25+	3566 1	3781 25	3979 25
3226 1	3388 3	3567 15+	3783 8	3984 15
3227 5 18	3390 5 6	3575 19	3786 15	3987 10
3228 6 8+	3391 8	3576 10	3787 10	3992 25
3229 29	3393 19	3580 6 8	3788 6	3997 25+
3233 3 8	3403 1	3581 1	3789 10	3998 15
3234 21	3405 8+	3583 15	3791 25	4001 1
3237 5	3406 10	3587 15	3794 10+	4003 8
3238 6+ 18+	3408 5+	3590 15	3795 1	4004 1
3239 8	3409 15	3591 5	3800 10	4008 10
3242 10+ 15	3410 6	3592 25	3804 5	4011 6

4013	8	19	4277	15	4600	19
4018	10	15	4281	1	4604	19+
4020	25		4283	19	4611	10 25
4022	1		4284	19	4616	19
4028	10	25	4291	19	4618	25
4035	25		4294	25	4630	1
4037	6		4296	10	4642	25
4039	19		4307	15	4643	19
4040	10		4314	25	4645	1
4042	1	25	4316	19	4651	10
4043	25		4317	15	4662	25
4047	10+		4318	10	4667	19
4048	8		4320	1+	4674	25+
4050	15		4324	19	4676	1 19
4051	10		4326	10	4679	19+
4053	8		4329	25	4701	10
4056	10		4330	19	4714	19+
4058	6		4332	10	4722	19
4059	10+		4342	19	4723	1
4063	25+		4345	1	4725	25
4065	10+ 19		4346	1 19	4733	1+
4071	10 25		4347	19	4735	10
4073	10 25+		4348	25+	4738	25
4074	10+		4350	25	4744	19
4076	15 25		4358	19	4763	25+
4077	1 8		4361	15	4773	10
4080	25		4369	10	4776	19
4087	10		4370	15	4792	25
4089	25		4374	25	4798	10
4092	19		4375	19+	4799	19
4096	8		4376	19	4812	19+
4097	10		4385	15 19	4818	25
4103	15		4392	1+	4823	10
4105	1 25		4398	19+	4825	19
4108	19		4399	10	4843	10+
4116	25		4404	15	4846	25
4123	10		4405	10 25	4874	10+
4125	10		4414	10+	4886	19+
4127	15+		4416	1+ 19	4897	25
4128	1		4420	25	4908	19
4132	25		4424	10	4919	25
4137	25		4429	19	4938	25
4141	1		4432	19 25	4947	10
4142	10+		4441	1+	4954	19+
4144	19		4447	10 19+	4961	10
4152	1 19		4451	15+	4975	19
4161	25		4455	25+	4989	10+
4164	15		4458	19	4994	19
4165	10		4465	10	5006	10
4166	10		4468	19	5027	10
4172	19		4473	10+	5032	19+
4174	25		4474	25+	5081	19+
4177	1		4475	1	5094	19+
4180	10		4476	15	5149	19
4184	15		4484	19	5151	19
4185	19+		4489	1+	5182	19+
4189	25		4492	19	5220	19
4190	1		4500	19	5243	19+
4193	10		4505	25	5281	19
4205	19		4508	19		
4207	25+		4509	1		
4209	15		4513	10		
4210	10		4516	10		
4217	19		4518	19		
4218	10 25		4524	15		
4222	10		4541	19		
4225	1		4550	25		
4232	19		4552	10		
4235	25+		4553	15 19		
4236	15+		4557	1		
4245	19		4560	10		
4246	10		4568	19+		
4247	1+ 25		4574	19		
4254	10		4578	10		
4257	10+		4583	25		
4264	15		4588	1		
4265	25		4594	1		
4267	19		4597	25		
4276	25		4599	19		