

Full text of the ALGORITHMS (flow-charts) used in  
ENGLISH ALGORITHMIC GRAMMAR

by

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**Note:** The full text of some of the algorithms was not published in English Algorithmic Grammar for lack of space.

We have discontinued offering the full text of the algorithms for public download on our website <https://www.langsoft.ch>

The Index to the Abbreviations used below is in "English Algorithmic Grammar", please, refer to it.

List of Algorithms as they follow in the book  
part 1

ALGORITHMIC RECOGNITION OF THE VERB

3. Algorithm for Automatic Recognition of Verbal and Nominal

Word Groups. Algorithm No 1.

1. A text is being fed to the computer, for analysis. The words are read and analysed in accordance with the instructions below, one by one, from left to right. The first question asked is: Has the text ended ?
2. Yes. Stop. End.
3. No. Is this a Punctuation Mark ?
4. Yes. Print what has already been stored in memory as VG or NG. Go to 1.
5. No. Is this a figure (a number) ?
6. Yes. Remember it as a NG. Go to 93.
7. No. Does the length of this particular wordform exceed two letters ?
8. Yes. Go to 31.
9. No. Is this: on ?
10. Yes. Is it preceded by a Verb ? (check whether the previous wordform was

marked as VG). N.B. Exclude all Auxiliary Verbs (was, am, are, were, do, did, etc.).

10a. Yes. Remember it as a VG. Go to 90.

10b. No. Proceed with "on" in instruction No 11.

11. No. Is this: in, at, by, on, a, an, of, my, etc. ?

12. Yes. Is this word immediately followed by: the, that, this, a, an, these, those, such, ..., etc. ?

12a. Yes. Take that word (on, it, by, ..., etc.), plus next word (the, that, ..., etc.), plus the word after them, and remember them all as NG. Go to 93.

12b. No. Take this word (on, in, ..., etc.), plus the next word (the, that, ..., etc.) and remember them as NG. Go to 93.

13. No. Is this: is ?

14. Yes. Is that word immediately preceded or followed by: there ?

14a. Yes. Remember "is" plus "there" as VG.

Go to 90.

14b. No. Remember "is" as VG. Go to 90.

15. No. Is this: be, do, am, ..., ?

16. Yes. Remember it as a VG. Go to 90.

17. No. Is this: to ?

18. Yes. Go to sub-routine 96-127.

19. No. Is this: it ?

20. Yes. Is it followed by a word from List No 7, or by a word ending in "-ed", or in "-s" ?

20a. Yes. Remember both (this and next) words as VG. Go to 90.

20b. No. Remember "it" as a NG. Go to 93.

21. No. Is this: he, if, we, I, no, us, ..., ?

22. Follow the instruction in 23.

23. Yes. Remember it as a NG. Go to 93.

24. No. Is this: or, as, so,... ,?
25. Yes. Print what is being kept in memory as VG or NG. Remember that word (or, as,..., etc.) as NG. Go to 1.
26. No. Is this: up ?
27. Yes. Is "up" preceded (up to two words back - Punctuation Mark interrupts the search) by: is, be, get, gets, stand(s), go(es), went, was, were, stood, drink(s), drank, drunk, eat(s), ate, got, follow(s), hunt(s), hunted, come(s), came, cash(ed),..., etc. ?
- 27a. Yes. Remember both (this and previous) words as VG. Go to 90.
- 27b. No. Is "up" followed by: in, on, at, the, a, an,..., ?
- 27c. Yes. Remember it as an Adverb in the NG. Go to 93.
- 17d. No. Remember it as an Adverb in the NG.  
Go to 93.
28. No. Is this an Abbreviation, like: TV, UN, US, SU, Mr,..., etc. ?
29. Yes. Remember it as a Noun in the NG.  
Go to 93.
30. No. Print it, and state: Unrecognised, unrecorded ! Ask the user for help. Go to 1.
31. Is this a three-letter word ?
32. Yes. Proceed in 34.
33. No. Go to 55.
34. Is this: the, its, her, his, our, per, any,..., ?
35. Yes. Take this word, together with the word following it and remember them as a NG. Go to 93.
36. No. Is this: for, not,..., ?
37. Yes. Does the word after it end in: "-ing" ?
- 37a. Yes. Remember both words as VG. Go to 90.
- 37b. No. Remember "for" as NG. Go to 93. Remember "not" as VG. Go to 90.

38. No. Is this: was, are, can, has, may, did, had,....?
39. Yes. Is this word preceded or followed by: there, it,....?
- 39a. Yes. With the exception of "was" and "are", remember this word plus "there" or "it", plus the word following after that as VG. Go to 90.
- 39b. No. Is this word followed up to two words ahead by a word ending in: "-ly", or by such words as: never, soon, therefore, afterwards, somehow,...., etc. ?
- 39c. Yes. Remember : was, are, can, has, may, did, had,...., plus the word following after the word that ends in "-ly" or after: never, soon, therefore, afterwards, somehow,...., (excluding: "...-ly", afterwards, never, soon,....,!) as VG. Go to 90.
- 39d. No. Remember: was, are, can,...., etc. as VG. Go to 90.
40. No. Is this: all, two, one, our, her, too,.... ,?
41. Yes. Remember it as a NG. Go to 93.
42. No. Is this: and, but,...., etc. ?
43. Yes. Remember this word as Conjunction in the NG. Print what is being kept in memory as VG or NG. Go to 1.
44. No. Is this: out, off,...., ?
45. Yes. Is it preceded, up to two words back by a word attributed to the VG ?
- 45a. Yes. Remember the word attributed to the VG plus "out", or "off" ,...., etc. as VG.  
Go to 90.
- 45b. No. Remember "out" as an Adverb in the NG. Remember "off" as a Verb in the VG. Go respectively to 93 or 90.
46. No. Is this a word from List No 1 ?
47. Yes. Remember it as a NG. Go to 93.
48. No. Is this a word from List No 2 ?
49. Yes. Remember it as a VG. Go to 90.

50. No. Is this a word from List No 3 ?
51. Yes. Compare the two previous words with the words shown in List No 4.  
Do any of them coincide ?
- 51a. Yes. Remember the word in question as VG. Go to 90.
- 51b. No. Remember the word in question as NG. Go to 93.
52. No. Is the word any known (recorded as Abbreviation in the List of Abbreviations) Abbreviation ?
53. Yes. Remember it as NG. Go to 93.
54. No. Print this three-letter word and state: Unrecognised, unrecorded (ask the user for help, or proceed with it in 57). Go to 1.
55. Is this: will, shall, would, could, should, might,...., etc. ?
56. Yes. Is it preceded or followed by: there, it,...., ?
- 56a. Yes. Remember the word, plus "there" or "it", as a VG. Go to 90.
- 56b. No. Is the word preceded or followed by a Personal Pronoun ?
- 56c. Yes. Remember the word as VG. Go to 90.
- 56d. No. Is "will" or "might",....,etc., preceded by a Possessive Pronoun (see the List of Possessive Pronouns) or by the Genitive of the Noun (a Noun ending in: ...-s' or ...-'s) or by a word starting with a capital letter ?
- 56e. Yes. Remember "will" or "might",...., as NG. Go to 93.
- 56f. No. Remember: will, shall, would, could, should, might,...., etc. as VG. Go to 90.
57. No. Is this: with, from, other, early, certain, very, under, until, between, along,, their, your,...., etc. ?
58. Yes. Take this word plus the word following it and remember them as NG .  
Go to 93.
59. No. Is this a word from List No 6 ?
60. Yes. Remember it as a NG. Go to 93.
61. No. Is this an Irregular Verb from List No 7 ?

62. Yes. Is it followed up to two words ahead by: over, down, place, watch, part,..., etc. ?
- 62a. Yes. Remember both these words as VG.  
Go to 90.
- 62b. No. Remember the word as a Verb in the VG. Go to 90.
63. No. Does this word end as shown in List No 9 ?
64. Yes. Remember the word as NG. Go to 93.
65. No. Does this word end as shown in List No 8 ?
66. Yes. Follow sub-routines 128-164.
67. No. Does the word end in: "-(e)s" (except in: "...-ss" ! ) ?
68. Yes. Follow sub-routines 165-245.
69. No. Does the word end in: "-ing" ?
70. Yes. Follow sub-routines 246-303.
71. No. Is this word preceded, up to 3 words back, (a punctuation mark stops the search !) by a Personal Pronoun (see the List of Personal Pronouns) or by: did, does, not, may,...,?
72. Yes. Remember it as a VG. Go to 90.
73. No. Is this word followed by a word from List No 5 or by a word ending in "-ly" and at the same time preceded by: to, here, above, who, without,..., etc. ?
74. Yes. Remember it as a VG. Go to 90.
75. No. Is this word followed by: most, over, up, down, to, off, only,..., etc. ?
76. Yes. Remember the word as VG. Go to 90.
77. No. Is this word followed (unless otherwise specified to be always understood "immediately followed") by: not, no, his, her, us, its, their, your, my, them, it, him, me, you,..., ?
78. Yes. Remember it as a VG. Go to 90.
79. No. Is this word preceded by: would, ought, must, could, should, shall, will,..., ?

80. Yes. Remember it as a VG. Go to 90.
81. No. Is this word, or the word after it, followed by a word from List No 5 ?
82. Yes. Remember it as a NG. Go to 93.
83. No. Is this: down, over, through,..., etc. ?
84. Yes. Is it preceded, up to two words back, by a word from List No 7 or by any other Verb (word marked as VG) or by a word with an ending as shown in List No 8 ?
- 84a. Yes. Remember it as a VG. Go to 90.
- 84b. No. Remember it as a NG. Go to 93.
85. No. Is this: place, effect, suit,..., etc. ?
86. Yes. Is it preceded by: take, follow, ...,etc. ?
- 86a. Yes. Remember both words as VG. Go to 90.
- 86b. No. Remember the word as a Noun in the NG. Go to 93.
87. No. Is this word (the word being analysed at the moment) followed by: a(n), or "the" + wordform ?
88. Yes. Remember it as a VG. Go to 90.
89. No. Remember it as a NG. Go to 93.
- Sub-routines:
- 90-92
90. Is everything remembered up to now as NG printed ?
91. Yes. Go to 1
92. No. Print everything remembered so far as NG. Go to 1.
- 93-95
93. Is everything remembered up to now as VG printed ?
94. Yes. Go to 1.
95. No. Print everything remembered up to now as VG. Go to 1.
- 96-127

96. Is it (the word in question) preceded by: due, according, corresponding, thanks, next,..., ?
97. Yes. Remember both these words as NG and mark "to" as Preposition. Go to 93.
98. No. Is it immediately preceded by a word ending in "-ed" (including all Past Participles of the Irregular Verbs - see the List), or by a word ending in "-ly" ?
99. Yes. Remember it as VG and as Infinitive. Go to 90.
100. No. Is it immediately followed by: the, a, an, every, me, you, him, her, it, us, them, which, that, this, Possessive Pronoun, those, these, worst,..., etc. ?
101. Yes. Remember "to" as NG and as Preposition. Go to 93.
102. No. Is it immediately followed by a word ending in: "-s" or "-s' " ?
103. Yes. Remember it in the NG as Preposition. Go to 93.
104. No. Is it immediately preceded by a word ending in: "-ing" ?
105. Yes. Remember it in the NG as Preposition. Go to 93.
106. No. Is the second word to the right a full stop ?
107. Yes. Remember it in the NG as Preposition. Go to 93.
108. No. Is it preceded by the word construction: the (a, an) + wordform + wordform, and at the same time followed by: wordform + in ?
109. Yes. Remember it in the NG as Preposition. Go to 93.
110. No. Is it preceded by the construction: the (a, an) + wordform + wordform ?
111. Yes. Remember it in the NG as Preposition. Go to 93.
112. No. Is it preceded by the construction: to + Verb (a word attributed to the VG) ?
113. Yes. Remember it in the NG as Preposition. Go to 93.
114. No. Is it immediately preceded by: is, are, was, not, were, have, had, be, ..., ?
115. Yes. Remember it in the VG as Infinitive. Go to 90.



116. No. Is it immediately preceded by the words: so as ?
117. Yes. Remember it in the VG as Infinitive. Go to 90.
118. No. Is the second word to the left (of "to") a Personal Pronoun (see the List) ?
119. Yes. Remember it in the VG as Infinitive. Go to 90.
120. No. Is it immediately followed by: do, be, have,..., ?
121. Yes. Remember it in the VG as Infinitive. Go to 90.
122. No. Is it preceded by the construction: being + Verb (i.e. a word attributed to VG) and at the same time followed by a word attributable to the VG (the next word should be analysed separately, just for this purpose) ?
123. Yes. Remember it in the VG as Infinitive. Go to 90.
124. No. Is it preceded, up to two words back, by:  
more,..., ?
125. Yes. Remember it in the NG as Preposition. Go to 93.
126. No. Is the second word to the left a Possessive Pronoun (compare with the List) ?
127. Yes. Remember it in the NG as Preposition. Go to 93.
- 127a. No. Store temporarily "to" and analyse next word. If the next word belongs to the VG, print it as Infinitive in the VG and go to 90. If the next word belongs to the NG, print "to" as a Preposition in the NG and go to 93.
- 128-164
128. Is this: infrared, watershed, hundred,..., etc. (see the full list of Adjectives ending in "...-ed", which cannot be Participles at the same time - the List is not provided here) ?
129. Yes. Remember it as a NG. Go to 93.
130. No. Is it immediately preceded by: are, is, was, were, has, have, had, whose,..., ?
131. Yes. Remember it as a Past Participle (Participle 2-nd) in the VG. Go to

90.

132. No. Is it preceded by the construction: would (not) be; has (not) been; was not; had not; had (not) been; had + Personal Pronoun + had; are not; is not; were not; is (not) to be; should (not) be; may (not) be; might (not) be; may have been; came to be; has + a word ending in "-ly"; were + comma + up to 3 running words ahead + comma; is sometimes; is (are) + a word ending in "-ly"; was (were) + word ending in "-ly"; will (would, shall) + (not) + be;.....etc. ?

133. Yes. Remember it as Participle 2-nd in the VG. Go to 90.

134. No. Is it preceded by the construction: are (is, was, were) + up to two consecutive words + and; are (is, was, were) + and + two consecutive words ?

135. Yes. Remember it as Participle 2-nd in the VG. Go to 90.

136. No. Is it immediately preceded by: as, its, a, an, the, a word ending in "-s" or "-s'", with, their, his, her, our, my, your, on, if, other, comma, full stop, many, much, this,...., ?

137. Yes. Remember it as Participle 1-st in the NG. Go to 93.

138. No. Is it preceded by the construction: or + comma + the (a, an) + word + comma; the (a, an) + two consecutive words ; other + word + and; and + two consecutive words attributed to the NG; in + word; The (a, an) + word;....., ?

139. Yes. Remember it as Participle 1-st in the NG. Go to 90.

140. No. Is it preceded by the construction: to + two consecutive words attributed to the NG and at the same time followed by: " to" or "from" , or by: and + word ?

141. Yes. Remember it as Participle 1-st in the NG. Go to 93.

142. No. Is it preceded by a word ending in "-ly" and at the same time followed by a word beginning with a capital letter ?

143. Yes. Remember it as a Verb (in Aorist) in the VG. Go to 90.

144. No. Is it preceded by a word ending

in "-ly" ?

145. Yes. Remember it as Participle 1-st in the NG. Go to 93.

146. No. Is it preceded, up to two words back, by: Personal Pronoun, who, that, than, which, and,..., ?

147. Yes. Remember it as a Verb (in Aorist) in the VG. Go to 90.

148. No. Is it immediately followed by: to, that, on, Possessive Pronoun, a, an, the, when, by, between, with, from, such, of, for, off, up, over, all, in, out, down, away, Numeral (figure), word ending in "-ly", them, him, her, it, us, you, at, as, by; or by the construction:

it to ?

149. Yes. Remember it as a Verb (in Aorist) in the VG. Go to 90.

150. No. Is one of the three words to the left (a Punct. Mark always interrupts the search): of, most, more, Possessive Pronoun ?

151. Yes. Remember it as Participle 1-st in the NG. Go to 93.

152. No. Does the previous word end in : "-ment" ?

153. Yes. Remember it as a Verb in the VG.

Go to 90.

154. No. Is one of the three words to the left: the, a, an, for, in, or a Number (figure) ?

155. Yes. Remember it as Participle 1-st in the NG. Go to 93.

156. No. Is it followed, up to three words ahead, by: (a Punct. Mark interrupts the search as always !): off, up, over, all, in, out, down, away,..., etc. ?

157. Yes. Remember this word, together with: off, up,..., etc. as Verb (in Aorist) in the VG.

Go to 90.

158. No. Was the previous word remembered as Verb in the VG ?

159. Yes. Remember it as a Verb in the VG.

Go to 90.

160. No. Does the next word end in: "-ment" ?

161. Yes. Remember it as Participle 1-st in the NG. Go to 93.

162. No. Is it preceded by comma ?

163. Yes. Remember it as Verb (in Aorist) in the VG. Go to 90.

164. No. Remember it as Participle 1-st in the NG. Go to 93.

165-245

165. Does the word end as follows: -as, -lties, -ous, -cies,...., ?

166. Yes. Remember it in the NG. Go to 93.

167. No. Is this: perhaps, yes,...., etc. ?

168. Yes. Remember it in the NG. Go to 93.

169. No. Is the word preceded by the following construction: full stop + a word beginning with a capital letter and at the same time is the word followed by the construction: to + wordform + those ?

170. Yes. Remember the word as Verb in the VG. Go to 90.

171. No. Is the word preceded by the construction: that + a word beginning with a capital letter and at the same time followed by the construction: to + wordform + it ?

172. Yes. Remember the word as Verb in the VG. Go to 90.

173. No. Is the word preceded by "what" and at the same time followed by the construction: to + a word ending in "-ed" (including the Participles of the Irregular Verbs) ?

174. Yes. Remember it as a Verb in the VG.

Go to 90.

175. No. Is the word immediately preceded by: which, that, what, Personal Pronoun,...., ?

176. Yes. Remember it as a Verb in the VG.

Go to 90.

177. No. Is it preceded by the construction: no longer; this + wordform; neither + wordform; if + the (a, an) + wordform; the (a, an) + wordform + wordform; this + wordform + wordform,.... ?

178. Yes. Remember the word as a Verb in the VG. Go to 90.

179. No. Is it preceded by the construction: which + a word beginning with a capital letter and at the same time followed by the construction: and + a word ending in "-s" ?

180. Yes. Remember the word as a Verb in the VG. Go to 90.

181. No. Is it followed by: to ?

182. Yes. Remember it as a Verb in the VG.

Go to 90.

183. No. Is this: does ?

184. Yes. Remember it as a Verb in the VG.

Go to 90.

185. No. Is it preceded by: likely ?

186. Yes. Remember it as a NG. Go to 93.

187. No. Is it preceded by a word ending in: "-ly" ?

188. Yes. Remember it as a Verb in the VG.

Go to 90.

189. No. Is it immediately preceded by: is, are, was, were, have, has, had, but, most, over, above, below, under, own, no, with, other, same, on, as, between, all, by, a word ending in "-s",.... ?

190. Yes. Remember it in the NG. Go to 93.

191. No. Is this word immediately preceded by a Possessive Pronoun and at the same time followed by a word ending in "-s" ?

192. Yes. Remember it in the NG. Go to 93.

193. No. Is the word preceded, up to two words back, by a Possessive Pronoun

?

194. Yes. Remember it in the NG. Go to 93.

195. No. Is it preceded by the construction: than + wordform; wordform + wordform; to + Verb; Verb + Verb; the (a, an) + a word beginning with a capital letter; figure (number, many) + a word beginning with a capital letter; from + word attributed to the NG; these (those) + are (were) + wordform;,,,,, ?

196. Yes. Remember it in the NG. Go to 93.

197. No. Is it preceded, up to two words back, by: all, of, those, these,,,,, ?

198. Yes. Remember it in the NG. Go to 93.

199. No. Is this a compound word (a word separated with a dash) ?

200. Yes. Remember it in the NG. Go to 93.

201. No. Does this word begin with a capital letter ?

202. Yes. Remember it in the NG. Go to 93.

203. No. Is this word preceded by the construction: for + word, and at the same time followed by the construction: to + word + that ?

204. Yes. Remember it as NG. Go to 93.

205. No. Is it preceded by the construction: by (of) + a word belonging to the NG + a word belonging to the NG, and at the same time followed by: in ?

206. Yes. Remember it in the NG. Go to 93.

207. No. Is it preceded by the construction: with (of) + a word belonging to the NG, and at the same time followed by: in ?

208. Yes. Remember it in the NG. Go to 93.

209. No. Is it preceded by the construction: with + word ?

210. Yes. Remember it in the NG. Go to 93.

211. No. Is it immediately preceded by a word from List No 10 ?

212. Yes. Remember it as a NG. Go to 93.

213. No. Is it immediately preceded by a word beginning with a capital letter and at the same time immediately followed by: are, is, were, was, have, has,

had, about, that,.... ?

214. Yes. Remember it in the NG. Go to 93.

215. No. Is it followed by the construction: that (of) + a word ending in "-s" ?

216. Yes. Remember it in the NG. Go to 93.

217. No. Is it preceded by the construction: a word ending in "-s" + that (of) ?

218. Yes. Remember it in the NG. Go to 93.

219. No. Is it preceded by the construction: Verb + a word belonging to the NG + a word ending in "-s"; Verb + a word belonging to the NG ?

220. Yes. Remember it in the NG. Go to 93.

221. No. Is it immediately followed by: were, was, are, is, have, has, had, will, shall, can, could, may, might ?

222. Yes. Remember it in the NG. Go to 93.

223. No. Is it immediately followed by the construction: that + would; such + as ?

224. Yes. Remember it as a NG. Go to 93.

225. No. Is it immediately preceded by: "in", and at the same time followed by: that ?

226. Yes. Remember it in the NG. Go to 93.

227. No. Is it immediately preceded by a word beginning with a capital letter and at the same time followed by "from" ?

228. Yes. Remember it as a NG. Go to 93.

229. No. Is it preceded by a word beginning with a capital letter and at the same time followed by a word ending in "-ed" (or Participle of an Irregular Verb) ?

230. Yes. Remember it in the NG. Go to 93.

231. No. Is it followed by the construction: in + a word ending in "-ing" ?

232. Yes. Remember it in the NG. Go to 93.

233. No. Is it immediately followed by: Punctuation Mark, of, with, for,

which,... ?

234. Yes. Remember it in the NG. Go to 93.

235. No. Is it immediately preceded by a word beginning with a capital letter ?

236. Yes. Remember it as a Verb in the VG.

Go to 90.

237. No. Is it immediately followed by: up, over, down, off, in, on,..., etc. ?

238. Yes. Remember it as a Verb in the VG.

Go to 90.

239. No. Is it immediately followed by: another, into, before, through, one, some, no, not, such, each, then, there, those, these, this, well, even, later, how, often, if, almost, once, twice, the, a, an, Possessive Pronoun, that, us, you, me, him, her, it,..., ?

240. Yes. Remember it as a Verb in the VG.

Go to 90.

241. No. Is it followed by the construction: from + its ?

242. Yes. Remember it as a Verb in the VG.

Go to 90.

243. No. Is it followed (immed.) by: from ?

244. Yes. Remember it as a Verb in the VG.

Go to 90.

245. No. Remember it in the NG. Go to 93.

246-302

246. Is this: according, anything, something, including, during, morning,..., etc. ?

247. Yes. Remember it in the NG. Go to 93.

248. No. Is this word preceded by the construction: on + two consecutive words attributed to the NG ?

249. Yes. Remember the word in the NG. Go to 93.



250. No. Is the word to the left a Possessive Pronoun and at the same time the word to the right: to, at, in, for,..., ?
251. Yes. Remember the word in the NG. Go to 93.
252. No. Is this word: being ?
253. Yes. Is one of the preceding two words preceded by a name (if the name is not recorded in the dictionary to be understood "preceded by a capital-letter word" - except when this is the first word of the sentence, after full stop) ?
- 253a. Yes. Remember the word as a NG. Go to 93.
- 253b. No. Remember it as a Verb in the VG.  
Go to 90.
254. No. Is the word to the left - a Possessive Pronoun and at the same time is the word followed by the construction: and + a word ending in "-ing" + to (at, in, for,...) ?
255. Yes. Remember the word plus the word to the right in the NG. Go to 93.
256. No. Is it immed. preceded by a Possessive Pronoun and at the same time followed by a Personal pronoun ?
257. Yes. Remember it as a Gerund in the NG. Go to 93.
258. No. Is the word immediately followed by: a Reflexive pronoun (see List) ?
259. Yes. Remember it as a Present Participle in the NG. Go to 93.
260. No. Is the word immed. preceded by: less, more, much, best, better,..., ?
261. Yes. Remember it as Present Participle in the NG. Go to 93.
262. No. Is it immed. followed by: from, to, at, first, second, third,..., etc. ?
263. Yes. Remember it in the NG as Present Participle. Go to 93.
264. No. Is it preceded, up to two words back, by: in, even, a word ending in "-s", or by the construction: there + is (are, were, was),..., ?
265. Yes. Remember it as a Present Participle in the NG. Go to 93.
266. No. Is it preceded by the following construction: Verb + the (a, an) ?
267. Yes. Remember it as a Present Participle in the NG. Go to 93.

268. No. Is it immediately preceded by a Verb, or by: for, by, at, against, now, into, about, before, after,..., ?

269. Yes. Remember it as a Verb in the VG.

Go to 90.

270. No. Is it preceded, up to two words back, by: was, were, is, are,..., ?

271. Yes. Remember it as a Verb in the VG.

Go to 90.

272. No. Is it preceded by the following construction: have + been; has + been; of + a word belonging to the NG,..., ?

273. Yes. Remember it as a Verb in the VG.

Go to 90.

274. No. Is it immediately followed by: the, a, an, to, up, on, down, out, over, off, north, south, east, west,..., etc. ?

275. Yes. Remember it as a Verb in the VG.

Go to 90.

276. No. Is it immed. preceded by a Punctuation Mark and at the same time followed, up to two words ahead by: "from" ?

277. Yes. Remember it as a Verb in the VG.

Go to 90.

278. No. Is it immed. preceded by "of" and at the same time followed by: the, a, an, all,..., ?

279. Yes. Remember it as a Verb in the VG.

Go to 90.

280. No. Is it preceded by : of ?

281. Yes. Remember it as a Verb in the VG.

Go to 90.

282. No. Is it preceded, up to two words back by: the, a, an, each, every,

Numeral Ordinal,.... ?

283. yes. Remember it as a Gerund in the NG. Go to 93.

284. No. Is it immed. preceded by: with, any, on, after,.... ?

285. Yes. Remember it as Gerund in the NG.

Go to 93.

286. No. Is it immediately preceded by a Possessive Pronoun ?

287. Yes. Remember it as a Present Participle in the NG. Go to 93.

288. No. Is it followed by: in ?

289. Yes. Remember it as a Gerund in the NG. Go to 93.

290. No. Is it preceded by the construction: on + a word ending in "-ing" + and; this + a word ending in "-ing" + but ?

291. Yes. remember it as a Gerund in the NG.

Go to 93.

292. No. Is it preceded by the construction : to + Verb and at the same time followed by: with, at, in, for, over, up,.... ?

293. Yes. Remember it as Gerund in the NG.

Go to 93.

294. No. Is it immediately followed by: to, that, this, these, those, .... ?

295. Yes. Remember it as a Present Participle in the NG. Go to 93.

296. No. Is it immediately preceded by: by, while,.... ?

297. Yes. Remember it as a Present Participle in the NG. Go to 93.

298. Is this a compound word, separated with a dash ?

299. Yes. Remember it as a Gerund in the NG.

Go to 93.

300. No. Is it preceded, up to two words back, by words attributed to the NG ?

301. Yes. Remember it as a Present Participle in the NG. Go to 93.

302. No. Remember it in the NG. Go to 93.

N.B. The enumerated words and the words in brackets are alternatives. The ellipsis mark (three or more consecutive periods) indicate other possible alternatives.

3.1. Lists of markers used by algorithm No 1.

(i) List No 1: for, net, two, one, may, fig, any, day, she, his, him, her, you, men, its, six, sex, ten, low, fat, old, few, new, now, sea, yet, ago, nor, all, per, era, rat, lot, our, way, leg, hay, key, tea, lee, oak, big, who, tub, pet, law, hut, gut, wit, hat, pot, how, far, cat, dog, ray, net, hot, top, via, why, Mrs, way,...., etc.

(ii) List No 2: was, are, not, get, got, bid, had, did, due, see, saw, lit, let, say, met, rot, off, fix, lie, die, dye, lay, sit, try, led, nit,...., etc.

(iii) List No 3: pay, dip, bet, age, can, man, oil, end, fun, dry, log, use, set, air, tag, map, bar, mug, mud, tar, end, top, pad, raw, row, gas, red, rig, fit, own, let, aid, act, cut, tax, put,...., etc.

(iv) List No 4: to, all, thus, both, many, may, might, when, Personal Pronouns, so, must, would, often, did, make, made, if, can, will, shall,...., etc.

(v) List No 5: when, the, a, an, is, to, be, are, that, which, was, some, no, will, can, were, have, may, than, has, being, made, where, must, other, such, would, each, then, should, there, those, could, well, even, proportional, particular(ly), having, cannot, can't, shall, later, might, now, often, had, almost, can not, of, in, for, with, by, this, from, at, on, if, between, into, through, each, per, over, above, because, under, below, while, before, concerning, as, one,...., etc.

(vi) List No 6: with, this, that, from, which, these, those, than, then, where, when, also, more, into, other, only, same, some, there, such, those, about, least, them, early, either, while, most, thus, each, under, their, they, after, less, near, above, three, both, several, below, first, much, many, zero, even, hence, before, quite, rather, till, until, best, down, over, above, through, Reflexive Pronouns, self, whether, onto, only, once, since, toward(s), already, every, elsewhere,

thing, nothing, always, more, most, perhaps, sometimes, nothing, anything, something, everything, otherwise, often, last, around, still, instead, foreword, later, just, behind,..., etc.

(vii) List No 7: Includes all Irregular Verbs, with the following wordforms: Present, Present 3-d person singular, Past and Past participle.

(viii) List No 8: -ted, -ded, -ied, -ned, -red, -sed, -ked, -wed, -bed, -hed, -ped, -led, -ved, -reed, -ced, -med, -zed, -yed, -ued, ,..., etc.

(ix) List No 9: -ous, -ity, -less, -ph, -'s (except in: it's, what's, that's, there's, etc.), -ness, -ence, -ic, -ee, -ly, -is, -al, -ty, -que, -(t)er, -(t)or, -th (except in: worth), , -ul, -ment, -sion(s),..., etc.

(x) List No 10: Comprises a full list of all Numerals (Cardinal and Ordinal).

#### DIVISION OF THE SENTENCE INTO PHRASES

3. Algorithm for Division of the Sentence into Phrases. Algorithm No 2.

1. Feed the text to the computer. Start reading the words one by one (the Punctuation Marks are regarded as separate words), from left to right. With each consecutive word of the sentence we ask the following question: (go to 2).

2. Has the text ended ? (Is this the last word of the text ?).

3. Yes. Stop. End operation.

4. No. Commit this word (these words) to memory (send them to the buffer), if the word(s) are not sent to the buffer yet. The words are stored in memory one after the other, as they follow in the text.

4a. Read the next word and proceed to analyse it in 5.

5. Is this a full stop ? (The period, put after an abbreviation is not considered to be a full stop).

6. Yes. Print all what was stored in the buffer. Leave two lines of extra space before starting the next line.

7. No. Is this a Punctuation Mark, other than a full stop ? (other Punctuation

Marks are: ; - , ? ( ) : /).

8. Yes. Is it immediately followed by a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

8a. Yes. Is there yet another word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 to follow right after the previous word from the same Lists ?

8aa. Yes. Cut the sentence just before the Punctuation Mark and express this by starting the next record (in memory) on a new line. Record the two consecutive Auxiliary words (those that follow after the Punctuation mark) in the memory and go to 4a.

8ab. No. Cut the sentence just before the Punctuation Mark and express this cut by starting a new line of records in memory. Record the Auxiliary word following immediately after the Punctuation Mark and then go to 4a.

8b. No. Cut the sentence just before the Punctuation Mark and express the cut by starting a new line of records in memory. Go to 4a.

9. No. Is this: out, on, down, over, ..., ?

10. Yes. Is it followed by: an Article or a Possessive Pronoun ?

10a. Yes. Go to 10e.

10b. No. Analyse the sentence (from full stop to full stop) with Algorithm No 1, or No 3 (in the next section). Is one of the two preceding words a Verb (see the results obtained by those algorithms) ?

10c. Yes. Go to 4.

10d. No. Is it immediately followed by a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

10da. Yes. Is there yet another word from those Lists (No 1, 2, 3, 4, 5, 6, 7, 8) to follow right after the previous one from the same Lists ?

10db. Yes. Cut the sentence just before: out, up, in, on, ..., etc. and express this separation by leaving 4 spaces before recording this word and the two words following it. After recording (in memory) all three successive words go to 4a.

10dc. No. Cut the sentence just before out, in, up, on, ..., etc. and express this by

leaving four spaces then record those two consecutive words in memory. After this go to 4a. (10dc is no to 10da; 10db is not a question).

10e. No (to 10d). Cut the sentence just before out, in, up, on, ..., etc. and express this cut by leaving four spaces before going to 4.

11. No. Is this: to ?

12. Yes. Analyse this sentence (from full stop to full stop) with algorithm No 1 or No 3 (next) to determine if "to" is a Particle or a Preposition. Is "to" a Particle ?

12a. Yes. Go to 4.

12b. No. Is to immediately followed by a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

12c. Yes. Is there yet another word from lists No 1, 2, 3, 4, 5, 6, 7, 8 to follow right after the previous word from the same lists ?

12ca. Yes. Cut the sentence just before "to" and express this separation by leaving four spaces before recording this word and the two other words following it, in memory. After recording all three successive words go to 4a.

12cb. No. Cut the sentence just before "to" and express this separation by leaving four spaces before recording "to" and the word after it (this one matching a word from the Lists), in memory. After recording the two successive words go to 4a.

12d. No. Cut the sentence just before "to" and leave four spaces before recording "to" in memory. Record "to" in memory. Go to 2.

13. No. Is this a word construction of the type: as well as, so long as, as soon as, ..., ?

14. Yes. Is it immediately followed by a word from lists no 1, 2, 3, 4, 5, 6, 7, 8 ?

14a. Yes. Is there yet another word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 to follow right after the previous one from those Lists ?

14aa. Yes. Cut the sentence just before this word construction and express this

cut by leaving one space before recording in memory this word construction and the other two words following it. After recording them go to 4a.

14ab. No. Cut the sentence just before this word construction and express this cut by leaving one space before recording the above mentioned word construction and the word matched in the Lists that follows immediately after this construction. After recording the construction and the word that follows it go to 4a.

14b. No. Cut the sentence just before this construction and express this separation by leaving one space before recording the construction in memory. Then go to 4.

15. No. Is this a word from Lists No 2, 3 and 4 ?

16. Yes. Is it immediately followed by a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

16a. Yes. Is there yet another word to follow that matches a word from the Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

16aa. Yes. Cut the sentence just before the word in question and express this by leaving four spaces before recording in memory this word and the next two words (following it). After recording them in memory go to 2.

16ab. No. Cut the sentence just before this word and express this by leaving four spaces before committing it to memory together with the word that follows it. After recording these two successive words go to 2.

16b. No. Cut the sentence just before this word and express this by leaving four spaces before recording it in memory. Then go to 2.

17. No. Is this: or, nor, ..., ?

18. Yes. Is it immediately followed by a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

18a. Yes. Is there yet another word to follow that matches a word from the Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?



18aa. Yes. Cut the sentence just before the word (in 17) in question and express this by leaving one space before recording, in memory this word and the other two words following it. After recording them in memory go to 4a.

18ab. No. Cut the sentence just before the word in question and express this by leaving one space before recording it together with the next word that follows. After recording them to memory go to 2.

18b. No. Cut the sentence just before this word and express the cutting by leaving one space before recording it in memory. Record it and go to 2.

19. No. Is this a word from List No 1 ?

20. Yes. Is it immediately followed by a word that matches a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

20a. Yes. Is there yet another word to follow those two, one that matches a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

20aa. Yes. Cut the sentence just before the word in question (the one from List 1) and express this by leaving five spaces before recording in memory this word and the other two words that follow it. After recording them in memory go to 2.

20ab. No. Cut the sentence just before this word (from list 1) and express this by leaving five spaces before recording in memory this word and the other word following it. After recording them go to 2.

20b. No. Cut the sentence just before this word and express this by leaving five spaces before recording it in memory. Record it and go to 2.

21. No. Is this a word from List No 7 ?

22. Yes. Is it immediately followed by a word that matches a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

22a. Yes. Is it, in turn, followed by yet another word that matches a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

22aa. Yes. Cut the sentence just before the word in question and express this by

leaving three spaces before recording in memory this word and the other two words that follow it. After recording them go to 2.

22ab. No. Cut the sentence just before the word in question and express this by leaving three spaces before recording in memory this word and the next word following it. After recording these two successive words go to 2.

22b. No. Cut the sentence just before this word and express this by leaving three spaces before recording it in memory. Record it and go to 2.

23. No. Is this a word from List No 5 ?

24. Yes. Is it immediately followed by a word that matches one of the words in Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

24a. Yes. Does the next word in sequence also match a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

24aa. Yes. Cut the sentence just before the word in question and express this by leaving two spaces before recording in memory this word and the other two words following it. After recording them in memory go to 4a.

24ab. No. Cut the sentence just before this word and express this by leaving two spaces before recording it together with the word that follows it. After recording these two successive words in memory go to 4a.

24b. No. Cut the sentence just before this word and express this by leaving two spaces before recording it in memory. Record it and then go to 4a.

25. No. Is this: and ?

26. Yes. Is it immediately followed by a word that coincides with one of the words listed in Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

26a. Yes. Does the next word after these two also coincide with a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

26aa. Yes. Record in memory and plus the other two words following it in the sentence. Go to 4a.

26ab. No. Record in memory and plus the next word that follows it. Go to 4a.

26b. No. Is and preceded by a word that coincides with one of the words from Lists No 1, 2, 3, 4, 5, 6, 7, 8, and in turn is that word also preceded by another word that coincides with one of the words listed in Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

26c. Yes. Delete the space left before the second word to the left of and in order to connect the two phrases. Record and in memory. Go to 4a.

26d. No. Is and preceded by a word that coincides with a word from Lists No 1, 2, 3, 4, 5, 6, 7, 8 ?

26e. Yes. Delete the space left before the word preceding and in order to connect the two phrases. Record and. Go to 4a.

26f. No. Record and in memory. Go to 4a.

27. No. Go to 2.

3.1. Lists used by Algorithm No 2.

N.B. The words not registered in the Lists are recorded as they follow, in the same sequence, after those registered in the Lists.

(i) List No 1: besides, therefore, however, whereas, thus, hence, though, despite, with, nevertheless, throughout, through, during, that, only, but, if, otherwise, again, which, although, thereby, already, against, unless, thereafter, ..., etc.

(ii) List No 2: over, as, what, toward(s), for, into, about, by, so, from, at, above, under, beside, below, onto, since, behind, in front of, beyond, around, before, after, then, altogether, among(st), between, beneath, ..., etc.

(iii) List No 3: both, neither, none, ..., etc.

(iv) List No 4: of, to (as Preposition).

(v) List No 5: the, a, an.

(vi) List No 6: so much as, so far as, so far, as long as, as soon as, so long as, in order that, in order to, lest, as well as, and, or, nor, ..., etc.

(vii) List No 7: such, than, onto, until, all, near, even, when, while, within, last,

next, also, less, more, most, whether, much, once, one, any, many, some, where, another, other, each, then, whose, who, whoever, till, until, what, across, whence, according, due to, owing, whereby, prior, wherever, whenever, already, moreover, likewise, however,...., etc.

(viii) List No 8: out, in, on, down,...., etc.

### ALGORITHMIC RECOGNITION OF PARTS OF SPEECH

#### 3. Algorithm for Recognition of Parts of Speech. Algorithm No 3.

This algorithm was presented in (Georgiev, 1991) only as a block scheme and was referred to as Algorithm No 3.

1. Read the running word from the text (words are being read one after another, from the beginning of the text to the right). Or, has the text ended ?

2. Yes, Stop. End.

3. No. Is this a full stop ?

4. Yes. Print what has already been stored in memory. Go to 1.

5. No. Is this: Preposition, Article,...., ?

6. Yes. Record in memory against it: Preposition, (Article),.... Go to 1.

7. No. Is this : figure, number, Numeral ?

8. Yes. Record in memory against it (further we'll use: RM): a Numeral. Go to 1.

9. No. Is this word marked to enter in a fixed phrase (or idiom), or a compound name ?

10. Yes. Is it used in this particular context as such (as part of a phrase, etc.) ?

Search the context to see, comparing the context with the record in the Dictionary - the Dictionary of phrases, idioms, compound names, etc.

10a. Yes. Take the whole construction. RM: a phrase, idiom, compound name. Go to 1.

10b. No. Proceed to analyse this word in 11.

11. No. Is this PPNC ?
12. Yes. RM: PPNC. Go to 1.
13. No. Is this PPOC ?
14. Yes. RM: PPOC. Go to 1.
15. No. Is this Reflexive Pr. or Emphatic Pronoun ?
16. Yes. RM: Reflexive or Emphatic Pronoun. Go to 1.
17. No. Is this Reciprocal Pr. ?
18. Yes. RM: Reciprocal Pr. Go to 1.
19. No. Is this a Possessive Pr. ?
20. Yes. RM: Possessive Pr. Go to 1.
21. No. Is this a Demonstrative Pronoun ?
22. Yes. RM: Demonstrative Pr. Go to 1
23. No. Is this Interrogative Pr. ?
24. Yes. RM: Interrogative Pr. Go to 1.
25. No. Is this a Relative. Pr. ?
26. Yes. RM: Relative. Pr. Go to 1.
27. No. Is this Indicative. Pr. ?
28. Yes. RM: Indicative Pr. Go to 1.
29. No. Is this a Particle only ?
30. Yes. RM: Particle. Go to 1.
31. No. Is this a Conjunction ?
32. Yes. RM: Conjunction . Go to 1.
33. No. Is this an Interjection ?
34. Yes. RM: Interjection. Go to 1.
35. No. Is this a Punctuation Mark (except full stop) ?
36. Yes. RM: Punctuation Mark. Go to 1.

37. No. Is this an Adverb only ?
38. Yes. RM: Adverb. Go to 1.
39. No. Is this an Auxiliary Verb (see the List) ?
40. Yes. RM: Auxiliary Verb. Go to 1.
41. No. Is this a personal name ?
42. Yes. RM: N, personal name, d. Go to 1.
43. No. Is this a geographical name ?
44. Yes. RM: N, r, geographical name. Go to 1.
45. No. Is this an Abbreviation ?
46. Yes. RM: Abbr., N. Go to 1.
47. No. Is this a capital letter word (except as first word after full stop - applicable only to names unrecorded in the Dictionary) ?
48. Yes. RM: N. Go to 1
49. No. Is this a Noun only ?
50. Yes. RM: N. Go to 1.
51. No. Is this a Verb only ?
52. Yes. RM: V. Go to 1.
53. No. Is this an Adjective. only ?
54. Yes. Is it followed by a word from List No 1 ?
- 54a. Yes. RM: Predicative . Go to 1.
- 54b. No. RM: Adjective. Go to 1.
55. No. Does this word end in: "-s", "-s' " (The ending is for the Genitive of the Noun) ?
56. Yes. See for exceptions in the List of exceptions (like: that's, he's, it's, etc.). If it is an exception, record the first part of the word as a NG, the second part (the Auxiliary Verb) - as a VG (this rule will apply to all cases where the Genitive is mentioned for comparison). Else, RM: Adjective. Go to 1.
57. No. Is this: further, long ?

58. Yes. Start sub-routine 110-128 for "further" or "long".
59. No. Is this : near ?
60. Yes. Go to 130-140.
61. No. Is this: like ?
62. Yes. Go to 141-159.
63. No. Is this: still ?
64. Yes. Go to 160-172.
65. No. Is this: provided ?
66. Yes. Go to 180-185.
67. No. Is this: one ?
68. Yes. Go to 190-228.
69. No. Is this: back ?
70. Yes. Go to 231-245.
71. No. Is this: well ?
72. Yes. Go to 250-262.
73. No. Is this: second ?
74. Yes. Go to 270-288.
75. No. Is this: half ?
76. Yes. Go to 290-296.
77. No. Is this: will ?
78. Yes. Go to 300-308.
79. No. Is this: round ?
80. Yes. Go to 310-318.
81. No. Is this: past ?
82. Yes. Go to 320-326.
83. No. Is this: out, in, on, over, down, away, up, ..., (a List of Adverbs used with the Verb) ?

84. Yes. Is it preceded, up to two words back, by a Verb or by VAP ?
- 84a. Yes. RM: V, (or part of VAP). Go to 1.
- 84b. No. RM: Participle (Adverb or Preposition). Go to 1.
85. No. Is this: to ?
86. Yes. Go to 330-365.
87. No. Is this word marked NA ?
88. Yes. Go to 370-466.
89. No. Is this word marked AV ?
90. Yes. Go to 470-538.
91. No. Is this word marked: NV ?
92. Yes. Go to 550-874.
93. No. Is this word marked: ANV ?
94. Yes. Go to 880-1124.
95. No. Is this word marked: VAP ?
96. Yes. Go to 1131-1307.
97. No. Is this word marked: PANV ?
98. Yes. Go to 1321-1487.
99. No. Is this word marked: PAV ?
100. Yes, Go to 1501-1621.
101. No. Is this word marked: PA ?
102. Yes. Go to 1641-1653.
103. No. Is this word marked: PV ?
104. Yes. Go to 1661-1675.
105. No. Is this word marked: AA ?
106. Yes. Go to 1681-1701.
107. No. Is this word marked: VNP ?
108. Yes. Go to 550-874, then proceed to 1131-1307.
109. No. RM: unrecognised, ask the operator for help. Go to 1.



110a-128a (for the word "further").

110a. Is it preceded by: an Article, for, at, about, in, into, all,..., ?

111a. Yes. RM: Adj. Go to 1.

112a. No. Is it preceded by "any", which in turn is preceded by Verb only, or by PANV, PAV ?

113a. Yes. RM: Adverb. Go to 1.

114a. No. Is it preceded by an Adj. or by "without" and at the same time followed by a Noun only, or by NA, NV, ANV ?

115a. Yes. RM: Adj. Go to 1.

116a. No. Is it followed by a Noun only, NA, NV, ANV ?

117a. Yes. RM: Adj. Go to 1.

118a. No. Is it preceded by: to, does, do, did, might, will, would, can, could, shall, should, must, may, might,..., ?

119a. Yes. RM: V. Go to 1.

120a. No. Is it preceded by: not, also, Adv. ?

121a. Yes. Is "not", "also", Adv. preceded in turn by: do, does, did, will, shall, would, should, could, can, must, may, might,..., ?

121aa. Yes. RM: V. Go to 1.

121ab. No. RM: Adverb. Go to 1.

122a. No. Is it preceded by: no ?

123a. Yes. Is it at the same time followed by: an Adjective only, NA, NV, ANV ?

123aa. Yes. RM: Adj. Go to 1.

123ab. No. RM: Adverb. Go to 1.

124a. No. Is it followed by: more ?

125a. Yes. RM: Adverb. Go to 1.

126a. No. Is it preceded by a word marked: PANV, PAV ?

127a. Yes. RM: Adverb. Go to 1.

128a. No. RM: unrecognised, ask the operator for help. Go to 1.

110b-124b (for the word "long").

110b. Is "long" preceded by: Preposition, Possessive Pr., Article,...., and at the same time followed by: AV, NV, Adjective only, Noun only, ANV, PANV, VAP ?

111b. Yes. RM: Adj. Go to 1.

112b. No. Is it preceded by: how, very, much, for, too,...., an Adverb and at the same time followed by a word from List No 1 ?

113b. Yes. RM: Adverb. Go to 1.

114b. No. Is it preceded by a Verb (Auxiliary excluded) and at the same time followed by: Verb only (Auxiliary included) ?

115b. Yes. RM: Adverb. Go to 1.

116b. No. Is it preceded by: to, PPNC ?

117b. Yes. RM: V. Go to 1.

118b. No. Is it preceded by a Punctuation mark and at the same time followed by: Adjective only, NA, ANV, NV ?

119b. Yes. RM: Adj. Go to 1.

120b. No. Is it preceded by a Punctuation mark and at the same time followed by: after, since, before, ago,...., ?

121b. Yes. RM: Adverb. Go to 1.

122b. No. Is it preceded by: do, does, don't, can, can't, cannot, would(n't), will, won't, shall, shan't, must(n't), may, may not, might(n't),...., and at the same time followed by a Preposition or by a Punctuation Mark ?

123b. Yes. RM: V. Go to 1.

124b. No. Take it through sub-routines 110a-129a; if not found there RM: unrecognised, ask the user for help. Go to 1.

130-140 (for the word "near")

130. Is "near" preceded by: Article, all,...., and at the same time followed by:

Noun only, NA, ANV, NV ?

131. Yes. RM: Adjective. Go to 1.

132. No. Is it followed by an Article ?

133. Yes. RM: Adverb. Go to 1.

134. No. Is it preceded by: PANV, PAV, V ?

135. Yes. RM: Adverb. Go to 1.

136. No. Is it followed by: Noun only, NA, NV, ANV, Adj. only ?

137. Yes. RM: Adjective. Go to 1.

138. No. Is it preceded by: not, to, will, won't, do, does, don't, did, didn't, must(n't), can(not), can't, could(n't), shall, shan't, would(n't), should(n't), may, might(n't), may not, PPNC,...., ?

139. Yes. RM: V. Go to 1.

140. No. RM: unrecognised, ask the user for help. Go to 1.

141-159 (for the word "like")

141. Is "like" preceded by: Auxiliary Verb (Aux.V), Aux. V plus "not" (excluding: be, am, are, was, were), PPNC ?

142. Yes. RM: V. Go to 1.

143. No. Is it preceded by: not ?

144. Yes. Is "not" preceded, in turn, by: is, was, are, were (Note that "like" can be preceded by: isn't, wasn't, aren't, weren't, ....; in this case fulfil the provision under step 144a.).

144a. Yes. RM: Preposition. Go to 1.

144b. No. Is "not" preceded by a Verb ?

144c. Yes. RM: Preposition. Go to 1.

144d. No. RM: Adverb. Go to 1.

145. No. Is it followed by: PPOC, Reflexive Pr. ?

146. Yes. RM: Preposition. Go to 1.

147. No. Is it preceded by a Punctuation mark and at the same time followed by:

many, much, a few, few, a lot, lots, Article, these, this, that, those, such,.... ?

148. Yes. RM: Preposition. Go to 1.

149. No. Is it preceded by: PANV, PAV, V, such, many, much, few, a little bit, Article, little, nobody, no one,.... ?

150. Yes. RM: Preposition. Go to 1.

151. No. Is it preceded by: V, VAP ?

152. Yes. RM: Preposition. Go to 1.

153. No. Is it preceded by: Noun only, NV, ANV, which in turn is preceded by a Possessive Pr., V, which in turn is preceded by a Preposition, which in turn is preceded by a Verb and at the same time followed by an Article ?

154. Yes. RM: Preposition. Go to 1.

155. No. Is it preceded by: Noun,, which in turn is preceded by an Adj. and at the same time followed by: those, these, an Article, PPOC, Reflexive Pron. ?

156. Yes. RM: Preposition. Go to 1.

157. No. Is it preceded by: a Noun, which in turn is preceded by an Article or by a Possessive Pr., which in turn is preceded by an Adverb or by a Verb (Auxil. excluded) ?

158. Yes. RM: Preposition. Go to 1.

159. No. RM: unrecognised, ask the user for help. Go to 1.

160-172 (for the word "still")

160. Is "still" preceded by an Article and at the same time followed by: Noun only, NV, ANV, Adj. only ?

161. Yes. RM: Adj. Go to 1.

162. No. Is it preceded by: to ?

163. Yes. RM: V. Go to 1.

164. No. Is it followed by : be, ahead, further, PAV, PANV, Adverb, Article ?

165. Yes. RM: Adverb. Go to 1.

166. No. Is it preceded by: not, or by an Auxil. Verb (incl. negative form) and at

the same time followed by a Verb ?

167. Yes. RM: Adverb. Go to 1.

168. no. Is it followed by an Adj. only ?

169. Yes. RM: Adverb. Go to 1.

170. No. Is it preceded by an Adverb, which in turn is preceded by: be, is(n't), am (not), was(n't), are(n't), were(n't), been (not),..., ?

171. Yes. RM: Adj. used as Predicative. Go to 1.

172. No. Is it preceded by an Auxil. V. (incl. its negative form) , or by "not" and at the same time followed by: Article, Possessive Pr., Reflexive Pr., Demonstrative Pr., PPOC,...., ?

173. Yes. RM: V. Go to 1.

174. No. RM: unrecognised, ask the user for help. Go to 1.

180-185 (for the word "provided").

180. Is "provided" preceded, up to 3 words back by: PPNC, was(n't), is(n't), are(n't), were(n't), have(n't), has(n't), had(n't), be, been, not,...., ?

181. Yes. RM: Verb (Compound Verbal Tense).  
Go to 1.

182. No. Is it followed by: that ?

183. Yes. RM: Conjunction. Go to 1.

184. No. RM: Participle 1-st. Go to 1.

190-228 (for the word "one").

190. Is "one" preceded by: a word ending in "-s" ("-s' ") (Genitive of the Noun - see for exceptions), or by an Adj., which in turn is preceded by an Article and at the same time followed by a Noun only, NA, NV, ANV ?

191. Yes. RM: Numeral. Go to 1.

192. No. Is it preceded by an Article, or by an Adj. or by: each, every, or by a word ending in "-s" ("-s' "), or by: no, this, that, if,...., ?

193. Yes. RM: Pronoun. Go to 1.
194. No. Is it preceded by: only ?
195. Yes. Is "only" in turn preceded by "the" ?
- 195a. Yes. RM: Pronoun. Go to 1.
- 195b. No. RM: Numeral. Go to 1.
196. No. Is it preceded by: last, previous, former, ex, ..., or by Ordinal Number ?
197. Yes. RM: Pronoun. Go to 1.
198. No. Is it preceded by: not, is(n't), was(n't), become, became,...., which in turn is preceded by PPNC, this, that,...., ?
199. Yes. RM: Pronoun. Go to 1.
200. No. Is it preceded by "for", which in turn is preceded by a Noun, and at the same time followed by a Noun only, which in turn is followed by "only" ?
201. Yes. RM: Numeral. Go to 1.
202. No. Is it followed by: who, which,...., ?
203. Yes. RM: Pronoun. Go to 1.
204. No. Is it followed by: of, at, with, without, from,...., ?
205. Yes. RM: Numeral. Go to 1.
206. No. Is it followed by an Adj. only, which in turn is followed by a Noun only, NA, NV, AV, ANV ?
207. Yes. RM: Numeral. Go to 1.
208. No. Is it followed by: will, shall, can, would, has, have, do, does, must, may, might , did, (or their negative forms),...., which in turn is followed by a Verb only, NV, AV, ANV ?
209. Yes. RM: Pronoun. Go to 1.
210. No. Is it followed by: VAP ?
211. Yes. RM: Numeral. Go to 1.
212. No. Is it preceded by: than ?
213. Yes. RM: Numeral. Go to 1.

214. No. Is it preceded by a Noun, which in turn is preceded by an Adj. and at the same time followed by a Verb only (only Verb ending in "-s"), NV (only if ending in "-s"), ANV (only ending in "-s") ?

215. Yes. RM: Pronoun. Go to 1.

216. No. Is it preceded by a Noun and at the same time followed by: a Verb only (ending in "-s"), NV (ending in "-s"), ANV (ending in "-s") ?

217. Yes. RM: Pronoun. Go to 1.

218. No. Is it preceded by a word from List No 1 and at the same time followed by a Noun only, NV, Adverb, AV, ANV, NA ?

219. Yes. RM: Numeral. Go to 1.

220. No. Is it preceded by: is(n't), was(n't) and at the same time followed by: of, Noun only, Adverb, NA, NV, ANV ?

221. Yes. RM: Numeral. Go to 1.

222. No. Is it followed by an Adverb which in turn is followed by a Verb only, or by: NV, AV, ANV ?

223. Yes. RM: Pronoun. Go to 1.

224. No. Is it followed by: for, and, which in turn is followed by: more, Cardinal Number ?

225. Yes. RM: Numeral. Go to 1.

226. No. RM: unrecognised, ask the user for help. Go to 1.

231-245 (for the word "back").

231. Is "back" preceded, up to three words to the left, by a Phrasal Verb that takes "back" (like: go (back), come, start, put, etc.) - see List of those Verbs ?

232. Yes. RM: V. Go to 1.

233. No. Is it preceded by: to ?

234. Yes. RM: V. Go to 1.

235. No. Is it followed by: Noun only, NA, AV, ANV ?

236. Yes. RM: Adj. Go to 1.

237. No. Is it followed by: up ?
238. Yes. RM: V. Go to 1.
239. No. Is it preceded by an Article, or by an Adj. and at the same time followed by a word from list No 1 ?
240. Yes. RM: Noun. Go to 1.
241. No. Is it preceded by: "just" and at the same time followed by "from" ?
242. Yes. RM: V. Go to 1.
243. No. Is it followed by: in ?
244. Yes. RM: Adverb. Go to 1.
245. No. Is it preceded by: PANV, PAV and at the same time followed by a word from List No 1 ?
246. Yes. RM: Adverb. Go to 1.
247. No. RM: unrecognised, ask the user for help. Go to 1.
- 250-262 (for the word "well")
250. Is "well" preceded by a full stop and at the same time followed by a comma ?
251. Yes. RM: Adverb. Go to 1.
252. No. Is it preceded by: very, is(n't), was(n't), be, were(n't), are(n't), perfectly, quite, too, so, VAP ?
253. Yes. RM: Adverb. Go to 1.
254. No. Is it preceded by: Article, Possessive Pr. and at the same time followed by a word from List No 4 ?
255. Yes. RM: N. Go to 1.
256. No. Is it followed by: VAP ?
257. Yes. RM: Adverb. Go to 1.
258. No. Is it preceded by a Verb ?
259. Yes. RM: Adverb. Go to 1.



260. No. Is it preceded by an Adverb ?
261. Yes. RM: Adverb. Go to 1.
262. No. RM: unrecognised, ask the user for help. Go to 1.
- 270-288 (for the word "second")
270. Is "second" preceded by: one, 1 ?
271. Yes. RM: N. Go to 1.
272. No. Is it preceded by : a ?
273. Yes. Is "a" in turn, preceded by "just" ?
- 273a. Yes. RM: N. Go to 1.
- 273b. No. Is "a" in turn preceded by: "won", "win" and at the same time followed by: place, time ?
- 273c. Yes. RM: Numeral. Go to 1.
- 273d. No. Is "a" preceded by: remain,..., ?
- 273e. Yes. RM: N. Go to 1.
- 273f. No. Is "second" followed by: Adjective only, NA, Noun only, NV, ANV, VAP ?
- 273h. Yes. RM: Adj. (from Numeral). Go to 1.
- 273g. No. Go to 276.
274. No. Is it preceded by: to ?
275. Yes. RM: V. Go to 1.
276. No. Is it followed by: time, place, division, edition, volume, book, choice,..., ?
277. Yes. RM: Numeral (as Adj. ). Go to 1.
278. No. Is it preceded by: Possessive Pr., came, stands, another,..., ?
279. Yes. RM: Numeral. Go to 1.
280. No. Is it preceded by: PPNC, shall, shan't, will, won't, should(n't), would(n't), must(n't), may, may not, might(n't), can('t), cannot, could(n't),..., ?
281. Yes. RM: V. Go to 1.

282. No. Is it preceded by: Article, and at the same time followed by: after, before,...., ?
283. Yes. RM: N. Go to 1.
284. No. Is it preceded by: Article, which in turn is preceded by: "only" and at the same time followed by a word from List No 1 ?
285. Yes. RM: N. Go to 1.
286. No. Is it followed by: Noun only, Adj. only, NA, NV, ANV ?
287. Yes. RM: Numeral. Go to 1.
288. No. Go through sub-routines: 880-1124; 550-872; and, if it is still unresolved, record in memory: Numeral. Go to 1.
- 290-296 (for the word "half")
290. Is "half" preceded by: Article, Verb only, is(n't), was(n't), am, am not, are(n't), have(n't), has(n't),...., ?
291. Yes. RM: Numeral. Go to 1.
292. No. Is it followed by: VAP, AV ?
293. Yes. RM: Adverb. Go to 1.
294. No. Is it followed by: of, from,...., ?
295. Yes. RM: Numeral. Go to 1.
296. No. RM: unrecognised, ask the user for help. Go to 1.
- 300-308 (for the word "will").
300. Is "will" preceded by: PPNC, a personal name (d), geographical name (r), word denoting nation, nationality (lexico - semantical description required), (nation, nationality in plural only !),...., ?
301. Yes. RM: Auxil. V. Go to 1.
302. No. Is it preceded by: Article, Possessive Pr., Adj. only ?
303. Yes. RM: N. Go to 1.
304. No. Is it preceded by: full stop, Inverted Comas and at the same time

followed by PPNC ?

305. Yes. RM: Auxil. Verb. Go to 1.

306. No. Is it followed by a Verb ?

307. Yes. RM: V. Go to 1.

308. No. RM: N. Go to 1.

310-318 (for the word "round").

310. Is "round" followed by: Noun only, NA, Adj. only, ANV, NV ?

311. Yes. RM: Adj. Go to 1.

312. No. Is it preceded by an Adverb, which in turn is preceded by: was(n't), is(n't), are(n't), am, am not, were(n't), had(n't), have(n't), be,...., ?

313. Yes. RM: Adj. as Predicative. Go to 1.

314. No. Is it preceded by: not, was(n't), is(n't), am, are(n't), were(n't),...., and at the same time followed by a Numeral ?

315. Yes. RM: Adverb. Go to 1.

316. No. Is it preceded by: not, was(n't), is(n't), am, are(n't), were(n't),...., and at the same time followed by a word from List No 1 ?

317. Yes. RM: Adj. as Predicative . Go to 1.

318. No. Proceed in: 231-245; 1681-1701.

320-326 (for the word "past").

320. Is "past" preceded by: Article, Possessive Pr., both,...., and at the same time followed by a word from List No 1 ?

321. Yes. RM: N. Go to 1.

322. No. Is it preceded by: Article, Possessive Pr., Preposition,...., ?

323. Yes. RM: Adj. Go to 1.

324. No. Is it preceded by : Adverb, Numeral ?

325. Yes. RM: Participle 1-st. Go to 1.

326. No. Is it preceded by: is(n't), not, am, are(n't), was(n't), were(n't), has(n't), have(n't), be ?

327. Yes. RM: Participle 2-nd (used in compound Tense). Go to 1.
328. No. Go through sub-routines 370-466. If not recognised there, RM: Participle 1-st.  
Go to 1.
- 330-365 (for the word "to").
330. Is "to" preceded by: due, according, corresponding, thanks, next,..., ?
331. Yes. RM: Preposition (Prep.). Go to 1.
332. No. Is it preceded by "time" and at the same time followed by "time" ?
333. Yes. RM: Prep. Take the word "time" (after "to") and RM: N. Go to 1.
334. No. Is "to" followed by a Verb only ?
335. Yes. RM: Particle. Go to 1.
336. No. Is it preceded by: VAP, Adverb ?
337. Yes. RM: Particle (Infinitive). Go to 1.
338. No. Is it followed by: Article, every, PPOC, which, that, this, these, those, Possessive Pr., worse, worst,..., a word ending in "'s" ("-'s' ") ?
339. Yes. RM: Preposition. Go to 1.
340. No. Is it preceded by : PANV, PAV ?
341. Yes. RM: Preposition. Go to 1.
342. No. Is it followed by a word, which in turn is followed by a full stop ?
343. Yes. RM: Preposition. Go to 1.
344. No. Is it preceded by a word, which in turn is preceded by another word, which in turn is preceded by an Article and at the same time followed by a word, which in turn is followed by a Preposition or by a Punctuation mark ?
345. Yes. RM: Preposition. Go to 1.
346. No. Is it preceded by a word, which in turn is preceded by another word, which in its own turn is preceded by an Article ?
347. Yes. RM: Preposition. Go to 1

348. No. Is it preceded by a Verb, which in turn is preceded by "to" ?
349. Yes. RM: Preposition. Go to 1.
350. No. Is it preceded by: it, is, are(n't), be, was(n't), were(n't), not, have(n't), has(n't), had(n't), am, am not,...., ?
351. Yes. RM: Particle (Infinitive). Go to 1.
352. No. Is it preceded by: so as ?
- 353 Yes. RM: Particle (Infinitive). Go to 1.
354. No. Is it preceded by a word, which in turn is preceded by: PPNC, PPOC ?
355. Yes. RM: Particle (inf.). Go to 1.
356. No. Is it followed by: NV, AV, ANV ?
357. Yes. RM: Particle (Infinitive). Go to 1.
358. No. Is it preceded, up to 2 words back, by: more,...., ?
359. Yes. RM: Preposition. Go to 1.
360. No. Is it preceded by a word, which in turn is preceded by a Possessive Pr. ?
361. Yes. RM: Preposition. Go to 1.
362. No. RM: unrecognised, ask the operator for help. Go to 1.
- 370-466 ( for: NA)
370. Is NA preceded by "of" and at the same time followed by ANV, which in turn is followed by a word from List No 1 ?
371. Yes. RM: N. Go to 1.
372. No. Is NA preceded by: both, of,...., ?
373. Yes. RM: N. Go to 1.
374. No. Is NA preceded by a Numeral (Cardinal, Ordinal) and at the same time followed by: NA, Noun only ?
375. Yes. RM: Adj. Go to 1.
376. No. Is NA followed by: Noun only ?
377. Yes. RM: Adj. Go to 1.

378. No. Is NA preceded by: Adj. only, ANV, NA, and at the same time followed by "and" ?
379. Yes. RM: N. Go to 1.
380. No. Is NA preceded by: Article, Demonstrative Pron., and at the same time followed by NV, which in turn is followed by "for" ?
381. Yes. RM: N. Go to 1.
382. No. Is NA preceded by: Article, more, most, less, least,...., and at the same time followed by a word from List No 1 ?
383. Yes. RM: N. Go to 1.
384. No. Is NA followed by an Adj. only, or by NA ?
385. Yes. RM: Adj. Go to 1.
386. No. Is NA preceded by: Adj. only, NA, a word ending in "-s" ("-s' ") (Genitive of the Noun - see for exceptions) and at the same time followed by a Noun only, NV, ANV ?
387. Yes. RM: Adj. Go to 1.
388. No. Is NA preceded by: Article, more, less, least, most,...., and at the same time followed by: Noun only, Adj. only, NA, NV, ANV ?
389. Yes. RM: Adj. Go to 1.
390. No. Is NA preceded by an Adj. only, NA and at the same time followed by a word from List No 1 ?
391. Yes. RM: N. Go to 1.
392. No. Is NA preceded by a Possessive Pr. and at the same time followed by: NA, Noun only,...., ?
393. Yes. RM: Adj. Go to 1.
394. No. Is NA preceded by a Possessive Pr. and at the same time followed by a word from List No 1 ?
395. Yes. RM: N. Go to 1.

396. No. Is NA followed by: Noun only, Adj. only, NA ?
397. Yes. RM: Adj. Go to 1.
398. No. Is NA preceded by: Adj. only, a word ending in "-s" ("-s' ") (Genitive of the Noun - see for exceptions), NA, ANV, AV and at the same time followed by a word from List No 1 ?
399. Yes. RM: N. Go to 1.
400. No. Is NA followed by NV and is NV followed in turn by a word from List No 1 ?
401. Yes. RM: Adj. Go to 1.
402. No. Is NA preceded by a word from List No 5 and at the same time followed by: Adjective only, Noun only, NA, NV, ANV ?
403. Yes. RM: Adj. Go to 1.
404. No. Is NA preceded by a word from list No 5 and at the same time followed by a word from List No 1 ?
405. Yes. RM: N. Go to 1.
406. No. Is NA preceded by: no, in, into, other, another, from, for, this, that, these, those, any, some,...., ?
407. Yes. RM: N. Go to 1.
408. No. Is NA preceded by: PAV, PANV, VAP and at the same time followed by a word from List No 1 ?
409. Yes. RM: N. Go to 1.
410. No. Is NA preceded by Noun and at the same time followed by NV ?
411. Yes. RM: N. Go to 1.
412. No. Is NA preceded by: PAV, PANV, VAP and at the same time followed by : NV, ANV, NA, Noun only, Adj. only ?
413. Yes. RM: Adj. Go to 1.
414. No. Is NA followed by ANV, which in turn is followed by Noun only or by NA ?

415. Yes. RM: Adj. Go to 1.
416. No. Is NA preceded by: PANV, PAV, VAP, which in turn is preceded by an Article ?
417. Yes. RM: N. Go to 1.
418. No. Is NA preceded by a name (if the name is not recorded in the dictionary to be understood "preceded by a capital-letter word" - except when first word of a sentence, after full stop)?
419. Yes. RM: N. Go to 1.
420. No. Is NA preceded by a Noun only which in turn is preceded by an Article ?
421. Yes. RM: N. Go to 1.
422. No. Is NA preceded by a Verb only ?
423. Yes. RM: N. Go to 1.
424. No. Is NA followed by PANV ?
425. Yes. RM: Adj. Go to 1.
426. No. Is NA preceded by PANV, which in turn is preceded by "of" ?
427. Yes. RM: N. Go to 1.
428. No. Is NA preceded by a Punctuation Mark and at the same time followed by: and ?
429. Yes. RM: N. Go to 1.
430. No. Is NA preceded by "and" which in turn is preceded by a Noun ?
431. Yes. RM: N. Go to 1.
432. No. Is NA preceded by a Numeral (Cardinal, Ordinal) or by an Abbrev. and at the same time followed by a word from list No 1 ?
433. Yes. RM: N. Go to 1.
434. No. Is NA preceded by a Noun only, which in turn is preceded by an Article and at the same time followed by a Verb only ?
435. Yes. RM: N. Go to 1.



436. No. Is NA preceded by PANV and at the same time followed by a word from List No 1 ?
437. Yes. RM: N. Go to 1.
438. No. Is NA preceded by a word from list No 1 and at the same time followed by a word from List No 1 (with the exception of comma from List No 1 ) ?
439. Yes. RM: N. Go to 1.
440. No. Is NA preceded by a comma and at the same time followed by a comma ?
441. Yes. Is the comma, in turn, preceded by an Adjective ?
- 441a. Yes. RM: Adj. Go to 1.
- 441b. No. Is the comma followed, in turn, by an Adj. ?
- 441c. Yes. RM: Adj. Go to 1.
- 441d. No. RM: N. Go to 1.
442. No. Is NA followed by: of, at, in, into,..., ?
443. Yes. RM: N. Go to 1.
444. No. Is NA preceded by "and" ?
445. Yes. Is "and" preceded in turn, by a Noun ?
- 445a. Yes. RM: N. Go to 1.
- 445b. No. Is "and" preceded by an Adj. ?
- 445c. Yes. RM: Adj. Go to 1.
- 445d. No. Go to 446.
446. No. Is NA preceded by a word from List No 1 and at the same time followed by: Noun only, Adj. only, NA, ANV, NV, PANV ?
447. Yes. RM: Adj. Go to 1.
448. Is NA preceded by AV which in turn is preceded by a Noun only or by an Abbrev. ?

449. Yes. RM: Adj. Go to 1.
450. No. Is NA preceded by: be, is(n't), are(n't), was(n't), were(n't), am, am not, and at the same time followed by a comma ?
451. Yes. RM: Adj. Go to 1.
452. No. Is NA followed by AV, which in turn is followed by a Noun only, or by NA ?
453. Yes. RM: Adj. Go to 1.
454. No. Is NA preceded by an Adj. and at the same time followed by a word from List No 1 ?
455. Yes. RM: N. Go to 1.
456. No. RM: unrecognised, ask the user for help. Go to 1.
- 470-538 (for: AV).
470. Is AV preceded by: Article, Possessive Pr., over, under, below, in front of, toward(s), every, upon, of, where, when, all, no, against, some, by, for, beyond, at, how, other, another, on, in, into, as, from, any, very,...., ?
471. Yes. RM: Adj. Go to 1.
472. No. Is AV preceded by: Adjective only, NA, Abbrev., a word ending in "'-s'" ("-'s' ") Genitive of the Noun - see for exceptions), and at the same time followed by: Adj. only, Noun only, NA, ANV ?
473. Yes. RM: Adj. Go to 1.
474. No. Is AV preceded by an Adj. and at the same time followed by: ANV, which in turn is followed by a Noun only or by NA ?
475. Yes. RM: Adj. Go to 1.
476. No. Is AV followed by NV ?
477. Yes. RM: Adj. Go to 1.
478. No. Is AV preceded by: so, Adverb, which in turn is preceded by: is(n't), be, was(n't), were(n't), am, am not, are(n't),...., ?
479. Yes. RM: Adj. Go to 1.

480. No. Is AV preceded by: is(n't), was(n't), are(n't), were(n't) ?
481. Yes. RM: Adj. Go to 1.
482. No. Is AV followed by a Noun only or by NA ?
483. Yes. RM: Adj. Go to 1.
484. No. Is AV preceded by a Reflexive Pronoun ?
485. Yes. RM: V. Go to 1.
486. No. Is AV followed by a Numeral which in turn is followed by a Noun only or by NA ?
487. Yes. RM: Adj. Go to 1.
488. No. Is AV preceded by an Adverb and at the same time followed by: to ?
489. Yes. RM: Adj. Go to 1.
490. No. Is AV followed by ANV which in turn is followed by a Noun only or by NA ?
491. Yes. RM: Adj. Go to 1.
492. No. Is AV preceded by a comma which in turn is preceded by: PAV, PANV, VAP, which in turn is preceded by an Adverb ?
493. Yes. RM: Adj. Go to 1.
494. No. Is AV preceded by: do, don't, do not, does(n't), does not, did(n't), did not,...., ?
495. Yes. RM: V. Go to 1.
496. No. Is AV preceded by PPNC or by: to ?
497. Yes. RM: V. Go to 1.
498. No. Is AV preceded by an Adverb, which in turn is preceded by: will, shall, would, should, must,...., (and their negative forms) ?
499. Yes. RM: V. Go to 1.
500. No. Is AV preceded by an Adverb ?
501. Yes. RM: Adj. Go to 1.
502. No. Is AV preceded by: will, shall, should, would, must,...., (and their

negative forms) ?

503. Yes. RM: V. Go to 1.

504. No. Is AV followed by: for, more, most,..., ?

505. Yes. RM: V. Go to 1.

506. No. Is AV preceded by a Demonstrative Pronoun ?

507. Yes. RM: Adj. Go to 1.

508. No. Is AV preceded by: and ?

509. Yes. Is "and" in its own turn preceded by an Adj. ?

509a. Yes. RM: Adj. Go to 1.

509b. No. Is "and", in its turn, preceded by a Verb ?

509c. Yes. RM: V. Go to 1.

509d. No. Go to 509e.

509e. Is "and", in its turn, preceded, up to 3 words to the left, by a Verb ?

509f. Yes. RM: V. Go to 1.

509h. No. Go to 510.

510. No. Is AV preceded by a comma, which in turn is preceded by an Adj. ?

511. Yes. RM: Adj, Go to 1.

512. No. Is AV preceded by a name and at the same time followed by a Noun only, which in turn is followed by "of" ?

513. Yes. RM: V. Go to 1.

514. No. Is AV followed by PPOC ?

515. Yes. RM: V. Go to 1.

516. No. Is AV preceded by PPNC, or by: to ?

517. Yes. RM: V. Go to 1.

518. Is AV followed by: Article, Possessive Pr. ?

519. Yes. RM: V. Go to 1.

520. No. Is AV preceded by: a Noun only, NA, NV, ANV, PAV, PANV, VAP, and at the same time followed by a word from List No 1 or by an Adj. only ?

521. Yes. RM: V. Go to 1.
522. No. RM: unrecognised, ask the user for help. Go to 1.
- 550-874 (for: NV).
550. Is NV preceded by: ANV, NV, NA, which in turn is preceded by: Adj. only, Noun only, NA, ANV, NV, which in turn is preceded by an Article and at the same time followed by: Verb only, or by VAP, or by: of ?
551. Yes. RM: N. Go to 1.
552. No. Is NV preceded by a word from List No 6 and at the same time followed by a word from List No 1 ?
553. Yes. RM: N. Go to 1.
554. No. Is NV preceded by a word from List No 6 and at the same time followed by: Adj. only, Noun only, NA, NV, ANV, here, there, everywhere, where, when,...., ?
555. Yes. RM: N. Go to 1.
556. No. Is NV preceded by "some", which in turn is preceded by a word from List No 1 ?
557. Yes. RM: N. Go to 1.
558. No. Is NV preceded by a word from List No 6 ?
559. Yes. RM: N. Go to 1.
560. No. Is NV preceded by PANV, which in turn is preceded by a Noun ?
561. Yes. RM: N. Go to 1.
562. No. Is NV preceded by: ANV, NV, NA, which in turn is preceded by an Adjective only, Noun only, NA, ANV, NV, which in its own turn is preceded by an Article and at the same time followed by a word from List No 1 ?
563. Yes. RM: V. Go to 1.
564. No. Is NV preceded by ANV, which in turn is preceded by an Adj., or by: VAP, PAV, PANV, a word ending in "-s" ("-s' ") Genitive of the Noun - see for exceptions),...., ?

565. Yes. RM: N. Go to 1.
566. No. Is NV preceded by: ANV, AV, Adj. and at the same time followed by a word from list No 1 ?
567. Yes. RM: N. Go to 1.
568. No. Is NV preceded by "now" and at the same time followed by an Article ?
569. Yes. RM: V. Go to 1.
570. No. Is NV preceded by PPOC, which in turn is preceded by: make, made ,..., ?
571. Yes. RM: V. Go to 1.
572. No. Is NV preceded by: not, do(es), do(n't), does(n't), did(n't),..., ?
573. Yes. RM: V. Go to 1.
574. No. Is NV preceded by a geographical name ?
575. Yes. RM: N. Go to 1.
576. No. Is NV preceded by a Noun only (as a person - d) , or a Personal name and at the same time followed by a word from List No 1 ?
577. Yes. RM: V. Go to 1.
578. No. Is NV preceded by a Noun and at the same time followed by an Adverb ?
579. Yes. RM: V. Go to 1.
580. No. Is NV preceded by: all ?
581. Yes. Is "all" in turn preceded by: you, we, they ?
- 581a. Yes. RM: V. Go to 1.
- 581b. No. RM: N. Go to 1.
582. No. Is NV preceded by "to", which in turn is preceded by a Verb ?
583. Yes. RM: V. Go to 1.
584. No. Is NV preceded by "both", which in turn is preceded by: you, we, they, Adverb, will, won't, would(n't), should(n't), do(n't), did(n't), might(n't), can(n't),

cannot, can (not), must(n't), may, may not,...., ?

585. Yes. RM: V. Go to 1.

586. No. Is NV preceded by "both", which in turn is preceded by a Verb ?

587. Yes. RM: N. Go to 1.

588. No. Is NV followed by PPOC or by PPNC ?

589. Yes. RM: V. Go to 1.

590. No. Is NV preceded by "well", which in turn is preceded by: might, may, can, could, will, shall, should, would,...., (and their negative forms) ?

591. Yes. RM: V. Go to 1.

592. No. Is NV preceded by an Adverb (including compound adverbs, like: no longer), which in turn is preceded by: do, does, did, will, shall, should, would, can, could, may, might, must, ought,...., (and their negative forms), or by PPNC ?

593. Yes. RM: V. Go to 1.

594. No. Is NV preceded by: so, much, Adverb, which in turn is preceded by: do, does, did, will, shall, should, would, can, could, may, might, must, ought,...., (and their negative forms) ?

595. Yes. RM: V. Go to 1.

596. No. Is NV preceded by: do, does, did, will, shall, should, would, can, could, not, may, might, must, ought,...., (and their negative forms) ?

597. Yes. RM: V. Go to 1.

598. No. Is NV preceded by NV, which in turn is preceded by an Adverb (incl.: well) and at the same time followed by a Noun only, NA, ANV, NV ?

599. Yes. RM: V. Go to 1.

600. No. Is NV preceded by NV, which in turn is preceded by a word from List No 7 and at the same time followed by: a Noun only, NA, ANV, NV ?

601. Yes. RM: V. Go to 1.

602. No. Is NV preceded by "to", which in turn is preceded by VAP and at the

same time followed by: of, for,.... ?

603. Yes. RM: V. Go to 1.

604. No. Is NV preceded by "to" which in turn is preceded by VAP ?

605. Yes. RM: V. Go to 1.

606. No. Is NV preceded by a Noun, which in turn is preceded by: this, that, these, those, Article,...., and at the same time followed by an Article ?

607. Yes. RM: V. Go to 1.

608. No. Is NV preceded by: a Noun only, a compound word (separated with a dash) a word ending in "-s" ("-s' ") Genitive of the Noun - see for exceptions), an Adjective only, NA, ANV, which in turn is preceded by an Article and at the same time followed by: to, Verb only, VAP ?

609. Yes. RM: N. Go to 1.

610. No. Is NV preceded by a Noun only, Adjective only, NA, ANV, AV, NV, which in turn is preceded by an Article and at the same time followed by: ANV, NV, AV, Verb only ?

611. Yes. RM: N. Go to 1.

612. No. Is NV preceded by: Adjective only, NA, ANV, which in turn is preceded by: Article, this, that, Possessive Pr., and at the same time followed by a Punctuation Mark ?

613. Yes. RM: N. Go to 1.

614. No. Is NV preceded by a Noun, which in turn is preceded by: this, that, these, those, Article ?

615. Yes. RM: V. Go to 1.

616. No. Is NV preceded by: who, just, which,...., and at the same time followed by: to, Article ?

617. Yes. RM: V. Go to 1.

618. No. Is NV preceded by an Abbrev., which in turn is preceded by an Adj. ?



619. Yes. RM: N. Go to 1.
620. No. Is NV preceded by: that, these, those, this,..., which in turn is preceded by a Verb ?
621. Yes. RM: N. Go to 1.
622. No. Is NV preceded by NA, which in turn is preceded by: that, this, these, those,..., and at the same time followed by: for, Article,..., ?
623. Yes. RM: V. Go to 1.
624. No. Is NV preceded by: that, this, these, those, ..., and at the same time followed by: for, Article,..., ?
625. Yes. RM: V. Go to 1.
626. No. Is NV preceded by NA, which in turn is preceded by: that, this, these, those,..., ?
627. Yes. RM: V. Go to 1.
628. No. Is NV preceded by: this, that, these, those,..., and at the same time followed by VAP ?
629. Yes. RM: N. Go to 1.
630. No. Is NV preceded by: it ?
631. Yes. Does NV (under examination) end in "-s" ?
- 631a. Yes. RM: V. Go to 1.
- 631b. No. RM: N. Go to 1.
632. No. Is NV preceded by a Numeral (figure, number), which in turn is preceded by a Verb ?
633. Yes. RM: N. Go to 1.
634. No. Is NV preceded by a Numeral, or by a Noun, or by the word "second",..., which in turn is preceded by PANV and at the same time followed by: Article, to ?
635. Yes. RM: V. Go to 1.

636. No. Is NV preceded by a Numeral ?
637. Yes. RM: V. Go to 1.
638. No. Is NV preceded by a Possessive Pr., which in turn is preceded by: made, make(s) ?
639. Yes. RM: N. Go to 1.
640. No. Is NV preceded by: VAP, PAV, PANV, ..., and at the same time followed by PPOC ?
641. Yes. RM: V. Go to 1.
642. No. Is NV preceded by an Adj. and at the same time followed by NV, which in turn is followed by a name (personal, geographical) ?
643. Yes. RM: N. Go to 1.
644. No. Is NV preceded by NV, which in turn is preceded by an Adj. and at the same time followed by a name (d, r, or capital-letter word, if the name is not registered in the Dictionary, except when after full stop) ?
645. Yes. RM: V. Go to 1.
646. No. Is NV preceded by: Adjective only, NA, ANV, AV, which in turn is preceded by a word from List No 1, and at the same time followed by a word from List No 1 ?
647. Yes. RM: N. Go to 1.
648. No. Is NV preceded by a Verb, which in turn is preceded by: to ?
649. Yes. RM: N. Go to 1.
650. No. Is NV preceded by "to", which in turn is preceded by: Noun only, NA, ANV, NV, which in its turn is preceded by an Article, and at the same time followed by an Adverb ?
651. Yes. RM: V. Go to 1.
652. No. Is NV preceded by "to", which in turn is preceded by a Noun (only), NV, ANV, NA, which in turn is preceded by an Article and at the same time followed by VAP ?

653. Yes. RM: N. Go to 1.
654. No. Is NV preceded by "to", which in turn is preceded by a Noun, which in its own turn is preceded by a Possessive Pr. ?
655. Yes. RM: V. Go to 1.
656. No. Is NV preceded by: to ?
657. Yes. Does NV end in "-s" ?
- 657a. Yes. RM: N. Go to 1.
- 657b. No. RM: V. Go to 1.
658. No. Is NV preceded by NA, which in turn is preceded by "of", which in its own turn is preceded by a Noun ?
659. Yes. RM: V. Go to 1.
660. No. Is NV preceded by a Noun, which in turn is preceded by an Adj. and at the same time followed by: Adj. only, Noun only ?
661. Yes. RM: V. Go to 1.
662. No. Is NV preceded by: a Numeral, Noun, the word "second", which in turn is preceded by PANV ?
663. Yes. RM: V. Go to 1.
664. No. Is NV preceded by a Noun only, and at the same time followed by: this, that, these, those,..., Article ?
665. Yes. RM: V. Go to 1.
666. No. Is NV preceded by: now, who, which,..., ?
667. Yes. RM: V. Go to 1.
668. No. Is NV preceded by ANV and at the same time followed by NV, which in turn is followed by: this, those, these, Article ?
669. Yes. RM: V. Go to 1.
670. No. Is NV preceded by NV, which in turn is preceded by ANV and at the same time followed by: those, this, these, Article ?
671. Yes. RM: V. Go to 1.

672. No. Is NV preceded by: "that" and at the same time followed by: Verb only, by, that,..., ?
673. Yes. RM: N. Go to 1.
674. No. Is NV preceded by "that" and at the same time followed by: this, that, those, these, Article ?
675. Yes. RM: V. Go to 1.
676. No. Is NV preceded by: neither, nor,..., ?
677. Yes. RM: N. Go to 1.
678. No. Is NV preceded by a Noun, which in turn is preceded by a Numeral and at the same time followed by: to ?
679. Yes. RM: V. Go to 1.
680. No. Is NV preceded by a Noun and at the same time followed by: to ?
681. Yes. RM: V. Go to 1.
682. No. Is NV preceded by a Noun, which in turn is preceded by: NA, Adj., and at the same time followed by: from, this, these, those, that, Article,..., ?
683. Yes. RM: V. Go to 1.
684. No. Is NV preceded by a Noun, which in turn is preceded by NA or by an Adj. ?
685. Yes. RM: V. Go to 1.
686. No. Is NV preceded by ANV, which in turn is preceded by an Adj. and at the same time followed by an Adj. only, or by NA ?
687. Yes. RM: N. Go to 1.
688. No. Is NV followed by: PPOC, from. for, Reflexive Pronoun,..., ?
689. Yes. RM: V. Go to 1.
690. No. Is NV preceded by: and, but ?
691. Yes. Is, in its turn "but", "and" preceded by a Noun (disregard the comma in this case !) ?
- 691a. Yes. RM: N. Go to 1.

691b. No. Is "but", "and" preceded by a Verb ?

691c. Yes. RM: V. Go to 1.

691d. No. Go to 692.

692. No. Is NV preceded by NA, which in turn is preceded by: Adj., VAP, PAV, a word ending in "'s" ("-'s' ") Genitive of the Noun - see for exceptions), Abbrev., NA ?

693. Yes. RM: N. Go to 1.

694. No. Is NV preceded by an Abbrev. ?

695. Yes. RM: V. Go to 1.

696. No. Is NV preceded by: Adj. only, NA, ANV, which in turn is preceded by "and", and at the same time followed by: NV, Noun only, ANV, NA, which in its turn is followed by: Verb only, VAP ?

697. Yes. RM: N. Go to 1.

698. No. Is NV preceded by: PAV, PANV, VAP, which in turn is preceded by a Numeral ?

699. Yes. RM: N. Go to 1.

700. No. Is NV preceded by: PANV, PAV, VAP ?

701. Yes. RM: N. Go to 1.

702. No. Is NV preceded by an Adj., which in turn is preceded by an Adj. and at the same time followed by: NV, ANV, Verb only, which in turn is followed by: in, into, out, over, away, up, down,...., ?

703. Yes. RM: N. Go to 1.

704. No. Is NV preceded by an Adj., which in turn is preceded by: Possessive Pr., a word ending in "'s" ("-'s' ") Genitive of the Noun - see for exceptions), AV, VAP, PAV, Adj., Article,...., and at the same time followed by a word from List No 1 ?

705. Yes. RM: N. Go to 1.

706. No. Is NV preceded by an Adj., which in turn is preceded by: Possessive

Pr., a word ending in "-s' " ("- 's") Genitive of the Noun - see for exception), AV, VAP, PAV, of, Article ?

707. Yes. RM: N. Go to 1.

708. No. Is NV preceded by an Adj., which in turn is preceded by "and", which in its turn is preceded by a Noun ?

709. Yes. RM: N. Go to 1.

710. No. Is NV preceded by an Adj. only and at the same time followed by VAP ?

711. Yes. RM: N. Go to 1.

712. No. Is NV preceded by: NA , Adj. only and at the same time followed by a word from List No 1 ?

713. Yes. RM: N. Go to 1.

714. No. Is NV preceded by PANV, which in turn is preceded by: NA, Adj., Article and at the same time followed by "to", which in turn, is followed by a Verb only ?

715. Yes. RM: V. Go to 1.

716. No. Is NV preceded by an Adj. only ?

717. Yes. RM: N. Go to 1.

718. No. Is NV preceded by PANV, which in turn is preceded by: NA, Adj., Article ?

719. Yes. RM: N. Go to 1.

720. No. Is NV preceded by PANV ?

721. Yes. RM: N. Go to 1.

722. No. Is NV preceded by a Noun only, which in turn is preceded by: Adj. only, NA, PAV, VAP, Noun only ?

723. Yes. RM: N. Go to 1.

724. No. Is NV preceded by a Noun only, which in turn is preceded by a Noun only, and at the same time followed by a word from List No 1 ?

725. Yes. RM: V. Go to 1.
726. No. Is NV preceded by a Noun only, which in turn is preceded by: VAP, PAV and at the same time followed by a word from List No 1 ?
727. Yes. RM: V. Go to 1.
728. No. Is NV preceded by AV, which in turn is preceded by an Adverb ?
729. Yes. RM: N. Go to 1.
730. No. Is NV preceded by AV and at the same time followed by a word from List No 1 ?
731. Yes. RM: N. Go to 1.
732. No. Is NV preceded by ANV and at the same time followed by a word from List No 1 ?
733. Yes. RM: N. Go to 1.
734. No. Is NV preceded by a Verb only, which in turn is preceded by: to ?
735. Yes. RM: N. Go to 1.
736. No. Is NV preceded by an Adverb and at the same time followed by: Article, to, this, that, those, these,...., ?
737. Yes. RM: N. Go to 1.
738. No. Is NV preceded by VAP, which in turn is preceded by: Article, in, into,...., ?
739. Yes. RM: N. Go to 1.
740. No. Is NV preceded by PAV, which in turn is preceded by: of, Article,...., ?
741. Yes. RM: N. Go to 1.
742. No. Is NV preceded by VAP, which in turn is preceded by: by,...., ?
743. Yes. RM: N. Go to 1.
744. No. Is NV preceded by a full stop and at the same time followed by a name (personal name preceded sometimes by its title: Mr., Mrs, Miss, Dr., etc.) ?
745. Yes. RM: V. (Imperative mood). Go to 1.
746. No. Is NV preceded by a word from List No 1 and at the same time

followed by VAP ?

747. Yes. RM: N. Go to 1.

748. No. Is NV preceded by "and", which in turn is preceded by a Noun ?

749. Yes. RM: N. Go to 1.

750. No. Is NV preceded by an Adverb, which in turn is preceded by: are(n't), is(n't), was(n't), were(n't) ?

751. Yes. RM: N. Go to 1.

752. No. Is NV preceded by an Adverb, which in turn is preceded by a Possessive Pr. ?

753. Yes. RM: N. Go to 1.

754. Is NV followed by "to", which in turn is followed by: Article, Possessive Pr. ?

755. Yes. RM: V. Go to 1.

756. No. Is NV followed by: Article, that ?

757. Yes. RM: V. Go to 1.

758. No. Is NV preceded by: give, make, take, set in,.... ?

759. Yes. RM: N. Go to 1.

760. No. Is NV preceded by "have", which in turn is preceded by a word from List No 7 ?

761. Yes. RM: N. Go to 1.

762. No. Is NV preceded by a word from List No 1 and at the same time followed by a Verb only ?

763. Yes. RM: N. Go to 1.

764. No. Is NV preceded by a word from List No 1 and at the same time followed by: is(n't), are(n't), was(n't), were(n't) ?

765. Yes. RM: N. Go to 1.

766. No. Is NV preceded by: be, is(n't), are(n't), was(n't), were(n't) ?

767. Yes. RM: N. Go to 1.



768. No. Is NV preceded by NA, which in turn is preceded by an Adj. and at the same time followed by an Adverb ?
769. Yes. RM: V. Go to 1.
770. No. Is NV preceded by a comma and at the same time followed by a personal name ?
771. Yes. RM: V. Go to 1.
772. No. Is NV preceded by a word from List No 1 and at the same time followed by a name ?
773. Yes. RM: N. Go to 1.
774. No. Is NV preceded by a word from List No 1 and at the same time followed by: in, of,..., ?
775. Yes. RM: N. Go to 1.
776. No. Is NV preceded by a Verb only and at the same time followed by a word from List No 1 ?
777. Yes. RM: N. Go to 1.
778. No. Is NV preceded by a Noun only, which in turn is preceded by: VAP, PAV and at the same time followed by a word from List No 1 ?
779. Yes. RM: V. Go to 1.
780. No. Is NV preceded by a Noun and at the same time followed by a word from List No 1 ?
781. Yes. RM: N. Go to 1.
782. No. Is NV preceded by "and", which in turn is preceded by a Verb ?
783. Yes. RM: V. Go to 1.
784. No. Is NV preceded by VAP, which in turn is preceded by an Article ?
785. Yes. RM: N. Go to 1.
786. No. Is NV preceded by: mostly ?
787. Yes. RM: N. Go to 1.
788. No. Is NV preceded by a comma and, going up to 3 words back (to the

left), is it preceded by another comma, which in its turn is preceded by an Adj. ?

789. Yes. RM: N. Go to 1.

790. No. Is NV preceded by a word from List No 1 and at the same time is followed by an Adj. only, which, in turn, is followed by: a Noun only, NA, ANV, AV ?

791. Yes. RM: V. Go to 1.

792. No. Is NV preceded by VAP, which in turn is preceded by an Adj. ?

793. Yes. RM: N. Go to 1.

794. No. Is NV preceded by a word from List No 1 and at the same time followed by a word from List No 1 ?

795. Yes. RM: N. Go to 1.

796. No. Is NV preceded by a comma, which in turn is preceded by a Noun ?

797. Yes. RM: N. Go to 1.

798. No. Is NV preceded by: who ?

799. Yes. RM: V. Go to 1.

800. No. Is NV preceded by an Adverb, which in turn is preceded by an Article and at the same time followed by: comma, full stop ?

801. Yes. RM: N. Go to 1.

802. No. Is NV followed by: Noun only, NA, ANV, Adj. only ?

803. Yes. RM: N. Go to 1.

804. No. Is NV preceded by "also", which in turn is preceded by: but ?

805. Yes. Is "but", in turn, preceded by a Noun ?

805a. Yes. RM: N. Go to 1.

805b. No. Is "but" preceded, in turn, by a Verb ?

805c. Yes. RM: V. Go to 1.

805d. No. RM: N. Go to 1.

806. No. Is NV preceded by a comma and at the same time followed by: a name, d (a noun designating a person), which, in turn, is followed by a comma ?

807. Yes. RM: V. Go to 1.
808. No. RM: unrecognised, ask the user for help. Go to 1.
- 880-1124 (for: ANV)
880. Is ANV preceded by a word from List No 8 and at the same time followed by a word from List No 1 ?
881. Yes. RM: N. Go to 1.
882. No. Is ANV preceded by a word from List No 8 and at the same time followed by: Noun only, Adj. only, ANV, NA, NV ?
883. Yes. RM: Adj. Go to 1.
884. No. Is ANV followed by a word from List No 1 and at the same time preceded by an Adj. ?
885. Yes. RM: Noun. Go to 1.
886. No. Is ANV followed by: Article, of,...., which, in turn, is followed by: while, during,...., ?
887. Yes. RM: V. Go to 1.
888. No. Is ANV followed by: Article, Possessive Pr., Reflexive Pr.,...., of,...., ?
889. Yes. RM: V. Go to 1.
890. No. Is ANV followed by: in, out, on, up, into, ..., and at the same time preceded by: and ?
891. Yes. Is "and", in turn, preceded by a Verb ?
- 891a. Yes. RM: V. Go to 1.
- 891b. No. Is "and", in turn, preceded by a Noun ?
- 891c. Yes. RM: N. Go to 1.
- 891d. No. Go to 892.
892. No. Is ANV preceded by "that", which in turn is preceded by a Noun, which in its turn is preceded by an Adj. ?
893. Yes. RM: V. Go to 1.

894. No. Is ANV preceded by a geographical name (r) ?
895. Yes. RM: N. Go to 1.
896. No. Is ANV preceded by: NA, ANV, which in turn is preceded by: Article, this, that, these, those, and at the same time followed by a Punctuation Mark ?
897. Yes. RM: N. Go to 1.
898. No. Is ANV preceded by a Noun only, which in turn is preceded by an Adj., which in its own turn is preceded by an Article ?
899. Yes. RM: V. Go to 1.
900. No. Is ANV preceded by "and", which in turn is preceded by: an Adj., ANV, NA, Noun only, NV, ANV, Adj. only ?
901. Yes. RM: Adj. Go to 1.
902. No. Is ANV followed by "and", which in turn is followed by ANV, which in its own turn is followed by a Noun only ?
903. Yes. RM: Adj. Go to 1.
904. No. Is ANV preceded by: Adj. only, NA, ANV, AV, which in turn is preceded by an Article and at the same time followed by: Verb only, NV, ANV, which in its own turn is followed by: to, at, Article,...., ?
905. Yes. RM: V. Go to 1.
906. No. Is ANV preceded by an Adj., which in turn is preceded by: PAV, VAP and at the same time followed by a word from List No 1 ?
907. Yes. RM: N. Go to 1.
908. No. Is ANV preceded by: Adj. only, NA, ANV, AV, which in turn is preceded by an Article and at the same time followed by: NV, NA, Noun only, ANV ?
909. Yes. RM: Adj. Go to 1.
910. No. Is ANV followed by: NA, Noun only ?
911. Yes. RM: Adj. Go to 1.
912. No. Is ANV preceded by an Adverb and at the same time followed by NV

?

913. Yes. RM: Adj. Go to 1.

914. No. Is ANV preceded by: VAP, PANV, PAV, which in turn is preceded by an Article and at the same time followed by a word from List No 1 ?

4915. Yes. RM: N. Go to 1.

916. No. Is ANV preceded by PANV and at the same time followed by a word from List No 1 ?

917. Yes. RM: N. Go to 1.

918. No. Is ANV preceded by PPOC, which in turn is preceded by: make, made,..., ?

919. Yes. RM: V. Go to 1.

920. No. Is ANV followed by: Noun only, NA ?

921. Yes. RM: Adj. Go to 1.

922. No. Is ANV preceded by "and", which in turn is preceded by a Noun ?

923. Yes. RM: N. Go to 1.

924. No. Is ANV preceded by a Noun only, which in turn is preceded by: NA, AV, ANV, PAV, VAP, PANV and at the same time followed by: Adj. only, which in turn is followed by a Noun only ?

925. Yes. RM: V. Go to 1.

926. No. Is ANV preceded by a Noun only, which in turn is preceded by: an Adj. only, NA, AV, ANV, PAV, VAP, PANV ?

927. Yes. RM: V. Go to 1.

928. No. Is ANV preceded by "and", which, in turn, is preceded, up to 3 words to the left, by a Verb ?

929. Yes. RM: V. Go to 1.

930. No. Is ANV preceded by VAP, which in turn is preceded by: Article, of,..., and at the same time followed by a word from List No 1 ?

931. Yes. RM: N. Go to 1.
932. No. Is ANV preceded by VAP and at the same time followed by a word from List No 1 ?
933. Yes. RM: N. Go to 1.
934. No. Is ANV preceded by a Possessive Pr. and at the same time followed by a word from List No 1 ?
935. Yes. RM: N. Go to 1.
936. No. Is ANV preceded by: ANV, NA, AV and at the same time followed by a word from List No 1 ?
937. Yes. Go to 945.
938. No. Is ANV followed by ANV, which in turn is followed by a word from List No 1 ?
939. Yes. RM: Adj. Go to 1.
940. No. Is ANV preceded by: ANV, Adj., NA, AV, and at the same time followed by: NA, Adj. only, Noun only ?
941. Yes. RM: Adj. Go to 1.
942. No. Is ANV preceded by a Verb and at the same time followed by a word from List No 1 ?
943. Yes. RM: N. Go to 1.
944. No. Is ANV preceded by a Noun and at the same time followed by a word from List No 1 ?
945. Yes. Does ANV end in "-s" ?
- 945a. Yes. RM: V. Go to 1 .
- 945b. No. RM: N. Go to 1.
946. No. Is ANV preceded by: AV, Adj. only, NA, ANV, which in turn is preceded by a Possessive Pr. and at the same time followed by a word from List No 1 ?
947. Yes. RM: N. Go to 1.

948. No. Is ANV preceded by Numeral Ordinal and at the same time followed by a word from List No 1 ?
949. Yes. RM: N. Go to 1.
950. No. Is ANV preceded by: PAV, VAP and at the same time followed by a word from List No 1 ?
951. Yes. RM: N. Go to 1.
952. No. Is ANV preceded by an Adj. only, which in turn is preceded by an Adj. only and at the same time followed by: NV, ANV, Verb only, which in its turn is followed by a Preposition ?
953. Yes. RM: N. Go to 1.
954. No. Is ANV preceded by: is(n't), are(n't), was(n't), were(n't), that,..., and at the same time followed by a word from List No 1 ?
955. Yes. RM: N. Go to 1.
956. No. Is ANV preceded by a word ending in "-s" (-s' ") (Genitive of the Noun - see for exceptions) and at the same time followed by: Noun only, NA, Adj. only, ANV ?
957. Yes. RM: Adj. Go to 1.
958. No. Is ANV preceded by comma, which in turn is preceded by ANV, which in its turn is preceded by : PAV, VAP, while at the same time ANV is being followed by a comma ?
959. Yes. RM: N. Go to 1.
960. No. Is ANV preceded by a comma and at the same time followed by: from,..., ?
961. Yes. RM: N. Go to 1.
962. No. Is ANV followed by VNP ?
963. Yes. RM: Adj. Go to 1.
964. No. Is ANV preceded by a full stop and at the same time followed by a word from List No 1 ?

965. Yes. RM: N. Go to 1.
966. No. Is ANV preceded by: VAP, PAV and at the same time followed by a word from List No 1 ?
967. Yes. RM: N. Go to 1.
968. No. Is ANV preceded by "having", which in turn is preceded by: be, is(n't), are(n't), was(n't), were(n't),..., and at the same time followed by a word from List No 1 ?
969. Yes. RM: N. Go to 1.
970. No. Is ANV preceded by a Punct. Mark and at the same time followed by: of, ..., ?
971. Yes. RM: N. Go to 1.
972. No. Is ANV followed by: be, is(n't), are(n't), was(n't), were(n't), which, in turn, is followed by VAP ?
973. Yes. RM: N. Go to 1.
974. No. Is ANV preceded by "much",..., which in turn is preceded by: be, is(n't), are(n't), was(n't), were(n't), that, ..., ?
975. Yes. RM: N. Go to 1.
976. No. Is ANV preceded by an Adj. only and at the same time followed by NV, which in turn is followed by: NA, Noun only ?
977. Yes. RM: Adj. Go to 1.
978. No. Is ANV preceded by an Adj. only and at the same time followed by: Noun only, NA, NV, ANV ?
979. Yes. RM: Adj. Go to 1.
980. No. Is ANV preceded by AV, which in turn is preceded by an Adj. only and at the same time followed by: NA, Noun only ?
981. Yes. RM: Adj. Go to 1.
982. No. Is ANV preceded by a Noun only and at the same time followed by a



word from List No 1 ?

983. Yes. RM: N. Go to 1.

984. No. Is ANV followed by PANV, which in turn is followed by a word from List No 1 ?

985. Yes. RM: Adj. Go to 1.

986. No. Is ANV preceded by: AV, Adj. only and at the same time followed by a Noun only ?

987. Yes. RM: Adj. Go to 1.

988. No. Is ANV preceded by: an Adj. only, ANV and at the same time followed by a word from List No 1 ?

989. Yes. RM: N. Go to 1.

990. No. Is ANV followed by "and", which in turn is followed by a Noun only ?

991. Yes. RM: N. Go to 1.

992. No. Is ANV preceded by NA, which in turn is preceded by NA and at the same time followed by a word from List No 1 ?

993. Yes. RM: N. Go to 1.

994. No. Is ANV preceded by AV and at the same time followed by a Noun only ?

995. Yes. RM: Adj. Go to 1.

996. No. Is ANV preceded by ANV and at the same time followed by: NA, Noun only ?

997. Yes. RM: Adj. Go to 1.

998. No. Is ANV followed by ANV, which in turn is followed by: NA, Noun only ?

999. Yes. RM: Adj. Go to 1.

1000. No. Is ANV preceded by a word from List No 7, or by: do(es) don't, did(n't) ?

1001. Yes. RM: V. Go to 1.

1002. No. Is ANV preceded by a Noun and at the same time followed by: them,..., ?
1003. Yes. RM: V. Go to 1.
1004. No. Is ANV followed by: them ?
1005. Yes. RM: V. Go to 1.
1006. No. Is ANV preceded by: to ?
1007. Yes. RM: V. (Infinitive). Go to 1.
1008. No. Is ANV preceded by an Adverb, which in turn is preceded by: "so", or by a word from List No 7 ?
1009. Yes. RM: V. Go to 1.
1010. No. Is ANV preceded by: an Adverb, something, anything,..., which in turn is preceded by: has(n't), had(n't), have(n't) ?
1011. Yes. RM: V. Go to 1.
1012. No. Is ANV preceded by NA, which in turn is preceded by: "of", and at the same time followed by a Punct. Mark ?
1013. Yes. RM: V. Go to 1.
1014. No. Is ANV preceded by NA and at the same time followed by: Noun only, NA ?
1015. Yes. RM: Adj. Go to 1.
1016. No. Is ANV preceded by "and", which in turn is preceded by a Noun ?
1017. Yes. RM: N. Go to 1.
1018. No. Is ANV preceded by AV, which in turn is preceded by: Adj. only, NA, and at the same time followed by: Noun only, NA ?
1019. Yes. RM: Adj. Go to 1.
1020. No. Is ANV followed by NV, which in turn is followed by NV, which in its turn is followed by: this, that, those, these, Article ?
1021. Yes. RM: N. Go to 1.
1022. No. Is ANV preceded by comma and at the same time followed by a

Personal name ?

1023. Yes. RM: V. Go to 1.

1024. No. Is ANV preceded by comma, which in turn is preceded by Adj. ?

1025. Yes. RM: Adj. Go to 1.

1026. No. Is ANV preceded by comma, which in turn is preceded by a Noun ?

1027. Yes. RM: N. Go to 1.

1028. No. Is ANV preceded by "and", which in turn is preceded (comma ignored, if there is one) by a Verb ?

1029. Yes. RM: V. Go to 1.

1030. No. Is ANV preceded by: it ?

1031. Yes. Does ANV end in "-s" ?

1031a. Yes. RM: V. Go to 1.

1031b. No. RM: N. Go to 1.

1032. No. Is ANV preceded by PPNC ?

1033. Yes. RM: V. Go to 1.

1034. No. Is ANV preceded by: NV, ANV, Noun only, which in turn is preceded by : an Adj. only, Adj., NA, ANV and at the same time followed by a Preposition ?

1035. Yes. RM: V. Go to 1.

1036. No. RM: unrecognised, ask the user for help. Go to 1.

1131-1307 (for: VAP).

1131. Is VAP preceded by: a word from List No 8, Indic. Pronoun, somewhat, everything, most, less, least, same,..., and at the same time followed by: Noun only, Adj. only, NA, ANV, NV, PANV ?

1132. Yes. RM: Adj. Go to 1.

1133. No. Is VAP preceded by: Adverb, there, here, everywhere, nowhere, elsewhere, always, again,..., and at the same time followed by "to", which in turn is followed by: Verb only, NV, ANV, AV, Noun only ?

1134. Yes. RM: V. Go to 1.
1135. No. Is VAP preceded by: Noun only, NV, NA, ANV, which in turn is preceded by an Article, which in its turn is preceded by a full stop ?
1136. Yes. RM: V. Go to 1.
1137. No. Is VAP preceded by: a Noun only, NV, NA, ANV, which in turn is preceded by: an Article, Possessive Pr., and at the same time followed by: Preposition, Adverb, AA, Article, to, Possessive Pr., Indefinite Pronoun ?
1138. Yes. Is the second word to the right of VAP a Verb only ?
- 1138a. Yes. RM: Participle 1-st. Go to 1.
- 1138b. No. RM: V. Go to 1.
1139. No. Is VAP preceded by "which" and at the same time followed by VAP, which in turn is followed by: on,...., ?
1140. Yes. RM: V. Go to 1.
1141. No. Is VAP preceded by a Noun, which in turn is preceded by an Article, and the Article in its turn is preceded by a Verb , and, is, at the same time, VAP followed by: Preposition, to,...., ?
1142. Yes. RM: Participle 1-st. Go to 1.
1143. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by: a word from List No 8, if, Adverb, although, nevertheless, Indicat. Pronoun, lest, more, most, less, least, any, no, ..., and at the same time followed by a word from List No 1 ?
1144. Yes. RM: Participle 2-nd (as a Verb in Compound Tense). Go to 1.
1145. No. Is VAP preceded by: a word from List No 8, most, less, least, nothing, something, somewhat, no, many, much, as,...., and at the same time followed by a word from List No 1 ?
1146. Yes. RM: Participle 1-st. Go to 1.
1147. No. Is VAP preceded by VAP, which in turn is preceded by: which, as long as,...., and at the same time followed by a word from List No 1 ?

1148. Yes. RM: Participle 1-st. Go to 1.
1149. No. Is VAP preceded by VAP, which in turn is preceded by: which,..., ?
1150. Yes. RM: Participle 1-st. Go to 1.
1151. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by a Numeral, which in its turn is preceded by: Article, Preposition and at the same time followed by an Adverb ?
1152. Yes. RM: Participle 1-st. Go to 1.
1153. No. Is VAP preceded by a compound word (a word separated with a dash) and at the same time followed by: NV, Noun only, ANV ?
1154. Yes. RM: Adj. Go to 1.
1155. No. Is VAP preceded by a comma and at the same time followed by: by, to, with,..., ?
1156. Yes. RM: Participle 1-st. Go to 1.
1157. No. Is VAP preceded by "being", which in turn is preceded by: Noun, Adverb ?
1158. Yes. RM: Participle (in Passive Voice). Go to 1.
1159. No. Is VAP preceded by a Verb (Auxil. excluded) and at the same time followed by: Noun only, NA, NV, ANV ?
1160. Yes. RM: Adj. Go to 1.
1161. No. Is VAP preceded by: full stop, whose,..., ?
1162. Yes. RM: Participle 1-st. Go to 1.
1163. No. Is VAP preceded by an Adverb, which in turn is preceded by: Article, but, of, thus, on, onto, in, into, again, so, comma, full stop,..., ?
1164. Yes. RM: Participle 1-st. Go to 1.
1165. No. Is VAP preceded by: first, Adverb,..., which in turn is preceded by: had(n't), has(n't), have(n't), not, was(n't), is(n't), are(n't), am, were(n't), be, been, being,..., ?
1166. Yes. RM: Verb (in Compound Tense). Go to 1.

1167. No. Is VAP preceded by: a word from List No 8 ?
1168. Yes. RM: Adj. Go to 1.
1169. No. Is VAP preceded by an Adj. and at the same time followed by: ANV, NA, Adj. only, NV, Noun only ?
1170. Yes. RM: Adj. Go to 1.
1171. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by "of", and at the same time followed by: to, Preposition ?
1172. Yes. RM: Participle 1-st. Go to 1.
1173. No. Is VAP preceded by: Noun only, NV, NA, ANV, which in turn is preceded by: that, those, this, these, Article, Possessive Pr., which in its turn is preceded by a full stop and at the same time is followed by a word from List No 1 ?
1174. Yes. RM: V. Go to 1.
1175. No. Is VAP preceded by "against" and at the same time followed by NA ?
1176. Yes. RM: Participle 1-st. Go to 1.
1177. No. Is VAP preceded by a comma, which in turn is preceded by a Verb ?
1178. Yes. RM: Participle 1-st. Go to 1.
1179. No. Is VAP preceded by: Punct. Mark, Numeral, and at the same time followed by: round, around, with, without, from, above, under, beyond, far, far from, near, close to, beside, to, ..., which in turn is followed by: PPOC, Verb only, NV, ANV, AV ?
1180. Yes. RM: V. Go to 1.
1181. No. Is VAP preceded by Punct. Mark, Numeral, and at the same time followed by: for, about, ..., which in turn is followed by: Noun only, NA, NV, ANV ?
1182. Yes. RM: V. Go to 1.
1183. No. Is VAP preceded by: Punct. Mark, Numeral, and at the same time followed by: between, in, for, whether, about, in, into, to, with, by, on, onto,

Adverb,...., ?

1184. Yes. RM: Participle 1-st. Go to 1.

1185. No. Is VAP preceded by: everything, rather, nothing, as, still,...., ?

1186. Yes. RM: Participle 1-st Go to 1.

1187. No. Is VAP preceded by: Noun only, NV, NA, ANV, which in turn is preceded by: that, this, those, these, Article, and at the same time followed by a comma ?

1188. Yes. RM: Participle 1-st. Go to 1.

1189. No. Is VAP preceded by: Noun only, NV, NA, ANV, which in turn is preceded by: that, this, those, this, Article, Possessive Pr. ?

1190. Yes. RM: Verb. Go to 1.

1191. No. Is VAP preceded by: been, has(n't), have(n't), had(n't), be, is(n't), was(n't) are(n't), were(n't), am, not, being,...., ?

1192. Yes. RM: Participle 2-nd (as Verb in a Compound Tense). Go to 1.

1193. No. Is VAP preceded by: Adverb, not, indeed,...., which in turn is preceded by: been, has(n't), have(n't), had(n't), be, is(n't), are(n't), was(n't), were(n't), am, being, not,...., ?

1194. Yes. RM: Participle 2-nd (as a Verb in a Comp. Tense). Go to 1.

1195. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by: Adj. only, NA, ANV, which in its turn is preceded by: Possessive Pr., Article,...., which then in its turn is preceded by: comma, full stop, and at the same time followed by: comma, full stop ?

1196. Yes. RM: Participle 1-st. Go to 1.

1197. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by: Adj. only, NA, ANV,...., which in its turn is preceded by: Possessive Pr., Article,...., and at the same time followed by: out, in, up, over, on, away, down, into, off,...., which then is followed, in its turn, by: comma, full

stop ?

1198. Yes. RM: Participle 1-st. Go to 1.

1199. No. Is VAP preceded by: who, which, both, others,...., ?

1200. Yes. RM: V. Go to 1.

1201. No. Is VAP preceded by: Noun, NV, NA, ANV, Noun only, which in turn is preceded by: Article, Possessive Pr., many, a lot of, much, few, a few, a number of,...., and at the same time followed by "to", which in its turn is followed by: Verb only, NV, ANV ?

1202. Yes. RM: V. Go to 1.

1203. No. Is VAP preceded by: a name, PPNC, and at the same time followed by: Adverb, Article, to,...., ?

1204. Yes. RM: V. Go to 1.

1205. No. Is VAP preceded by an Adverb, which in turn is preceded by a Noun, which in its turn is preceded by an Adj. ?

1206. Yes. RM: Participle 1-st. Go to 1.

1207. No. Is VAP preceded by: Numeral, second,...., which in turn is preceded by an Article, and at the same time followed by: Noun only, NA, NV, ANV ?

1208. Yes. RM: Participle 1-st. Go to 1.

1209. No. Is VAP preceded by an Adverb, which in turn is preceded by: a name, PPNC, who,...., ?

1210. Yes. RM: V. Go to 1.

1211. No. Is VAP preceded by: if, then, when, although, though,...., and at the same time followed by: by ?

1212. Yes. RM: Participle 1-st. Go to 1.

1213. No. Is VAP preceded by: a name, PPNC, who,...., ?

1214. Yes. RM: V. Go to 1.

1215. No. Is VAP followed by: by ?



1216. Yes. RM: Participle 1-st. Go to 1.
1217. No. Is VAP preceded by an Adverb, which in turn is preceded by: a Verb, VAP, and at the same time followed by a word from List No 1 ?
1218. Yes. RM: Participle 1-st. Go to 1.
1219. No. Is VAP preceded by: that, the, which, if, Adverb,..., and at the same time followed by: Possessive Pr., Article, this, that, these, those, at, in, into, of, along, PPOC, for, from, about, when, out, on, onto,..., ?
1220. Yes. RM: V. Go to 1.
1221. No. Is VAP preceded by an Adverb, which in turn is preceded by: an Adverb, Article, Possessive. Pr. ?
1222. Yes. RM: Participle 1-st. Go to 1.
1223. No. Is VAP preceded by: Adverb, that, if, which,..., ?
1224. Yes. RM: V. Go to 1.
1225. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by: Adj. only, Adjective, NA, ANV, and at the same time followed by: at least, Preposition, Article, Adverb, which in its turn is followed by: Noun only, PANV, NV, ANV, NA Adj. only, VAP ?
1226. Yes. RM: V. Go to 1.
1227. No. Is VAP preceded by a Noun, which in turn is preceded by a Preposition and at the same time followed by "to", which in its turn is followed by Possessive Pr. ?
1228. Yes. RM: Participle 1-st. Go to 1.
1229. No. Is VAP preceded by a Noun and at the same time followed by NV ?
1230. Yes. RM: V. Go to 1.
1231. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by: Adj. only, NA, ANV, Adj., which in its turn is preceded by an Article and then is this Article preceded by: as ?

1232. Yes. RM: V. Go to 1.
1233. No. Is VAP preceded by NV, which in turn is preceded by an Adj. and at the same time followed by an Adj. only, which in its turn is followed by: Noun only, NA ?
1234. Yes. RM: V. Go to 1.
1235. No. Is VAP preceded by: Noun only, NA, NV, ANV, which in turn is preceded by a Possessive Pr. ?
1236. Yes. Does VAP begin with the prefix: un-, im-, ir-, il- ,..., ?
- 1236a. Yes. RM: Participle 1-st. Go to 1.
- 1236b. No. RM: V. Go to 1.
1237. No. Is VAP preceded by: Noun only, NA, ANV, NV, which in turn is preceded by a Numeral ?
1238. Yes. RM: V. Go to 1.
1239. No. Is VAP preceded by an Adverb, which in turn is preceded by a Verb ?
1240. Yes. RM: V. Go to 1.
1241. No. Is VAP preceded by an Adverb ?
1242. Yes. RM: V. Go to 1.
1243. No. Is VAP preceded by: Noun only, Noun, NA, NV, ANV, which in turn is preceded by: Adj., NA, ANV, PAV, PANV, VAP, full stop, and at the same time followed by: Adverb (incl. compound Adverbs: in front of, etc.), PPOC, Reflexive Pronoun, Possessive Pr., to, Article, and, through, between,...., ?
1244. Yes. RM: V. Go to 1.
1245. No. Is VAP preceded by a Noun, which in turn is preceded by: Adj., Possessive Pr., and at the same time followed by: from, by, with, without, of, between, on, onto, in, into, no, to, full stop, comma,...., ?
1246. Yes. RM: Participle 1-st. Go to 1.
1247. No. Is VAP preceded by "and", which in turn is preceded by an Adj. only ?

1248. Yes. RM: Participle 1-st. Go to 1.
1249. No. Is VAP preceded by NV , which in turn is preceded by an Adj. and at the same time followed by a Noun only ?
1250. Yes. RM: V. Go to 1.
1251. No. Is VAP preceded by: PAV, PANV, VAP, Verb (Auxil. excluded) and at the same time followed by a word from List No 1 ?
1252. Yes. RM: Participle 1-st. Go to 1.
1253. No. Is VAP preceded by: a Noun (only), NA, NV, ANV, which in turn is preceded by a comma and at the same time followed by "as", which in turn is followed by an Article ?
1254. Yes. RM: Participle 1-st. Go to 1.
1255. No. Is VAP preceded by: comma, full stop and at the same time followed by: but, after, ..., ?
1256. Yes. RM: Participle 1-st. Go to 1.
1257. No. Is VAP followed by: Adverb, name (personal, geographical), as, around, Article, through, along, to, Possessive Pr., Reflexive Pr., PPOC, toward(s), out, with, without, down, beside, up, in, into, altogether, along, no, on, by, from, against, such, that, of, outside, inside, within, at, back, that, Preposition , ..., ?
1258. Yes. RM: V. Go to 1.
1259. No. Is VAP followed by: ANV, NV, NA, Noun only ?
1260. Yes. RM: Adj. Go to 1.
1261. No. Is VAP followed by an Adj. only, which in turn is followed by: Noun only, NA ?
1262. Yes. RM: Adject. Go to 1.
1263. No. Is VAP preceded by: most, more, ..., which in turn is preceded by: what ?
1264. Yes. RM: V. Go to 1.

1265. No. Is VAP preceded by "and", and at the same time followed by: NV, PANV, NA, ANV, Noun only ?
1266. Yes. RM: Adj. Go to 1.
1267. No. Is VAP preceded by a comma and at the same time followed by: off, up, on, in,...., ?
1268. Yes. RM: V. Go to 1.
1269. No. Is VAP preceded by: "and", "or", which in turn is preceded by: VAP (determined as a Verb by the analysis !), Verb ?
1270. Yes. RM: V. Go to 1.
1271. No. Is VAP preceded by: PANV, PAV ?
1272. Yes. RM: Participle 1-st. Go to 1.
1273. No. Is VAP preceded by: and, or,...., which in turn is preceded by VAP (determined by the analysis as Participle 1-st !) ?
1274. Yes. RM: Participle 1-st. Go to 1.
1275. No. Is VAP followed by: comma, full stop and at the same time preceded by : and ?
1276. Yes. Is "and" preceded (not immediately, up to 3 words back) by VAP (determined as Verb !) ?
- 1276a. Yes. RM: V. Go to 1.
- 1276b. No. Participle 1-st. Go to 1.
1277. No. Is VAP followed by: Noun only, NA, NV, ANV ?
1278. Yes. RM: Adj. Go to 1.
1279. No. Is VAP preceded by a word from List No 1 and at the same time followed by a word from List No 1 ?
1280. Yes. RM: Participle 1-st. Go to 1.
1281. No. Is VAP preceded by a comma, which in turn is preceded by an Adj. and at the same time followed by a comma, which in turn is followed by an Adj. only ?

1282. Yes. RM: Adj. Go to 1.
1283. No. Is VAP followed by a Numeral ?
1284. Yes. RM: V. Go to 1.
1285. No. Is VAP preceded by a comma, which in turn is preceded by an Adj. ?
1286. Yes. RM: Adj. Go to 1.
1287. No. Is VAP preceded by a comma, which in turn is preceded by Participle 1-st ?
1288. Yes. RM: Participle 1-st. Go to 1.
1289. No. Is VAP preceded by a comma ?
1290. Yes. RM: Participle 1-st. Go to 1.
1291. No. Is VAP preceded by an Adj., which in turn is preceded by a Possessive Pr. and at the same time followed by a Noun only ?
1292. Yes. RM: Adj. Go to 1.
1293. No. Is VAP preceded by a full stop and at the same time followed by a comma ?
1294. Yes. RM: Participle 1-st. Go to 1.
1295. No. Is VAP followed by: Reflexive (Emphatic) Pronoun, a name ,..., ?
1296. Yes. RM: V. Go to 1.
1297. No. Is VAP preceded by "but", which in turn is preceded by a comma, and is the comma, in its turn, preceded by a Verb ?
1298. Yes. RM: V. Go to 1.
1299. No. Is VAP followed by: something, nothing, everything,...., ?
1300. Yes. RM: V. Go to 1.
1301. No. Is VAP preceded by a full stop and at the same time followed by a word from List No 1 ?
1302. Yes. RM: Participle 1-st. Go to 1.
1303. No. RM: unrecognised, ask the user for help. Go to 1.
- 1321-1487 (for: PANV).

1321. Is PANV preceded by: Article, Possessive Pr., and at the same time followed by a name ?
1322. Yes. RM: Gerund 1-st. Go to 1.
1323. No. Is it preceded by PPOC, which in turn is preceded by a Verb only, and at the same time followed by a word from List No 1 ?
1324. Yes. RM: Participle 4-th. Go to 1.
1325. No. Is it preceded by "of" and at the same time followed by: Noun only, NV, ANV ?
1326. Yes. RM: Gerund (as Noun). Go to 1.
1327. No. Is it preceded by "of", which in turn is preceded by: Verb, VAP, PANV, PAV ?
1328. Yes. RM: Gerund 2-nd. Go to 1.
1329. No. Is it preceded by a Preposition, which in turn is preceded by: a Verb, VAP, PANV, PAV and at the same time followed by a word from List No 1 ?
1330. Yes. RM: Gerund (Participle 4-th). Go to 1.
1331. No. Is it preceded by: a word from List No 8, nor, how, if, Indicative Pronoun, no, no use, what, neither, nor, each, more, most, against, about, by, to, for, PPOC, Reflexive Pr., and, while,..., and at the same time followed by: Noun only, NA, NV, ANV, AV ?
1332. Yes. RM: Adj. Go to 1.
1333. No. Is it preceded by: a word from List No 8, nor, no, no use, how, if, Indicative Pr., what, neither, nor, each, more, most, against, about, by, to, for, PPOC, Reflexive Pr., and, while, before, after, much,..., and at the same time followed by a word from List No 1 ?
1334. Yes. RM: Gerund 2-d. Go to 1.
1335. No. Is it preceded by : a name, a word ending in "-s"("-s'") (Genitive of the Noun - see for exceptions), and at the same time followed by: Noun only,

ANV (except ANV ending in "-s"), NA, NV (except those ending in "-s") ?

1336. Yes. RM: Gerund -1. Go to 1.

1337. No. Is it preceded by a Punct. Mark and at the same time followed by a Punct. Mark ?

1338. Yes. RM: Gerund -1. Go to 1.

1339. No. Is it preceded by "of" and at the same time followed by an Adj. only, which in turn is followed by NV ?

1340. Yes. RM: Gerund -2. Go to 1.

1341. No. Is it preceded by: Noun only, NV, ANV, which in turn is preceded by a Numeral and at the same time followed by a Noun only ?

1342. Yes. RM: Participle -3. Go to 1.

1343. No. Is it preceded by: Noun only, Adj. only, NA, ANV, which in turn is preceded by a word ending in "-s" ("-s'") (Genitive of the Noun - see for exceptions), and at the same time followed by: Noun only, Adj. only, ANV, NA, NV ?

1344. Yes. RM: Adj. Go to 1.

1345. No. Is it preceded by: full stop, inverted commas, and at the same time followed by an Auxil. Verb (negative form included) ?

1346. Yes. RM: Gerund -1. Go to 1.

1347. No. Is it preceded by: Adj. only, NA, NV, ANV, Noun only, a word ending in "-s", ("-s'") (Genitive of the Noun - see for exceptions), AV, and at the same time followed by: Adj. only, NA, NV, ANV ?

1348. Yes. RM: Adj. Go to 1.

1349. No. Is it preceded by an Adj., which in turn is preceded by an Adj. and at the same time followed by a word from List No 1 ?

1350. Yes. RM: N. Go to 1.

1351. No. Is it preceded by: PANV, PAV, which in turn is preceded by: in, into, while, Indic. Pr., before, after, while, each, against, Possessive Pr., as, from,

Article, on, at, by, to, for, much, of, more, most,..., and at the same time followed by: Noun only, NA ?

1352. Yes. RM: Adj. Go to 1.

1353. No. Is it preceded by an Adj. and at the same time followed by a word from List No 1 ?

1354. Yes. RM: N. Go to 1.

1355. No. Is PANV preceded by a Numeral (Ordinal, Cardinal) and at the same time followed by: Noun only, NV, NA, ANV ?

1356. Yes. RM: Adj. Go to 1.

1357. No. Is it preceded by a Verb (Auxil. excluded), which in turn is preceded by : to ?

1358. Yes. RM: N. Go to 1.

1359. No. Is it preceded by: Adj., NA, and at the same time followed by VAP ?

1360. Yes. RM: N. Go to 1.

1361. No. Is it preceded by: Adj. only, VAP, NA, ANV, and at the same time followed by a word from List No 1 ?

1362. Yes. RM: N. Go to 1.

1363. No. Is it preceded by a Verb (Auxil. V. excluded) and at the same time followed by: NV, Noun only, Adj. only, NA, ANV ?

1364. Yes. RM: Participle -3. Go to 1.

1365. No. Is it preceded by a Noun, which in turn is preceded by: NA, Adj, only, Article, Possessive Pr., and at the same time followed by a word from List No 1 ?

1366. Yes. RM: Participle -3. Go to 1.

1367. No. Is it preceded by "and", and at the same time followed by an Article ?

1368. Yes. Is "and" then preceded in turn (till a full stop to the left !) by: PAV, PANV, which in turn is preceded by: am, am not, is(n't), are(n't), was(n't), were(n't), be, been, not ?



- 1368a. Yes. RM: V. Go to 1.
- 1368b. No. RM: Participle -2-nd. Go to 1.
1369. No. Is it preceded by 'and', which in turn is preceded by a Noun ?
1370. Yes. RM: N. Go to 1.
1371. No. Is it preceded by VAP and at the same time followed by a word from List No 1 ?
1372. Yes. RM: Gerund - 2. Go to 1.
1373. No. Is it preceded by a Numeral, which in turn is preceded by an Adj., and at the same time followed by a word from List No 1 ?
1374. Yes. RM: N. Go to 1.
1375. No. Is it preceded by: a word from List No 7, is(n't), was(n't), are(n't), were(n't), do, does(n't), did(n't),..., which in turn is preceded by: full stop, Inverted commas ?
1376. Yes. RM: Gerund -1. Go to 1.
1377. No. Is it preceded by a Verb (Auxil. excluded), and at the same time followed by: Article, Punct. Mark ?
1378. Yes. RM: Participle -2. Go to 1.
1379. No. Is it preceded by a Verb and at the same time followed by a word from List No 1 ?
1380. Yes. RM: Gerund -2. Go to 1.
1381. No. Is it preceded by an Adverb and at the same time followed by an Adverb ?
1382. Yes. RM: Participle -3. Go to 1.
1383. No. Is it preceded by a Noun, which in turn is preceded by "that", and at the same time followed by a word from List No 1 ?
1384. Yes. RM: Participle -3. Go to 1.
1385. No. Is it preceded by "and", which in turn is preceded by an Adj. ?
1386. Yes. RM: Adj. Go to 1.

1387. No. Is it preceded by "and", which in turn is preceded by PANV (determined as Participle !)?
1388. Yes. RM: Participle. Go to 1.
1389. No. Is it preceded by: Noun only, Punct. Mark, and at the same time followed by a word from List No 1?
1390. Yes. RM: Participle -3-d. Go to 1.
1391. No. Is it preceded by an Abbrev. and at the same time followed by a word from List No 1?
1392. Yes. RM: N. Go to 1.
1393. No. Is it preceded by: Noun only, name, NA, NV, ANV, and at the same time followed by a word from List No 1?
1394. Yes. RM: Participle -3-d. Go to 1.
1395. No. Is it preceded by an Adverb, which in turn is preceded by "be", which in its turn is preceded by: that, this, it,..., ?
1396. Yes. RM: Participle(as Verb in a Tense). Go to 1.
1397. No. Is it preceded by "be", which in turn is preceded by: that, this, it,..., ?
1398. Yes. RM: Participle (as Verb in a Tense). Go to 1.
1399. No. Is it preceded by "be", which in turn is preceded by PPNC?
1400. Yes. RM: Participle (as Verb in a Tense). Go to 1.
1401. No. Is PANV preceded by "be" which in turn is preceded by a word from List No 7?
1402. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1403. No. Is it preceded by: this, that,..., and at the same time followed by: a word from List No 7 or by a Verb only?
1404. Yes. RM: Gerund-1. Go to 1.
1405. No. Is it preceded by: been?
1406. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1407. No. Is it preceded by: that, this, Article,..., which in turn is preceded by: a

Verb (Auxiliary included) ?

1408. Yes. RM: Gerund-1. Go to 1.

1409. No. Is it preceded by an Adverb, which in turn is preceded by: is(n't), are(n't), were(n't), was(n't), been, been not, not,...., ?

1410. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1411. No. Is it preceded by an Adverb, and at the same time followed by: a Noun only, NA, ANV, NV ?

1412. Yes. RM: Adjective. Go to 1.

1413. No. Is it preceded by: this, that, Article, and at the same time followed by: Verb only, VAP ?

1414. Yes. RM: Gerund-1. Go to 1.

1415. No. Is it preceded by: comma, full stop,...., and at the same time followed by: Noun only, NA, Verb only, VAP, to, NV, ANV, a word from List No 1 ?

1416. Yes. RM: Participle -3. Go to 1.

1417. No. Is it followed by: a Verb only, VAP, to,...., ?

1418. Yes. RM: Gerund -1. Go to 1.

1419. No. Is it preceded by: is(n't), are(n't), were(n't), was(n't), am, am not,...., which in turn is preceded by: PPNC, Noun, NV, ANV ?

1420. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1421. No. Is it preceded by: PAV, PANV,...., which in turn is preceded by: is(n't), are(n't), was(n't), were(n't) am, am not,...., which in turn is preceded by: PPNC ?

1422. Yes. RM: Gerund -1. Go to 1.

1423. No. Is it preceded by: is(n't), are(n't), was(n't). were(n't), am, am not,...., which in turn is preceded by: PPNC ?

1424. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1425. No. Is it preceded by: PANV, PAV, ..., which in turn is preceded by:

was(n't), were(n't), is(n't), are(n't). am, am not,...., which in turn is preceded by: a full stop, inverted commas ?

1426. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1427. No. Is it preceded by: do(n't), does(n't), did(n't), a word from List No 7 ?

1428. Yes. RM: Gerund -1. Go to 1.

1429. No. Is it followed by: do(n't), does(n't), did(n't), a word from List No 7 ?

1430. Yes. RM: Gerund -1. Go to 1.

1431. No. Is it preceded by: is, was,...., which in turn is preceded by: full stop, inverted commas ?

1432. Yes. RM: Gerund -2. Go to 1.

1433. No. Is it preceded by: is(n't), was(n't)...., and at the same time followed by: an Adj. only ?

1434. Yes. RM: Gerund -2. Go to 1.

1435. No. Is it preceded by: VAP, and at the same time followed by: beyond ?

1436. Yes. RM: Gerund -2. Go to 1.

1437. No. Is it followed by a word from List No 1 ?

1438. Yes. RM: Participle -2. Go to 1.

1439. No. Is it preceded by: is(n't), was(n't), were(n't)...., which in turn is preceded by "there", and at the same time followed by: Noun only, NA, NV, ANV ?

1440. Yes. RM: Adj. Go to 1.

1441. No. Is it preceded by: Verb, PPOC, Adverb ?

1442. Yes. RM: Participle -3. Go to 1.

1443. No. Is it followed by: an Adverb, only, like, most, more,....,?

1444. Yes. RM: Participle -3. Go to 1.

1445. No. Is it preceded by a comma ?

1446. Yes. Is it then followed by a Verb only (Auxil. excluded) ?

- 1446a. Yes. RM: Gerund -1. Go to 1.
- 1446b. No. RM: Participle -3. Go to 1.
1447. No. Is it preceded by a full stop ?
1448. Yes. Is it then followed by a Verb only (Auxil. excluded) ?
- 1448a. Yes. RM: Gerund -1. Go to 1.
- 1448b. No. RM: Participle -3. Go to 1.
1449. No. Is it followed by a name (personal, r) ?
1450. Yes. RM: Participle -2. Go to 1.
1451. No. Is it followed by: NV, Noun only, Adj. only, NA, ANV ?
1452. Yes. RM: Adj. Go to 1.
1453. No. Is it followed by a Verb only ?
1454. Yes. RM: Gerund -1. Go to 1.
1455. No. Is it followed by: full stop, comma ?
1456. Yes. RM: Gerund -1. Go to 1.
1457. No. Is it preceded by an Adverb, and at the same time followed by a word from List No 1 ?
1468. Yes. RM: Gerund -1. Go to 1.
1459. No. Is it followed by a word from List No 1 ?
1460. Yes. RM: Participle -4. Go to 1.
1461. No. Go through sub-routine 1501-1621, and if not determined there, then RM: unrecognised, ask the user for help. Go to 1.
- 1501-1621 (for: PAV).
1501. Is PAV preceded by: a full stop ?
1502. Yes. Is it then followed by: a Verb only (Auxil. excluded) ?
- 1502a. Yes. RM: Gerund -1. Go to 1.
- 1502b. No. RM: Participle -2. Go to 1.
1503. No. Is it preceded by: a comma ?

1504. Yes. Is it then followed by: a Verb only (Auxil. excluded) ?
- 1504a. Yes. RM: Gerund -1. Go to 1.
- 1504b. No. Participle -3. Go to 1.
1505. No. Is it preceded by: Article, that, this,...., and at the same time followed by: Noun only, NA, Adj. only, ANV, NV ?
1506. Yes. RM: Adj. Go to 1.
1507. No. Is it preceded by: Noun only, NA, ANV, NV, which in turn is preceded by: Adj., NA, PAV, PANV, Possessive Pr., Article, every, all, each,...
- ?
1508. Yes. RM: Gerund -1. Go to 1.
1509. No. Is it preceded by an Adj., and at the same time followed by: Noun only, ANV, NA, NV ?
1510. Yes. RM: Adj. Go to 1.
1511. No. Is it preceded by "of", which in turn is preceded by: a Verb (Auxil. excluded), VAP, PANV, PAV ?
1512. Yes. RM: Gerund -2. Go to 1.
1513. No. Is it preceded by an Adverb, and at the same time followed by: Noun only, NA, NV, ANV ?
1514. Yes. RM: Adj. Go to 1.
1515. No. Is it preceded by: Article, Possessive Pr.,...., and at the same time followed by: a name (personal, r) ?
1516. Yes. RM: Gerund -1. Go to 1.
1517. No. Is it preceded by an Article, and at the same time followed by: Noun only, NA, NV, ANV, Adj. only ?
1518. Yes. RM: Adj. Go to 1.
1519. No. Is it preceded by: a Noun, than,...., and at the same time followed by: Noun only, NV, ANV, NA, VAP ?
1520. Yes. RM: Gerund -1. Go to 1.

1521. No. Is it followed by: Noun only, NA, NV, ANV, Adj. only ?
1522. Yes. RM: Adj. Go to 1.
1523. No. Is it preceded by a Preposition, which in turn is preceded by: Verb (Auxil. excluded), VAP, PANV, PAV,...., and at the same time followed by a word from List No 1 ?
1524. Yes. RM: Participle - 4. Go to 1.
1525. No. Is it preceded by "and", and at the same time followed by: an Article ?
1526. Yes. Is it then preceded (till a full stop is reached to the left) by: PANV, PAV,...., which in turn is preceded by: am, am not, be, been, is(n't), are(n't), was(n't), were(n't), not,...., ?
- 1526a. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
- 1526b. No. Participle -3. Go to 1.
1527. No. Is it preceded by: very, more, much, little,...., and at the same time followed by: Adj. only, Noun only, NA, NV, ANV ?
1528. Yes. RM: Adj. Go to 1.
1529. No. Is it preceded by: less, more, most, thus, as if, if,...., ?
1530. Yes. RM: Gerund -1. Go to 1.
1531. No. Is it preceded by: a word from List No 9, Reflexive Pr., Possessive Pr., PPOC, Article,...., and at the same time followed by a word from List No 1 ?
1532. Yes. RM: Gerund -2. Go to 1.
1533. No. Is it preceded by: a word from List No 9, Reflexive Pr., Possessive Pr., PPOC, Article, Indicative Pr.,...., and at the same time followed by: Noun only, Adj. only, NV, NA, ANV ?
1534. Yes. RM: Gerund -1. Go to 1.
1535. No. Is PAV preceded by: Possessive Pr., Article, Demonstrative Pr., a name, Noun (name) ending in "-s"("-s'") Genitive of the Noun - see for

exceptions), and at the same time followed by: Adj. only, Noun only, NA, NV, ANV, (with the exception of NV, ANV which end in: "-s") ?

1536. Yes. RM: Gerund -1. Go to 1.

1537. No. Is it followed by: Article, at, that,...., ?

1538. Yes. RM: Participle -2. Go to 1.

1539. No. Is it preceded by an Adverb, which in turn is preceded by "be", which in its turn is preceded by: that, this, it,...., ?

1540. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1541. No. Is it preceded by "be", which in turn is preceded by: it, that, this,...., PPNC,...., ?

1542. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1543. No. Is it preceded by "be", which in turn is preceded by: a word from List No 7, do(n't), does(n't), did(n't),...., ?

1544. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1545. No. Is it followed by a Possessive Pr. ?

1546. Yes. RM: Gerund -1. Go to 1.

1547. No. Is it followed by PPOC ?

1548. Yes. RM: Gerund -1. Go to 1.

1549. No. Is it preceded by: this, that,...., and at the same time followed by: do(n't), does(n't), did(n't), a word from List No 7, a Verb ?

1550. Yes. RM: Gerund -1. Go to 1.

1551. No. Is it preceded by: been ?

1552. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1553. No. Is it preceded by: this, that,...., which in turn is preceded by: do(n't), does(n't), did(n't), a word from List No 7 ?

1554. Yes. RM: Participle, as a Verb in a Tense. Go to 1.

1555. No. Is it preceded by an Article, which in turn is preceded by: do(n't), does(n't), did(n't), a word from List No 7 ?



1556. Yes. RM: Gerund -1. Go to 1.
1557. No. Is it preceded by an Adverb, which in turn is preceded by: be, is(n't), was(n't), are(n't), were(n't), am, am not, been, comma,...., ?
1558. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1559. No. Is it preceded by: NV, ANV, Adj. only, Abbrev., Noun only,...., and at the same time followed by a word from List No 1 ?
1560. Yes. RM: Gerund -1. Go to 1.
1561. No. Is it preceded by: an Article ?
1562. Yes. RM: Gerund -1. Go to 1.
1563. No. Is it followed by: Verb only, VAP, to,...., ?
1564. Yes. RM: Gerund -1. Go to 1.
1565. No. Is it preceded by: is(n't), was(n't),...., which in turn is preceded by: a full stop, inverted commas ?
1566. Yes. RM: Gerund -1. Go to 1.
1567. No. Is it preceded by: a word from List No 10, which in turn is preceded by: PPNC, Noun only, NV, ANV ?
1568. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1569. No. Is it preceded by: PAV, PANV, which in turn is preceded by: a word from List No 10, which in its turn is preceded by PPNC ?
1570. Yes. RM: Gerund -1. Go to 1.
1571. No. Is it preceded by: PAV, PANV, which in turn is preceded by: a word from List No 10, which in its turn is preceded by: full stop, inverted commas ?
1572. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1573. No. Is it preceded by: is there, was there, are there, were there, there is, there are, there was, there were,...., ?
1574. Yes. RM: Participle -3. Go to 1.
1575. No. Is it preceded by: do(n't), does(n't), did(n't), a word from List No 7 ?

1576. Yes. RM: Gerund -1. Go to 1.
1577. No. Is it followed by: do(n't), does(n't), did(n't), a word from List No 7 ?
1578. Yes. RM: Gerund -1. Go to 1.
1579. No. Is it preceded by "and", which in turn is preceded by an Adj. ?
1580. Yes. RM: Adj. Go to 1.
1581. No. Is it followed by: a name, an Adj. only, NV, ANV, Noun only ?
1582. Yes. RM: Gerund -1. Go to 1.
1583. No. Is it preceded by a Verb (Auxil. excluded), which in turn is preceded by "to" ?
1584. Yes. RM: Gerund -1. Go to 1.
1585. No. Is it preceded by a Verb ?
1586. Yes. RM: Predicative. Go to 1.
1587. No. Is it preceded by: VAP, despite,...., ?
1588. Yes. RM: Gerund -1. Go to 1.
1589. No. Is it followed by: PPOC, Possessive Pr. ?
1590. Yes. RM: Participle -2. Go to 1.
1591. No. Is it followed by: very, much, most, more, less,...., and at the same time preceded by: a Punctuation Mark ?
1592. Yes. RM: Participle -2. Go to 1.
1593. No. Is it followed by: much, most, more, less, very,...., ?
1594. Yes. RM: Participle, as a Verb in a Tense. Go to 1.
1595. No. Is it preceded by: Noun, Adverb, VAP,...., and at the same time followed by a word from List No 1 ?
1596. Yes. RM: Participle -3. Go to 1.
1597. No. Is it preceded by an Adverb, and at the same time followed by a word from List No 1 ?
1598. Yes. RM: Gerund -1. Go to 1.
1599. No. Is it preceded by a Punctuation Mark, and at the same time followed

by a Punctuation Mark ?

1600. Yes. RM: Gerund -2. Go to 1.

1601. No. Is it followed by: Article, Indic. Pr., at, with, around, beyond, on, for, in, into, any, after, how, what, some, each, against, Possessive Pr., as, from, while, since, by, to, much, of, many, where, ..., ?

1602. Yes. RM: Participle -3. Go to 1.

1603. No. Is it followed by: full stop, comma ?

1604. Yes. RM: Gerund -1. Go to 1.

1605. No. Is it followed by a word from List No 1 ?

1606. Yes. RM: Participle -4. Go to 1.

1607. No. RM: unrecognised, ask the user for help. Go to 1.

1641-1653 (for: PA).

1641. Is PA preceded by a Punct. Mark, and at the same time followed by a Punct. Mark ?

1642. Yes. Excluding the full stop, is the Punct. Mark in turn preceded by an Adj. ?

1642a. Yes. RM: Adj. Go to 1.

1642b. No. Is the Punct. Mark (the one to the left) preceded in turn by Participle -1st ?

1642c. Yes. RM: Participle -1st. Go to 1.

1642d. No. RM: Participle -1st. Go to 1.

1643. No. Is it preceded by: Indicative Pr., a word ending in "-s" ("-s") (Genitive of the Noun - see for exceptions), Article, any, such, some, with(out), more, most, less, another, other, all, in(to), on(to), from, no, both, ..., and at the same time followed by a word from List No 1 ?

1644. Yes. RM: Participle -1st (used as a Noun). Go to 1.

1645. No. Is it preceded by: the words enumerated in 1643, and at the same time followed by: Noun only, Adj. Only, NA, NV, ANV ?

1646. Yes. RM: Adj. Go to 1.
1647. No. Is it preceded by: a word from List No 10, have(n't), had(n't), be,.... ?
1648. Yes. RM: Participle-1st (used as Predicative). Go to 1.
1649. No. Is it preceded by an Adverb, which in turn is preceded by: a word from List No 10, be, been,.... ?
1650. Yes. RM: Adj. (used as a Predicative). Go to 1.
1651. No. Is it followed by: Noun only, Adj. only, NA, NV, ANV ?
1652. Yes. RM: Adj. Go to 1.
1653. No. Take PA through sub-routine 1131-1307, and, if not resolved there, RM: unrecognised, ask the user for help. Go to 1.
- 1661-1675 (for: PV).
1661. Is PV followed by a name ?
1662. Yes. RM: Verb. Go to 1.
1663. No. Is it preceded by: comma, full stop ?
1664. Yes. RM: Participle -1st. Go to 1.
1665. No. Is it preceded by: a name, PPNC ?
1666. Yes. RM: Verb. Go to 1.
1667. No. Is it preceded by: Noun only, NV, NA, ANV,...., which in turn is preceded by an Article, and at the same time followed by an Adverb ?
1668. Yes. RM: Verb. Go to 1.
1669. No. Is it preceded by a Punct. Mark, and at the same time followed by a Punct. Mark ?
1670. Yes. RM: Verb. Go to 1.
1671. No. Is it preceded by: and, comma,...., ?
1672. Yes. RM: Verb. Go to 1.
1673. No. Is it preceded by: Noun only, NA, NV, ANV ?
1674. Yes. RM: Verb. Go to 1.
1675. No. Proceed to analyse it in sub-routine 1131-1307, if not resolved there,

RM: unrecognised, ask the user for help. Go to 1.

1681-1701 (for: AA).

1681. Is AA preceded by: a word from List No 10, a Verb (no other Auxil. except those mentioned), and at the same time followed by a word from List No 1 ?

1682. Yes. RM: Adverb (used as Predicative). Go to 1.

1683. No. Is it preceded by an Article, and at the same time followed by: Noun only, PANV, NA, NV, Adj. only ?

1684. Yes. RM: Adj. Go to 1.

1685. No. Is it preceded by a full stop, and at the same time followed by: Punct. Mark ?

1686. Yes. RM: Adverb. Go to 1.

1687. No. Is it preceded by VAP, and at the same time followed by a word from List No 1 ?

1688. Yes. RM: Adverb. Go to 1.

1689. No. Is it followed by: Adverb, AV, ..., which in turn is followed by a word from List No 1 ?

1690. Yes. RM: Adverb. Go to 1.

1691. No. Is it preceded by an Adverb, and at the same time followed by: Noun only, NV, ANV, PANV ?

1692. Yes. RM: Adj. Go to 1.

1693. No. Is it preceded by: Noun only, NV, ANV, ..., which in turn is preceded by a Verb, and at the same time followed by a word from List No 1 ?

1694. Yes. RM: Adverb (used as Predicative). Go to 1.

1695. No. Is it followed by VAP, which in turn is followed by: Noun only, Adj. only, NV, ANV, NA ?

1696. Yes. RM: Adverb. Go to 1.

1697. No. Is it preceded by an Article, and at the same time followed by: Noun only, NA, NV, ANV ?

1698. Yes. RM: Adj. Go to 1.

1699. No. Is it followed by a word from List No 1 ?

1700. Yes. RM: Adverb. Go to 1.

1701. No. RM: unrecognised, ask the user for help. Go to 1.

N.B. Additional abbreviations used in the algorithm: d (human being); r (geographical name).

N.B. Explanation of the terms used for PANV and PAV:

1. Participle, as a Verb in a Compound Tense:

(i) "He was building a house".

2. Gerund -1 (functioning as Noun):

(ii) "The building of a new society ..."

3. Gerund -2 (operating as a Verb):

(iii) "... an important way of keeping them together ...", "... start speaking ..." (= to + Verb).

4. Participle -2 (N.B. here distinct from Participle 2-nd of the Verb "-ed" presented in the other chapters) - operating as a Verb in a non-finite clause (iv):

(iv) "Walking in the street, he saw ..."

5. Participle -3 (a variant of 4) :

(v) "... adult men staying at a hotel...", "... people gathering in front of ..."

6. Participle -4 (another variant of 4):

(vi) "He spoke without winking."

7. Noun:

(vii) "A new building."

N.B. This distinction was made to facilitate translation into other languages.

6. Lists of words used by Algorithm No 3.

(i) List No 1: Conjunctions, Prepositions, Particles, Auxiliary words,

Punctuation Marks, the Article, Pronouns, Interjections, Adverbs, all words registered in the Dictionary as VAP, PV, and all Verbs (Auxiliary included).

(N.B. List No 1 is used by the algorithms No 3, No 4 and No 5, in part 1 only).

(ii) List No 2: List of all Prepositional Verbs (used with: in, up, out, down, over, away, aside, at, on,..., etc.).

(iii) List No 3: List of all Phrasal (or Compound - Separable Compound) Verbs (Verbs that sometimes are used in combination with another word like: take place, take part, become evident (clear), there is (are, was, were), make clear, sever apart,..., etc.).

(iv) List No 4: besides, therefore, however, whereas, thus, hence, though, despite, with, nevertheless, throughout, through, during, that, only, but, if, otherwise, again, which, although, thereby, already, against, unless, thereafter, over, as, what, toward(s), for, into, about, by, so, from, at, above, under, beside, below, onto, since, in, behind, in front of, beyond, around, before, after, about, against, then, altogether, among, between, beneath, both, between, neither, none, of, Article, so much as, so far as, so far, as long as, as soon as, so long as, in order that, in order to, lest, as well as, and, or, nor, such, than, onto, until, all, near, even, when, while, within, last, next, also, less, more, most, whether, much, once, one, any, many, some, where, another, other, each, then, whose, who, till, what, across, whence, hence, according, due to, owing, whereby, prior, wherever, despite, already, moreover, likewise, however, out, down, over,...

(v) List No 5 : no, what, how, much, some, any, into, in, where, when, how, while, after, more, most, less, least, each, against, Possessive. Pr., but, as, from, Article, on, at, with, without, by, to, for, of, if, neither, nor,...

(vi) List No 6: any, with, such, without, for, no, from, much, many, less, least, how, more, most, where, when, after, before, lest, of, at, on, other, another, toward(s), Possessive Pr., same, every, Article, in, into, per, a word ending in "-s" ("-s' "),...

(vii) List No 7: would(n't), will, won't, shall, shan't, should(n't), can(not), can't, could(n't), not, may, may not, might(n't), must(n't), ought(n't),..., to,...

(viii) List No 8: Article, a word ending in "-s"("-s' ") - genitive of the Noun, Possessive Pr., every, where, when, how, all, no, some, against, by, for, after, before, beyond, at, under, other, as, in, into, of, any, for, on, onto, from, such, same, only, with, another, toward(s), ...

(ix) List No 9: no, no use, beyond, in, into, with, without, any, before, after, what, how, how much, where, some, each, from, as, about, and, while, on, onto, since, by, to, for, of, much,...

(x) List No 10: am, am not, is(n't), are(n't) was(n't), were(n't), ..., not,...

7.1. Algorithm No 4. A preparatory procedure for algorithm No 5.

1. Read the words from left to right as they follow in the text, one by one, After reading each consecutive word the following question is being asked about it:

2. Has the text ended ?

3. Yes. Stop. End operation.

4. No. Record this word in memory. The words are being stored in memory, one after another, as they follow in the text.

4a. Read the next word and proceed to 5.

5. Is this a Punctuation Mark ?

6. Yes. Cut the sentence just before the Punctuation Mark, leaving five spaces before recording the next word in memory. Go to 2.

7. No. Is this a word from List No 1 (see List No 1 in Algorithm No 3). N.B. Exclude from List No 1 all Punctuation Marks and add to it all words registered as PANV and PAV (in the Dictionary), in order to make it suitable for the procedures that follow down below.

8. Yes. Is this word followed by another word from List No 1.

8a. Yes. Is this second word followed by yet another word from List No 1 ?

8aa. Yes. Cut the sentence just before the word in question and leave five



spaces before recording this word and the other two words that follow it, in memory. Go to 2.

8ab. No. Cut the sentence just before the word in question and leave five spaces before recording this word and the word following it in memory. Go to 2.

8b. No. Cut the sentence just before the word in question leaving five spaces before recording it in memory. Go to 2.

9. No. Record the word in memory. Go to 2 (all words that are not registered in List No 1 are recorded in memory as they follow, without leaving extra space between them).

A sample of the output of the algorithm is presented below:

(i) He was pleased ,too ,about the scheduled return by air next Saturday .

7.2. Algorithm No 5 - a procedure to determine the attributes and the predicatives in a sentence.

N.B. In this algorithm by "a word from List No 1" should be understood the margin of five spaces, left at the output of Algorithm No 4.

1. Read the next word (till the end of the text is reached).

2. Is this an Adjective ?

3. Yes. Go to sub-routine 1 - 38.

4. No. Is this a Noun ?

5. Yes. Go to sub-routine 39 - 51.

6. No. Is this a Participle ?

7. Yes. Go to sub-routine 52 - 60.

8. No. Is this a Numeral ?

9. Yes. Go to sub-routine 78 - 82.

10. No. Is this an Adverb ?

11. Yes. Go to sub-routines 63 - 77.

12. No. Is this a name, or an abbreviation, or a capital letter word (excluding the

first words of the sentence) ?

13. Yes. Go to sub-routine 83 - 91.

14. No. Is this a Gerund, or Participle "-ing" ?

15. Yes. Is it preceded by a word from List No 1 (the original List for Algorithm No 3, not the one modified for Algorithm 4 and 5) and at the same time followed by an Adjective, which in turn is followed by an Adjective, or by a Noun ?

15a. Yes. Record in memory against it: an Adjective. Go to 1.

15b. No. Go to 1.

16. No. Is this: all, that,...,?

17. Yes. Is it preceded by: is(n't), was(n't), be, and at the same time followed by a word from List No 1 ?

17a. Yes. Record in memory against all or that: a Predicative. Go to 1.

17b. No. Record in memory against all or that: a Pronoun. Go to 1.

18. No. Go to 1.

sub-routine 1 - 38 (for the Adjective)

1. Is the Adjective (Adj) preceded by a word from List No 1 and at the same time followed by a Noun, which in turn is followed by a word from List No 1 ?

2. Yes. Record in memory against Adj: an Adjective. Go to 1.

3. No. Is the Adj preceded by and, which in turn is preceded by a Predicative ?

4. Yes. Record in memory against Adj: a Predicative. Go to 1.

5. No. Is Adj preceded by an Adverb, which in turn is preceded by a Punctuation Mark and at the same time followed by "to", which in turn is followed by a Verb ?

6. Yes. Record in memory against Adj: a Predicative. Go to 1.

7. No. Is the Adj preceded by a word from List No 1 and at the same time followed by an Adjective, which in turn is followed by a word from List

No 1 ?

8. Yes. Record in memory against Adj: a Predicative. Go to 1.
9. No. Is Adj preceded by an Adjective, which in turn is preceded by a word from List No 1 and at the same time followed by a word from List No 1 ?
10. Yes. Record in memory against Adj: a Predicative. Go to 1.
11. No. Is Adj preceded by a Verb (Auxiliary included) or by a Participle 1-st and at the same time followed by a word from List No 1 ?
12. Yes. Record in memory against Adj: a Predicative. Go to 1.
13. No. Is Adj preceded by a comma and at the same time followed by a word from List No 1 ?
14. Yes. Record in memory against Adj: a Predicative. Go to 1.
15. No. Is Adj preceded by an Adverb, which in turn is preceded by the word only and at the same time followed by a word from List No 1 ?
16. Yes. Record in memory against Adj: a Predicative. Go to 1.
- 17.No. Is Adj preceded by an Adverb, which in turn is preceded by: not, is(n't), am ,am not, are(n't), was(n't), were(n't) and at the same time followed by a word from List No 1 ?
18. Yes. Record in memory against Adj: a Predicative. Go to 1.
19. No. Is Adj preceded by a word from List No 1 and at the same time followed by a word from List No 1 ?
20. Yes. Record in memory against Adj: an Adjective. Go to 1.
21. No. Is Adj preceded by: most, more, less, least,..., which in turn is preceded by a Verb and at the same time followed by a word from List No 1 ?
22. Yes. Record in memory against Adj: a Predicative. Go to 1.
23. No. Is Adj preceded by an Adverb, which in turn is preceded by a Verb and at the same time followed by a word from List No 1 ?
24. Yes. Record in memory against Adj: a Predicative. Go to 1.

25. No. Is Adj preceded by an Adverb and at the same time followed by a word from List No 1 (excluding the word "and" from the List) ?
26. Yes. Record in memory against Adj: a Predicative. Go to 1.
27. No. Is Adj preceded by "of" and at the same time followed by a word from List No 1 ?
28. Yes. Record in memory against Adj: a Predicative. Go to 1.
29. No. Is Adj preceded by a comma and at the same time followed by a Verb ?
30. Yes. Record in memory against Adj: a Predicative. Go to 1.
31. No. Is Adj preceded by an Article, which in turn is preceded by: is(n't), be, am, am not, are(n't), was(n't), were(n't) and at the same time followed by a Noun ?
32. Yes. Record in memory against Adj: a Predicative. Go to 1.
33. No. Is Adj preceded by: "still", which in turn is preceded by: not, is(n't), are(n't), am, be, was(n't), were(n't),..., and at the same time followed by a word from List No 1 ?
34. Yes. Record in memory against Adj: a Predicative. Go to 1.
35. No. Is Adj preceded by: not, be, is(n't), are(n't), am, am not, was(n't), were(n't),..., and at the same time followed by a word from List No 1 ?
36. Yes. Record in memory against Adj: a Predicative. Go to 1.
37. No. Go to 1.  
sub-routine 39 - 51 (for the Noun).
39. Is the Noun (N) preceded by: an Adjective, Numeral, Participle 1-st (used as attribute), Participle "-ing", Gerund,..., which in turn is preceded by a word from List No 1 and at the same time followed by a Noun, which in its turn is followed by a word from List No 1 ?
40. Yes. Record in memory against N: an Adjective. Go to 1.
41. No. Is N preceded by "no", which in turn is preceded by a Verb and at the

same time followed by a word from List No 1 ?

42. Yes. Record in memory against N: a Predicative. Go to 1.

43. No. Is N preceded by: an Article, Possessive Pronoun and at the same time followed by an Adjective, which in its turn is followed by a Noun ?

44. Yes. Record in memory against N: an Adjective. Go to 1.

45. No. Is N preceded by an Adjective, which in turn is preceded by an Article, which in its turn is preceded by: is(n't), are(n't), be, am, am not, was(n't), were(n't),..., and at the same time followed by a word from List No 1 ?

46. Yes. Record in memory against N: a Predicative. Go to 1.

47. No. Is N followed by a Noun and at the same time preceded by a word from List No 1 ?

48. Yes. Record in memory against N: an Adjective. Go to 1.

49. No. Is N preceded by: an Article, am, am not, is(n't), are(n't), was(n't), were(n't),..., and at the same time followed by a word from List No 1 ?

50. Yes. Record in memory against N: a Predicative. Go to 1.

51. No. Go to 1.

sub-routine 52 - 60 (for Participle 1-st).

52. Is Participle 1-st (P1) - the past participle of all regular and irregular Verbs - preceded by a word from List No 1 and at the same time followed by a Noun ?

53. Yes. Record in memory against P1: an Adjective. Go to 1.

54. No. Is P1 followed by "and", which in turn is followed by P1, which in its turn is followed by a Noun ?

55. Yes. Record in memory against P1: an Adjective. Go to 1.

56. No. Is P1 preceded by: an Adjective, an Adverb and at the same time followed by a Noun ?

57. Yes. Record in memory against P1: an Adjective. Go to 1.

58. No. Is P1 preceded by: Participle "-ing", Gerund, and at the same time

followed by a word from List No 1 ?

59. Yes. Record in memory against P1: a Predicative. Go to 1.

60. No. Is P1 preceded by a word from List No 1 and at the same time followed by a word from List No 1 ?

61. Yes. Record in memory against P1: a Predicative. Go to 1.

62. No. Go to 1.

sub-routine 63 - 77 (for the Adverb - b).

63. Is the Adverb (b) preceded by: an Article, an Adjective and at the same time followed by a Noun ?

64. Yes. Record in memory against b: an Adjective. Go to 1.

65. No. Is b preceded by a Punctuation Mark and at the same time followed by "to", which in turn is followed by a Verb ?

66. Yes. Record in memory against b: a Predicative. Go to 1.

67. No. Is b preceded by a comma and at the same time followed by a Noun, which in its turn is followed by a comma ?

68. Record in memory against b: an Adjective. Go to 1.

69. No. Is b preceded by a word from List No 1 and at the same time followed by an Adjective, which in its turn is followed by a Noun ?

70. Yes. Record in memory against b: an Adjective. Go to 1.

71. No. Is b preceded by "of" and at the same time followed by a Noun ?

72. Yes. Record in memory against b: an Adjective. Go to 1.

73. No. Is b preceded by: a word from List No 1 or an Adjective and at the same time followed by a Noun or by Participle 1-st ?

74. Yes. Record in memory against b: an Adjective. Go to 1.

75. No. Is b followed by "and", which in turn is followed by an Adverb, which in its turn is followed by a Participle 1-st or a Noun ?

76. Yes. Record in memory against b: an Adjective. Go to 1.

77. No. Go to 1.

sub-routine 78 - 82 (for the Numeral - M).

78. Is the Numeral (M) preceded by an Article and at the same time followed by: (i) a Noun (or by: (ii) an Adjective, which in its turn is followed by a Noun - as second alternative) ?

79. Yes. Record in memory against M: an Adjective. Go to 1.

80. No. Is M preceded by a word from List No 1 and at the same time followed by a Noun or by an Adjective ?

81. Yes. Record in memory against M: an Adjective. Go to 1.

82. No. Go to 1.

sub-routine 83 - 91 (for names, abbreviations, capital letter words).

83. Is the Abbreviation (F), or name (N) preceded by a word from List No 1 and at the same time followed by an Adjective, which in its turn is followed by an Adjective or a Noun ?

84. Yes. Record in memory against F or N: an Adjective. Go to 1.

85. No. Is F or N preceded by: an Adjective, a Numeral and at the same time followed by a Noun or an Adjective ?

86. Yes. Record in memory against F or N: an Adjective. Go to 1.

87. No. Is F or N preceded by a dash (-), which in its turn is preceded by a name, or by an abbreviation and at the same time followed by a Noun ?

88. Yes. Record in memory against F or N: an Adjective. Go to 1.

89. No. Is F or N preceded by a word from List No 1 and at the same time followed by a dash, which in its turn is followed by an abbreviation or a name, which in its own turn is followed by a Noun ?

90. Yes. Record in memory against F or N: an Adjective. Go to 1.

91. No. Go to 1.

ALGORITHMIC RECOGNITION OF THE TENSES

2. Presentation of the Algorithm. Algorithm No 6.

1. Read the next word (till the end of the sentence is reached). (Then read the next sentence word by word, etc.).

2. Is this a Present form of the Verb (Verb or Participle - VP) ?

3. Yes. Is it preceded by a PPNC or by a name ?

3a. Yes. Record in memory against it: Present Simple Tense. Go to 1.

3b. No. Is it preceded by: should(n't), would(n't)?

3c. Yes. Record in memory against it (RM): Future in the Past, Present Conditional Mood. Go to 1.

3d. No. Is it preceded by: to ?

3e. Yes. RM: an Infinitive. Go to 1.

3f. No. Is it preceded by: shall, will, shall not (shan't), will not (won't) ?

3g. Yes. RM: Future Simple Tense. Go to 1.

3h. No. RM: Present Simple Tense. Go to 1.

4. No. Is this a past form of the Verb (Participle or Verb - PV) ?

5. Yes. Is it preceded by a PPNC or by a name (the appearance of an Auxiliary verb stops the search) ?

5a. Yes. RM: Past Simple Tense. Go to 1.

5b. No. RM: Past Simple Tense. Go to 1.

6. No. Is this Participle 2-nd (or Past Participle of Irregular Verb, or Past form of the Verb) ?

7. Yes. Is it preceded by: have ?

7a. Yes. Is "have" preceded by: shall, will, shall not (shan't), will not (won't) ?

7aa. Yes. RM: shall, will (etc. ) + have + Participle 2-nd = Future Perfect Tense. Go to 1.

7ab. No. Is "have" preceded by: should(n't), would(n't) ?

7ac. Yes. RM: should(n't), (would(n't) + have + Participle 2-nd = (i) Perfect



Tense in Conditional Mood. (ii) Future Perfect in the Past. Go to 1.

7ad. No. RM: have + Participle 2-nd) = Present Perfect Tense. Go to 1.

7b. No. Is it preceded by: been ?

7c. Yes. Is "been" in turn preceded by:

have(n't) ?

7ca. Yes. Is "have(n't)" in its turn preceded by: shall, shan't, will, won't ?

7caa. Yes. RM: shall, will (etc.) + have + been + Participle 2-nd = Future Perfect Tense. Go to 1.

7cab, No. Is "have(n't)" in its turn preceded by: should(n't), would(n't) ?

7cac. Yes. RM: should, would (etc.) + have + been + Participle 2-nd = Future Perfect in the Past. Go to 1.

7cad. No. RM: have(n't) + been + Participle 2-nd = Present Perfect Tense. Go to 1.

7d. No. Is it preceded by : being ?

7e. Yes. Is "being" preceded by: was(n't), were(n't) ?

7ea. Yes. RM: was(n't), (were(n't) + being + Participle 2-nd = Past Continuous Tense, Passive Voice. Go to 1.

7eb. No. Is "being" preceded by: am, am not, is(n't), are(n't) ?

7ec. Yes. RM: am (etc.) + being + Participle 2-nd = Present Continuous Tense, Passive Voice.

Go to 1.

7f. No. Is it preceded by: be ?

7g. Yes. Is "be" in turn preceded by: should(n't), would(n't) ?

7ga. Yes. RM: should(n't), (would(n't) + be + Participle 2-nd = Future in the Past, Passive Voice. Go to 1.

7gb. No. Is "be" in turn preceded by: shall, shan't, will, won't ?

7gc. Yes. RM: shall (etc.) + be + Participle 2-nd = Future Tense. Passive Voice. Go to 1.

7gd. No. Is "be" preceded by : to ?

7ge. Yes. RM: to + be + Participle 2-nd = Infinitive, Passive Voice. Go to 1.

7h. No. Is it preceded by: am, am not, is(n't), are(n't) ?

7i. Yes. RM: am (etc.) + Participle 2-nd = Present Tense, Passive Voice. Go to 1.

7j. No. Is it preceded by: has(n't), have(n't) ?

7k. Yes. RM: have(n't), or (hasn't) + Participle 2-nd = Present Perfect Tense. Go to 1.

7l. No. Is it preceded by: had ?

7m. Yes. RM: had + Participle 2-nd = Past Perfect Tense. Go to 1.

7n. No. RM: Past Simple Tense. Go to 1.

8. No. Is this: -ing form of the Verb ?

9. Yes. Is it preceded by: been ?

9a. Yes. Is "been" in turn preceded by: have(n't) ?

9aa. Yes. Is "have(n't)" in its turn preceded by: should(n't), would(n't) ?

9aaa. Yes. RM: Should(n't), (wouldn't) + have + been + Participle "-ing" = Future Perfect Continuous in the Past. Go to 1.

9aab. No. Is "have(n't)" in its turn preceded by: shall, shan't, will, won't ?

9aac. Yes. RM: shall (etc.) + have(n't) + been + Verb ending in "-ing" = Future Perfect Continuous Tense. Go to 1.

9aad. No RM: have(n't) + been + Verb-ing = Present Perfect Continuous Tense. Go to 1.

9ab. No. Is "been" preceded by: has(n't), or have(n't) ?

9aba. Yes. RM: has(n't), (have/n't) + been + Verb-ing = Present Perfect Continuous Tense. Go to 1.

to 1.

9aab. No. Go to 1.

9b. No. Is it preceded by: be ?

9c. Yes. Is "be" in its turn preceded by: should(n't), would(n't) ?

9ca. Yes. RM: should(n't), (wouldn't) + be + Participle "-ing" = Future Continuous in the Past. Go to 1.

9cb. No. Is "be" in turn preceded by: shall, shan't, will, won't ?

9cc. Yes. RM: shall (etc.) + be + Verb-ing = Future Continuous Tense. Go to 1.

9cd. No. Go to 1.

9d. No. Is it preceded by: am, am not, are(n't), is(n't) ?

9e. Yes. RM: am (etc.) + Verb-ing = Present Continuous Tense. Go to 1.

9f. No. Go to 1.

10. Yes. RM: unrecognised Tense. Ask the operator for help. Go to 1.

1.1. Algorithmic notation of Algorithm No 7.

1. Read the wordforms of the sentence (from full stop to full stop) one by one, or has the sentence (or the text) ended ?

2. Yes. Go to 1 to read the wordforms of the next sentence. If the text has ended, stop, end operation.

3. No. Take each individual wordform of the sentence (starting with the first) and compare it with the List presented in the Dictionary of Wordforms (DW). In those cases when the wordform from the text coincides with the first word of a phrase (first words of more than one phrase) in the DW, take, consecutively, the next word(s) of the sentence and compare them with the phrase(s) in the DW to see if a phrase can be matched. If a phrase is matched, take the grammatical information registered for the phrase and store it. Else, take the grammatical information registered for that particular individual wordform and store it. If a wordform from the sentence cannot be matched with a wordform from the DW, display the wordform and ask the operator to register it in the DW together with its grammatical information. Then repeat the operation of identification.

The grammatical information of each wordform of the sentence is stored and

presented as shown above (See the example with: The pianist, sitting down to play, gave her a brief look). The words of the sentence are arranged in a horizontal sequence (as they follow), the grammatical information is arranged vertically under each word (as shown above). Then the next step (4) of the algorithm is performed. Go to 4.

4. Run the segments, from the Dictionary of Segments (DS), one by one, through the vertically arranged sequences of grammatical information of the words of the sentence (as described in 3). This operation is performed in the following manner:

If the first element of a segment (or segments) matches an element of the grammatical record of the first word of the sentence, the second element of the same segment(s) is run through to match an element of the grammatical information of the second word of the sentence. If no matching occurs on this second step go to 5. If the second step is matched, run the third element of that segment (of those segments), which has matched the first two steps, through the grammatical record of the third word of the sentence. If the third element of the segment cannot find a match, go to 7. If the third element is matched, go to 8.

5. Display the segment(s) - the segment(s) consisting of only one element - identified with the first step. A segment consisting of only one element means that the segment identified has no more than one element. Those segments, whose second element did not match, are excluded. Display also the Parsing of that one-element segment (of those one element segments). Then, proceed with the second word of the sentence, trying to match the first elements of all segments from the DS, with its grammatical record. When a matching takes place go to 6.

6. Match the second element of the segment(s) with the grammatical record of the third word of the sentence. If matching occurs, go to 8. If not, go to 5.

7. Exclude all segments whose length is greater than two elements and consider

only those segments that match and consist of two elements. Display them together with their pre-recorded Parsing. Then go to 7.1.

7.1. Then, proceed with the third word of the sentence, matching the first elements of all segments from the DS with its grammatical record. When a matching occurs, the procedure continues in the same way as described up to now for the previous steps, till the end of the sentence, or till the end of the matching segment.

8. Match the (third) fourth element of that segment (of those segments) whose first (two) three elements were already matched, with the grammatical record of the fourth word of the sentence. If a matching occurs go to 9. If not go to 10.

9. Match the (fourth) fifth element of that segment (of those segments), whose first (three) four elements were already matched, with the grammatical record of the fifth word of the sentence. If a matching occurs, go to 11. If not, go to 12.

10. Exclude all segments, whose length is greater than three elements and consider only that (those) segment that consists of three elements only. Display it (them) together with its (their) pre-recorded Parsing. Go to 10.1.

10.1. Proceed with the fourth word of the sentence, matching the first elements of all segments from the DS with its grammatical record. If matching occurs, the procedure continues as described up to now for the previous steps, until the end of the sentence is reached. If not, go to 5.

11. Match the (fifth) sixth element of that segment (of those segments), whose first (four) five elements were already matched, with the grammatical record of the sixth word of the sentence. If a matching occurs go to ... (etc. till the end of the sentence). If not, go to...etc. as described for the previous steps.

12. Exclude all segments, whose length is greater than four elements. Leave only the four-element long segment(s) that matches. Display it (them), together with its (their) pre-recorded Parsing. Then, continue with the fifth word of the sentence, by running through it the first elements of the segments in the same

way as already described. (etc., etc., till the sentence is identified and presented as a sequence of segments).

Algorithm No 21 to choose between Sj and Od ( for appositional segments marked as Sj or Od).

1. Is Sj/Od segment preceded by a full stop ?
2. Yes. Record: a Sj. Go to the next segment marked Sj or Od. Go to 1. (For brevity we will use: Go to 1).
3. No. Is Sj/Od immediately preceded by Sj/Od, which in turn is preceded by a full stop ?
4. Yes. Same as 2.
5. No. Is Sj/Od preceded by:  
Sj v Oi Od  
Sj v Od  
Sj am Pi Oi Od  
Sj am Pi Od  
Sj has P2 Oi Od  
Sj has P2 Od ?
6. Yes. Record: Od. Go to the next Sj/Od .  
Go to 1.
7. No. Is Sj/Od followed by b - clause(s) ?
8. Yes. Same as 2.
9. No. Is Sj/Od followed by a segment that starts with v (Verb) or by a segment that starts with am (was, were, are) ?
10. Yes. Same as 2.
11. No. Is Sj/Od followed by another Sj/Od (up to 3 other Sj/Od segments), which in turn is (are) followed by a v - segment or by: am (was, were, are) - segment ?

12. Yes. Same as 2.

13. No. Is Sj/Od segment followed by: and + Sj/Od segment, which in turn is followed by a b - clause or by a v - segment or by am - segment ?

14. Yes. Same as 2.

15. No. Unrecognized. Ask operator for help. Go to the next Sj/Od. Go to 1.

1.1. Algorithm No 8 for the References within the Segment.

N.B. In this algorithm, the word letter means the abbreviation of a Part of Speech or a natural language word used in the segment.

1. Read the segment letter by letter. Is the letter marked with the sign " - except in N"s -(right top side of the letter) ? (letter = Part of Speech which in turn is = to a wordform in the text).

2. Yes. Remember it temporarily. Go on reading the segment to the end. Is there another letter marked with the same sign " ?

2a. Yes. This letter (i.e. wordform) refers to the previous one marked also " (the one that was remembered temporarily).

2b. No. There is a mistake. Ask for help. Go to 1 to read the next segment.

3. No. Is the letter marked with the sign ' - except when used with a natural language word to mark the Genitive of the Noun - (right top side of the letter) ?

4. Yes. Remember it temporarily. Go on reading the segment to the end. Is there another letter marked with the same sign ' ?

4a. Yes. This letter (i.e. wordform) refers to the previous one marked ' (the one that was remembered temporarily).

4b. No. There is a mistake. Ask the operator for help. Go to 1 to read the next segment.

5. No. Is the letter marked with the sign "" (right top side of the letter) ?

6. Yes. Remember it temporarily. Go on reading the segment to the end. Is there another letter marked with the sign " or with the sign ' ?

6a. Yes. Refer this letter (the one marked " or ') to the one marked "' (the one that was remembered temporarily).

6b. No. There is a mistake. Ask the operator for help. Go to 1 to read the next segment.

7. No. Is there a letter marked with the sign " then another letter, after it, marked with the sign ' or vice versa ?

8. Yes. Remember them temporarily. Go on reading the segment to the end. Is there another letter marked with the sign " ' ?

8a. Yes. This letter refers to both previous letters marked respectively " and ' .

8b. No. There is a mistake. Ask the operator for help. Go to 1 to read the next segment.

9. Go to 1 to read the next segment.

2.1. Identification of the Pronouns. Algorithm No 9.

1. Is this O or Os ? (the genitive of the Noun is excluded from O).

2. Yes. Go to Algorithm No 10.

3. No. Is this R ? (names are excluded from R).

4. Yes. Go to Algorithm No 11.

5. No Is this X ?

6. Yes. Go to Algorithm No 12.

7. No. Is this PPNC (Personal Pronoun Nominal Case) ?

8. Yes. Go to Algorithm No 13.

9. No. Is this Z ?

10. Yes. Go to Algorithm No 14.

11. No. Is this : who ?

12. Yes. Go to Algorithm No 15.

13. No. Is this: which ?

14. Yes. Go to Algorithm No 16.



15. No. Is this: whom ?
16. Yes. Go to Algorithm No 17.
17. No. Is this: both ?
18. Yes. Go to Algorithm No 18.
19. No. Start to read the next segment. Go to 1.

#### 2.1.1. Reference of the Possessive Pronoun.

Algorithm No 10.

1. Is O (Os) equal to: Your(s) ?
2. Yes. Go to 37.
3. No. Is O (Os) in a b - clause, and - segment, Infinitival segment or in "as if plus Infinitive" Clause ? (prepositional Clauses are excluded from b - Clauses).
4. Yes. Go to 18.
5. No. Is O (Os) in a Pi - segment ?
6. Yes. Go to 29.
7. No. Is O (Os) in a who - clause ?
8. Yes. Go to 34.
9. No. Does O (Os) agree in gender and number with the Sj of the same segment ? (ignore "who" as Sj in who - Clauses). See table 1 showing the agreement.
10. Yes. Is the Sj a noun ?
  - 10a. Yes. Replace O (Os) with the Sj and put the Sj in genitive (for example, if Sj = John, make it John's). Go to 1 for next O.
  - 10b. No. Is the Sj: PPNC, both ?
  - 10c. Yes. Take the reference of PPNC or of "both" and replace O (Os) with it, putting it in genitive. Go to 1 for next O (Os).
  - 10d. No Go to 11.
11. No. Does O (Os) agree with the Sj of the previous segment(s) ? (Look left, till a full stop is reached and seek agreement with the Sj of the previous

segments).

12. Yes. Refer O (Os) to the Sj of that segment. Go to 1 to read the next O (Os). If Sj = PPNC take the reference of PPNC.

13. No. Does O (Os) agree with a Sj from the previous sentence ?

14. Yes. Refer O (Os) to the Sj from the previous sentence. If the Sj = PPNC take its reference. Find next O and go to 1.

15. No. Does O (Os) agree with the Od of a TCv + Od segment?

16. Yes. Refer it to the Od.

17. No. Repeat instructions 13 and 14 for the last 3 sentences (ignore new paragraphs). If no agreement is found ask operator for help.

18. Does O (Os) agree with the Od of the main clause of that same sentence ?

19. Yes. O (Os) refers to the Od, replace it with the Od. Put Od in genitive.

When O = its, if Od = n of n, then refer "its" to the last (the second) n. Find next O and go to 1.

20. No. Does O (Os) agree with d as Sj of the same sentence ?

21. Yes. Refer O (Os) to the Sj of the same sentence. Put the Sj in genitive. If the

Sj = PPNC find its reference. Find next O and go to 1.

22. No. Does O (Os) agree with a d from the previous sentence (going left, the first d is considered first) ?

23. Yes. Put it in genitive and replace O (Os) with it. If d = PPNC find its reference. Find next O and go to 1.

24. No. Does O (Os) agree with a d from the last but one sentence ? (new paragraph(s) ignored).

25. Yes. Carry out instruction 23.

26. No. Does O (Os) agree with R or Od of the same segment (left only) ?

27. Yes. Take the reference of R and replace O with it or replace O with the

genitive of Od. Find next O and go to 1.

28. No. Reference of R is not found. Ask operator for help.

29. Does the Pi - segment start the sentence ?

30. Yes. Does next segment (next to the right) start with d ?

30a. Yes. Is there an agreement between O (Os) and d ?

30aa. Yes. Put d in genitive and replace O (Os) with it. Find next O and go to 1.

30ab. No. Go to 31.

30b. No. Go to 31.

31.No. Does O (Os) agree with a Sj, till a full stop is reached to the left ?

32. Yes. Put the Sj in genitive and replace O with it. If the Sj = PPNC replace O with the reference of PPNC. Find next O and go to 1.

33. No. Reference not found. Ask operator for help.

34. Is "who" immediately preceded by a d ?

35. Yes. Refer O (Os) to that d. Put that d in genitive and replace O with it.

If d = PPNC take its reference. Find the next O and go to 1.

36. No. Refer O (Os) to the last d within the same sentence to the left, till full stop. Find the next O and go to 1.

37. Go to Algorithm No 13 to see who is the main doer (d) referred to in the text as "I" and who is the 2-nd doer (d) referred to in the text as "You". Refer "your(s)" to the reference of "You". Find the next O and go to 1.

2.1.2. Reference of PPOC. Algorithm No 11.

Reference of the Personal Pronoun Objective Case marked R.

1. Is R = me ?

2. Yes. Refer R to the main character identified previously as "I".

3. No. Is R in a: at + R segment ?

4. Yes. Jump last Sj (do not consider it) and go to 5.

5. No. Does R agree with the d in: d + TCv or TCv + d segment up to 3

segments back ?

6. Yes. Do not refer R to the d in this segment. Go to 7.

7. No. Does R agree (see table 2) with a d as Sj to the left till a full stop is reached (exclude d as Sj of the segment containing R) ?

8. Yes. Is R referred to: a PPNC, Possessive Pronoun ?

8a. Yes. Take the reference of the PPNC or that of the Possessive Pronoun and replace R with it. Find the next R and go to 1.

8b. No. Replace R with the d as Sj. Find next R and go to 1.

9. No. Does R agree with a d or a n (noun) from a b - clause from the previous sentence (Jump to previous paragraph if necessary).

10. Yes. Replace R with that d or n. Take next R and go to 1.

11. No. Does R agree with a d as Sj from the previous sentence (jump to previous paragraph if necessary) ?

12. Yes. Replace R with that d. Take next R and go to 1.

13. No. Is there an interrogative sentence up to 3 sentences back?

14. Yes. Does R agree with the d in that sentence ?

14a. Yes. Replace R with that d. Carry out 8 (8a) if necessary. Take next R and go to 1.

14b. No. Go to 15.

15. No. Does R agree with a d from the previous sentence ?

16. Yes. Replace R with that d. Execute 8a if necessary. Take next R and go to 1.

17. No. Does R agree with the last N"s or last O, as Od, within the same sentence (left only) ?

18. Yes. Replace R with it. Take next R and go to 1.

19. No. Does R agree with a Od from the previous sentence ?

20. Yes. Replace R with it. Take next R and go to 1.

21. No. Does R agree with R (is it identical to another R) in the previous sentence ?
  22. Yes. Take the reference of that previous R and replace R with it. Take next R and go to 1.
  23. No. Does R agree with the Sj of that same segment in which R is located ?
  24. Yes. Does that segment begin with "who" or with "as" ?
  - 24a. Yes. Ignore 'who' or the Sj of that segment and go to 25.
  - 24b. No. Is this segment of the following structure: (i) Sj Cs R; (ii) d v n to v R ?
  - 24c. Yes. Refer R to the d (as Sj) of that segment. Take next R and go to 1.
  - 24d. No . Go to 25.
  25. No. Does R refer to the last d in a b - clause up to 3 sentences back ?  
(Jump to previous paragraph if necessary).
  26. Yes. Replace R with it. Take next R and go to 1.
  27. No. Does R agree with a Sj of a sentence up to 3 sentences back (Jump to previous paragraphs if necessary).
  28. Yes. Replace R with that Sj. Take next R and go to 1.
  29. No. Is R = us, You, them ?
  30. Yes. Is R preceded up to 2 sentences back by: d and d, d and O n, n and n, n and O n ?
  - 30a. Yes. Refer R to the doers mentioned in 30 and corresponding to those in the text. Take next R and go to 1.
  - 30b. No. Refer R to the last 2 doers mentioned. (Jump paragraphs if necessary).
  31. No. The reference of R is not found. Ask the operator for help.
- 2.1.3. Reference of the Reflexive Pronoun.
- Algorithm No 12.
1. Is X in plural ?

2. Yes. Go to 8.
3. No. Does X agree with the d in the previous segment (see table 3) ?
4. Refer X to that d. Take next X and go to 1.
5. No. Does X agree with the last d (to be understood the first to the left) from the same sentence till a full stop ?
6. Yes. Refer X to that d. Take next d and go to 1.
7. No. Is X preceded by: d and d, d and O d, d in plural, to the left till a full stop ?
8. Yes. Refer X to them. Take next X and go to 1.
9. No. The reference of X is not found. Ask for help.

#### 2.1.4. Reference of PPNC. Algorithm No 13.

1. Is this : I ?
2. Yes. Go to 36 - 49 (Note: "I" cannot be referred accurately!)
3. No. Is this: You ?
4. Yes. Go to 68 - 74. (Note: "You" cannot be referred accurately)
5. No. Is this: it ?
6. Yes. Go to 50 - 59.
7. No. Is this: they, we ?
8. Yes. Go to 59 - 67.
9. No. Is the sentence in which PPNC occurred marked with inverted commas put at the beginning and at the end (is it a reported speech) ?
10. Yes. Go to 75.
11. No. Is the segment, in which PPNC occurs, one of the following two types: d + TCv or TCv + d ?
12. Yes. Go to 73.
13. No. Is PPNC immediately preceded by: d + TCv ?
14. Yes. Does PPNC agree with the d in: d + TCv ?

- 14a. Yes. Refer PPNC to that d. Take next PPNC and go to 1.
- 14b. No. Go to 15.
15. No. Does PPNC agree with the Sj of the main clause (independent clause) - go left till full stop, jump dependent Clauses and b - Clauses ?
16. Yes. Is the Sj a PPNC ?
- 16a. Yes. Take its reference and replace PPNC with it. Take next PPNC and go to 1.
- 16b. No. Replace PPNC with the Sj.
17. No. Does PPNC agree with a Sj (first Sj is considered first) to the left till the beginning of this paragraph ? (N.B. When other algorithms use this algorithm exclude the Pronoun under analysis if used as Sj).
18. Yes. Is this Sj a PPNC ?
- 18a. Yes. Carry out instruction 16a.
- 18b. No. Carry out 16b.
19. No. Does PPNC refer to the last Od in this sentence (left only, till full stop) ?
20. Yes. Refer PPNC to this Od. Take next PPNC and go to 1.
21. No. Does PPNC refer to a Od in the previous sentence ? (Jump to previous paragraph if necessary).
22. Yes. Refer PPNC to it. Take next PPNC and go to 1.
23. No. Does PPNC agree with a d from the previous sentence (jump to previous paragraphs if necessary) ?
24. Yes. Replace PPNC with that d. Take next PPNC and go to 1. (If d is PPNC take its reference and substitute PPNC with it).
25. No. Does PPNC agree with a d from the last but one sentence (jump to previous paragraphs if necessary) ?
26. Yes. Replace PPNC with that d. If d is a PPNC use its reference. Take next PPNC and go to 1.

27. No. Does PPNC agree with a d from the 3-d sentence to the left (jump to previous paragraph if necessary) ?
28. Yes. Refer PPNC to that d. Take next d and go to 1.
29. No. Does PPNC agree with a d in the same sentence left only till the full stop ?
30. Yes. Refer PPNC to this d. Take next d and go to 1.
31. No. Does PPNC agree with the last R (only if R = name or with the last O (only if O is a name in genitive) ?
32. Yes. Refer PPNC to that name. Take next PPNC and go to 1.
33. No. Does PPNC agree to the left, till the beginning of this paragraph, with a d ?
34. Yes. Is this d a PPNC ?
- 34a. Yes. Take its reference and substitute PPNC with it. Take next PPNC and go to 1.
- 34b. No. Substitute PPNC with it. Take next PPNC and go to 1.
35. No. Reference of PPNC not found. Ask the operator for help.
36. Is this a dialogue in a play ?
36. Yes. Is "I" preceded by a full stop then by a name ?
- 36a. Yes. Take that name to be the reference of I. Take next PPNC and go to 1.
- 36b. No. Go to 37.
37. No. Is "I" preceded by: d + TCv (to left till full stop) or followed by TCv + d (to right till the end of the sentence) ?
38. Yes. Refer "I" to that d. If d = PPNC, then refer it to its reference. Take next PPNC and go to 1.
39. No. Is I followed, up to the end of the sentence, by a segment: d + TCv ?
40. Yes. Refer I to the d in this segment. If d = PPNC, wait to get its reference. Take next PPNC and go to 1.
41. No. Is one of the last two segments of the last but one sentence: TCv + d ?



42. Yes. Refer I to that d. Take next PPNC and go to 1.
43. No. Is one of the 1-st two segments with which the previous sentence starts: d + TCv ?
44. Yes. Refer I to that d (to the d in the d + TCv segment). If d = PPNC take its reference. Take next PPNC and go to 1.
45. No. Does the previous sentence begin with I ?
46. Yes. Take the reference of this I and replace I with it. Take next PPNC and go to 1.
47. No. Go left up to 5 sentences back (jump previous paragraphs if necessary) and find the last d as a name and as a Sj. Have You found it ?
48. Yes. Replace I with it. Take next PPNC and go to 1.
49. No. The reference of I is not found. Ask for help. Take next I and go to 1.
50. Is "it" immediately followed by: became, become, is, was, will, shall, should, would, may, might ... ?
51. Yes. "It" has no reference. Trace next PPNC and go to 1.
52. No. Does "it" agree with the Od to the left till a full stop is reached ?
53. Yes. Replace "it" with the Od. Take next PPNC and go to 1.
54. No. Does "it" agree with an Od from the previous sentence ?
55. Yes. Replace "it" with that Od. Take next PPNC and go to 1.
56. No. Does "it" agree with the Cs of the same sentence left only ?
57. Yes. Replace "it" with the Cs. Take next PPNC and go to 1.
58. No. The reference of "it" is not found. Ask for help. Take next PPNC and go to 1.
59. Does: we, they, agree with a d or a n (Noun in pl.) from the same sentence to the left till full stop ?
60. Yes. Replace we, they, with it. Take next PPNC and go to 1.
61. No. Is there, from the beginning of this sentence, a segment containing 2 doers (d and d, d and O d), one of which is marked as Sj ) ?

62. Yes. Refer we, they, to these two doers. Take next PPNC and go to 1.
63. No. Is there, in the previous sentence (jump paragraphs if necessary), a d in plural ?
64. Yes. Replace we, they, with it. If this d = PPNC take its reference. Take next PPNC and go to 1.
65. No. Are there 2 different doers back, up to the beginning of this paragraph ?
66. Yes. Refer we, they, to these two doers. Take next PPNC and go to 1.
67. No. The reference of we, they, is not found. Ask the operator for help. Take next PPNC and go to 1.
68. Is one of the last 2 segments of the previous sentence: TCv + d ?
69. Yes. Refer "You" to that d. Take next PPNC and go to 1.
70. No. Does this sentence end with the following two segments:  
(i) d + TCv  
(ii)to + d
71. Yes. Refer You to the d in the to + d segment. Take next PPNC and go to 1.
72. No. Does the previous sentence begin with "You" ?
73. Yes. Take the reference of that You and replace You with it. Take next PPNC and go to 1.
74. The reference of You is not found. Ask for help. Take next PPNC and go to 1.
75. Go left and find the last TCv + d segment (back, up to 3 sentences, jump to previous paragraphs if necessary) Have you found it ?
75. No. Go left to find the last d as Sj. Ignore it. Go further left to find the next in turn d as Sj. Does PPNC agree with that d ?
76. Yes. Replace PPNC with it. Take the next PPNC and go to 1.
77. No. The reference of PPNC is not found. Ask for help. Take the next PPNC and go to 1.

### 2.1.5. Reference of the Reciprocal Pronoun.

#### Algorithm No 14.

1. Z in the text (also in the segment), is found. Go left to find the 1-st d in plural (left up to 5 sentences back, jump to previous paragraphs if necessary). Have you found it ?
2. Yes. Replace Z with it (or remember that Z refers to it). Take the next Z and go to 1.
3. No. Go left up to 5 sentences back and find the 1-st (the 1-st to appear): d and d, d and O d. Have you found it ?
4. Yes. Replace Z with it. Take next Z and go to 1.
5. No. The reference of Z is not found. Ask for help.

### 2.1.6. Reference of "who". Algorithm No 15.

1. "Who" is located. Is "who" immediately preceded by a full stop, then immediately followed by a v and does at the same time the who - segment end in a question mark ?
2. Yes. "Who" starts an interrogative sentence and does not refer. Take the next "who" and go to 1.
3. No. Is who immediately preceded by a b - segment, or by Prepositional Adverbial segment ?
4. Yes. Jump the b - segment, or the Prepositional Adverbial segment(s). Refer who to the d ending the last but one segment (the segment before the b - segment). Take the next who and go to 1.
5. No. Refer who to the d (Noun) ending the last segment. Take the next who and go to 1.

### 2.1.7. Reference of "which". Algorithm No 16.

1. "Which" is located. Is which preceded by a full stop and does the which - segment end with a question mark ?

2. Yes. "Which" starts an interrogative sentence and therefore does not refer. Take next which and go to 1.
3. No. Is which immediately preceded by b - segment(s) ?
4. Yes. Jump b - segment(s). Refer which to the last n (or n + v) preceding the b - segment(s), left only till a full stop is reached. Take next which and go to 1.
5. No. Refer which to the last n in the previous segment.

#### 2.1.8. Reference of "whom". Algorithm No 17.

1 The first occurrence of "whom" is located in the text. Is whom preceded by a full stop and does the whom - segment end with a question mark ?

2. Yes. Whom starts an interrogative sentence and as such does not refer. Take next whom and go to 1.

3. No. Refer whom to the last d. Take next whom and go to 1.

As it is seen, the reference of whom is quite straightforward. It is always referred to the last Noun as (d).

#### 2.1.9. Reference of "both". Algorithm No 18.

Refer both to the last PPNC (plural), R (plural) or to the next d in plural or still, to the next (immediately following): d and d, d and O d, n and n, n and O n.

#### 2.1.10. Reference of PPNC with subsequent logical inference. Algorithm No 19.

Algorithmic notation of Algorithm No 19:

1. Does PPNC refer to the S<sub>j</sub> of the previous segment or (if not) of the previous sentence ?

2. Yes. Is previous segment (or sentence) of the type: S<sub>j</sub> v C<sub>s</sub> ? (where the S<sub>j</sub> = d; v = am (is, are, were); C<sub>s</sub> = O n (where O n = O d)).

2a. Yes. Since PPNC refers to the d as S<sub>j</sub> it also refers to the d as C<sub>s</sub> (C<sub>s</sub> = O d). Therefore replace PPNC with the d in O d (C<sub>s</sub>). Replace also the referent of PPNC with O d. Go right to find the next PPNC then go with it to 1.

2b. No. Proceed further till you find next PPNC and when you find it go with it to 1.

3. No. Proceed further till you find the next PPNC and when you find it go to 1 with it.

## RECOGNITION OF THE DEPENDENT AND INDEPENDENT CLAUSES

1. Algorithm No 20.

1. What is the 1-st word of the segment, is it: as ?

2. Yes. Is it preceded by a word from List No 1 ? (Note: List No 1 here is a list of all Auxiliary Words used as a first word of a segment from the Dictionary of Segments)

2a. Yes. Record in memory, display on the screen and print (for brevity we'll say "record"): A dependent clause for comparison. Go to 1 to read the next segment (for brevity: go to 1).

2b. No. Is it followed by a word from List No 1 ?

2c. Yes. Record: a dependent clause for comparison bearing the meaning expressed by the word from List No 1. Go to 1.

2d. No. Record: a dependent clause. Go to 1.

3. No. Is the 1-st word of the segment (for short: is this): than ?

4. Yes. Record: This is a dependent clause for counter-comparison. Go to 1.

5. No. Is this: because ?

6. Yes. Is it followed by a word from List No 1 ?

6a. Yes. Record: This is a dependent clause bearing the meaning expressed by the word from List No 1. Go to 1.

6b. No. Record: a dependent clause. Go to 1.

7. No. Is this: though ?

8. Yes. Is it followed by a word from List No 1 ?

8a. Yes. Record: a dependent clause for counter comparison expressing the

meaning of the word from List No 1. Go to 1.

8b. No. Record: a dependent clause for counter comparison. Go to 1.

9. No. Is this: although ?

10. Yes. Same as 8a and 8b.

11. No. Is this: if ?

12. Yes. Is it followed by a word from List No 1 ?

12a. Yes. Record: a dependent clause for condition expressing the meaning of the word from List No 1. Go to 1.

12b. No. Record: a dependent clause for condition. Go to 1.

13. Is this: and ?

14. Yes. Is and preceded by a comma or a full stop ?

14a. Yes. Record: this is a dependent clause for addition. Link it to the next segment. Go to 1.

14b. No. Is and followed by a word from List No 1 ?

14c. Yes. Record: wait to take the meaning of the next word and record it; link "and" and the next segment to the previous segment. Go to 1.

14d. No. Record: link and to the previous segment. Go to 1.

15. No. Is this: but ?

16. Yes. Record: a dependent clause for counter-comparison. Link it to the next segment and its meaning. Go to 1.

17. No. Is this: or ?

18. Yes. Record: a dependent clause for option. Link it to the next segment and its meaning. Go to 1.

19. No. Is this: that ?

20. Yes. Is "that" marked in the segment like this: that' ?

20a. Yes. Record: a segment used as a Dependent (Subordinate) that - clause,

explaining the meaning of the previous noun. Go to 1.

20b. No. Does "that" start a structure marked with: I or i ?

20c. Yes. Record: an independent clause. Go to 1.

20d. No. Record: a dependent clause for explanation. Link it to the next segment and its meaning. Go to 1.

21. No. Is this: whom ?

22. Yes. Does this segment end with a question mark ?

22a. Yes. Record: an interrogative sentence.  
Go to 1.

22b. No. Record: a segment giving information concerning the referent of whom. Go to 1.

23. No. Is this: whose ?

24. Yes. Does it end with a question mark ?

24a. Yes. Record: an interrogative sentence.  
Go to 1.

24b. No. Record: segment expressing possessiveness of the referent of whose.  
Go to 1.

25. No. Is this: who ?

26. Yes. Does the who - segment end with a question mark ?

26a. Yes. Record: an interrogative sentence.  
Go to 1.

26b. No. Record: a segment explaining the referent of who. Go to 1.

27. No. Is this: which ?

28. Yes. Does the which - segment end with a question mark ?

28a. Yes. Record: an interrogative sentence.  
Go to 1.

28b. No. Is it preceded by a word from List No 1 ?

- 28c. Yes. Record: a dependent clause expressing the meaning of the word from List No 1. Link it to the next segment. Go to 1.
- 28d. No. Record: a segment explaining the referent of which. Go to 1.
29. No. Is this: whoever ?
30. Yes. Record: an independent clause. Go to 1.
31. No. Is this: both ?
32. Yes. Is it followed by a Preposition (See the List) or by: A, d, and then followed by a segment that begins with "and" ?
- 32a. Yes. Record: a dependent clause for addition. Go to 1.
- 32b. No. Record: a segment explaining the referent of both. Go to 1.
33. No. Is this: then ?
34. Yes. Is it followed by a word from List No 1 ?
- 34a. Yes. Record: a dependent clause for time or sequence; link it to the meaning expressed by the word from List No 1. Go to 1.
- 34b. No. Record: a dependent clause for time or sequence. Go to 1.
35. No. Is this: since ?
36. Yes. Is it followed by a word from List No 1 ?
- 36a. Yes. Record: a dependent clause for alternative. Link it to the meaning expressed by the word from List No 1. Go to 1.
- 36b. No. Record: a dependent clause for time. Go to 1.
37. No. Is this: when ?
38. Yes. Does the when - segment end with a question mark ?
- 38a. Yes. Record: an interrogative sentence.  
Go to 1.
- 38b. No. Record: a dependent clause for time. Go to 1.
39. No. Is this: what ?
40. Yes. Does the what - segment end with a question mark ?
- 40a. Yes. Record: an interrogative sentence for circumstances. Go to 1



40b. No. Record: a dependent clause for circumstances.

Go to 1.

41. No. Is this: where ?

42. Yes. Does the where - segment end with a question mark ?

42a. Yes. Record: an interrogative sentence for place.

Go to 1.

42b. No. Record: dependent clause for place.

Go to 1.

43. No. Is this: why ?

44. Yes. Does the why - segment end with a question mark ?

44a. Yes. Record: an interrogative sentence for reason. Go to 1.

44b. No. Record: dependent clause for reason. Go to 1.

45. No. Is this: after ?

46. Yes. Is it preceded by: if, even, that, but, or, and, so, just, ..., ?

46a. Record: the meaning expressed by the preceding word; record also: a dependent clause for time or sequence.

Go to 1.

46b. No. Record: a dependent clause for time or sequence. Go to 1

47. No. Is this: before ?

48. Yes. Is it preceded by: even, if, or, and, but, that, so, although just only, than, as, like, also, except, once, well...?

48a. Yes. Record: the meaning expressed by the preceding word; record also: a dependent clause for time or location. Go to 1.

48b. No. Record: dependent clause for time or location. Go to 1.

49. No. Is this: how ?

50. Yes. Does the how - segment end with a question mark ?

50a. Yes. Record: an interrogative sentence for manner. Go to 1.

50b. No. Record: a dependent clause for manner or means. Go to 1.

51. No. Is this: about ?
52. Yes. Is it preceded by a word from List No 1 ?
- 52a. Yes. Record: the meaning expressed by the preceding word; record also: a dependent clause for approximation or concern. Go to 1.
- 52b. No. Record: a dependent clause for approximation or concern. Go to 1.
53. No. Is this: A (Article) ?
54. Yes. Is it preceded by a word from List No 1 ?
- 54a. Yes. Record: the meaning expressed by the preceding word. Go to 1.
- 54b. No. Record: an independent clause. Go to 1.
55. No. Is this: d ?
56. Yes. Is it preceded by a word from List No 1 ?
- 56a. Yes. Record: the meaning expressed by the preceding word. Go to 1.
- 56b. No. Record: an independent clause. Go to 1.
57. No. Is this: I ?
58. Yes. Is it preceded by a word from List No 1 ?
- 58a. Yes. Record: the meaning expressed by the word from List No 1. Go to 1.
- 58b. No. Record: an independent clause. Go to 1.
59. No. Is this: i ?
60. Yes. The same as 58a and 58b.
61. No. Is this: M ?
62. Yes. The same as 58a and 58b.
63. No. Is this: it ?
64. Yes. The same as 58a and 58b.
65. No. Is this: O ?
66. Yes. The same as 58a and 58b.
67. No. Is this: other ?
68. Yes. the same as 58a and 58b.
69. No. Is this: such ?

70. Yes. The same as 58a and 58b.
71. No. Is this: all ?
72. Yes. The same as 58a and 58b.
73. No. Is this: G ?
74. Yes. The same as 58a and 58b.
75. No. Is this: n ?
76. Yes. The same as 58a and 58b.
77. No. Is this: just ?
78. Yes. Is it preceded by a word from List No 1 ?
- 78a. Yes. Record: the meaning expressed by the preceding word. Go to 1.
- 78b. No. Is "just" followed by a word from List No 1 ?
- 78c. Yes. Record: a dependent clause (takes the meaning of the word that follows it). Go to 1.
- 78d. No. Record: a dependent clause. Go to 1.
79. No. Is this: until ?
80. Yes. Record: a dependent clause for time. Go to 1.
81. No. Is this: while ?
82. Yes. Yes. Record: a dependent clause for time. Go to 1.
83. No. Is this: yet ?
84. Yes. Is it preceded by a word from List No 1 ?
- 84a. Yes. Record: the meaning expressed by the previous word; record also: means addition.  
Go to 1.
- 84b. No. Record: a dependent clause for addition. Go to 1.
85. No. Is this: once ?
86. Yes. Is it preceded by a word from List No 1 ?
- 86a. Yes. Record: the meaning expressed by the preceding word; record also:

means repetition. Go to 1.

86b. No. Record: a dependent clause for repetition. Go to 1.

87. No. Is this: even ?

88. Yes. Is it preceded by a word from List No 1 ?

88a. Yes. Record: the meaning expressed by the preceding word; record also:

Dependent Clause for comparison. Go to 1.

88b. No. Is it followed by a word from List No 1 ?

88c. Yes. Take the meaning expressed by the word from List No 1, and record: dependent clause for comparison, plus the meaning expressed by the next word.

Go to 1.

88d. No. Record: dependent clause for comparison. Go to 1.

89. No. Is this: so ?

90. Yes. Is it preceded by a word from List No 1 ?

90a. Yes. Record: the meaning expressed by the preceding word; record also:

Dependent Clause for comparison. Go to 1.

90b. No. Is "so" followed by a word from List No 1 ?

90c. Yes. Record: Take the meaning of the next word and record - a dependent clause for comparison, plus the meaning of the next Auxiliary word. Go to 1.

90d. No. Record: a dependent clause for comparison. Go to 1.

91. No. Is this: from ?

92. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause expressing point of departure. Go to 1

93. No. Is this: over ?

94. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for time or location. Go to 1.

95. No. Is this: of ?

96. Yes. Record: expresses possession or concern. Link it to the previous

segment. Go to 1.

97. No. Is this: at ?

98. Yes. The same as 94.

99. No. Is this: on ?

100. Yes. The same as 94.

101. No. Is this: with ?

102. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for instrument, manner or means. Go to 1.

103. No. Is this: without ?

104. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for exclusion. Go to 1.

105. No. Is this: within ?

106. Yes. The same as 94.

107. No. Is this: by ?

108. Yes. The same as 94.

109. No. Is this: into ?

110. Yes. Record the meaning expressed after the segment. If none, record: an adverbial clause for location. Go to 1.

111. No. Is this: onto ?

112. Yes. The same as 110.

113. No. Is this: in ?

114. Yes. The same as 94.

115. No. Is this: for ?

116. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for purpose quantity, etc. Go to 1.

117. No. Is this: to (see the segments where "to" is a particle) ?

118. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for direction. Go to 1.

119. No. Is this: past ?
120. Yes. The same as 110.
121. No. Is this: next ?
122. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for location or time. Go to 1.
123. No. Is this: against ?
124. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for location or counter-action. Go to 1.
125. No. Is this: through ?
126. Yes. The same as 110.
127. No. Is this: under ?
128. Yes. The same as 110.
129. No. Is this: between ?
130. Yes. The same as 110.
131. No. Is this: above ?
132. Yes. The same as 110.
133. No. Is this: only ?
134. Yes. Record the meaning shown after the segment. If none, record: a dependent clause for specification. Go to 1.
135. No. Is this: like ?
136. Yes. Record the meaning shown after the segment. If none, record: a dependent clause for comparison. Go to 1.
137. No. Is this: aboard ?
138. Yes. The same as 110.
139. No. Is this: according to ?
140. Yes. Record: a dependent clause for reported speech. Go to 1.
141. No. Is this: across ?
142. Yes. The same as 110.

143. No. Is this: ahead of ?
144. Yes. The same as 110.
145. No. Is this: albeit ?
146. Yes. Record: a dependent clause. Go to 1.
147. No. Is this: almost ?
148. Yes. Record the meaning shown after the segment. If none, record: a dependent clause for approximation. Go to 1.
149. No. Is this: alone ?
150. Yes. Record the meaning shown after the segment. If none, record: a dependent clause. Go to 1.
151. No. Is this: along ?
152. Yes. The same as 110.
153. No. Is this: already ?
154. Yes. Record the meaning shown after the segment. If none, record: an adverbial clause for time. Go to 1.
155. No. Is this: also ?
156. Yes. Is it preceded by: and, but ?
- 156a. Yes. Record: a dependent clause for addition. Go to 1.
- 156b. No. Is it followed by a word from List  
No 1 ?
- 156c. Yes. Wait to get the meaning of the next segment then record: a dependent clause for addition, plus the meaning of next segment.  
Go to 1.
- 156d. No. Record: a dependent clause for addition. Go to 1.
157. No. Is this: altogether ?
158. Yes. Record: a dependent clause. Go to 1
159. No. Is this: always ?
160. Yes. Record: a dependent clause for time. Go to 1.

161. No. Is this: among ?
162. Yes. The same as 110.
163. No. Is this: any ?
164. Yes. Record: an independent clause. Go to 1.
165. No. Is this: anyway ?
166. Yes. Record: a dependent clause. Go to 1.
167. No. Is this: apart from ?
168. Yes. Record: a dependent clause for exclusion. Go to 1.
169. No. Is this: around ?
170. Yes. The same as 110.
171. No. Is this: away from ?
172. Yes. The same as 110.
173. No. Is this: be ?
174. Yes. Record: incomplete, must be linked to the left (as specified for a be - segment).  
Go to 1.
175. No. Is this: behind ?
176. Yes. The same as 110.
177. No. Is this: being ?
178. Yes. Record: link it to the Sj (1-st on left). Go to 1.
179. No. Is this: beside ?
180. Yes. The same as 110.
181. No. Is this: besides ?
182. Yes. Record: a dependent clause for exclusion or addition. Go to 1.
183. No. Is this: better ?
184. Yes. Record: a dependent clause for choice. Go to 1.
185. No. Is this: beyond ?
186. Yes. The same as 110.



187. No. Is this: called ?
188. Yes. Record: a denomination. Go to 1.
189. No. Is this: calling ?
190. Yes. Record: to be linked to the Sj (first to the left). Go to 1.
191. No. Is this: depending on ?
192. Yes. Record: a dependent clause for condition. Go to 1.
193. No. Is this: despite ?
194. Yes. Record: dependent adversative clause for rejection.  
Go to 1.
195. No. Is this: down ?
196. Yes. The same as 110.
197. No. Is this: during ?
198. Yes. Record: an adverbial clause for time. Go to 1.
199. No. Is this: e.g., i.e. ?
200. Yes. Record: a dependent clause for explanation.  
Go to 1.
201. No. Is this: each ?
202. Yes. Is it preceded by a word from List  
No 1 ?
- 202a. Yes. Record: the meaning of the preceding word. Go to 1.
- 202b. No. Record: an independent clause. Go to 1.
203. No. Is this: earlier ?
204. Yes. Record: an adverbial clause for time. Go to 1.
205. No. Is this: either ?
206. Yes. Record: a conjunction, link it to the next segment. Go to 1.
207. No. Is this: enough ?
208. Yes. Record: an adverbial clause. Go to 1.
209. No. Is this: every ?

210. Yes. Is it preceded by a word from List  
No 1 ?
- 210a. Yes. Record: the meaning expressed by the preceding word. Go to 1.
- 210b. No. Record: an independent clause. Go to 1.
211. No. Is this: everybody ?
212. Yes. The same as 210, 210a and 210b.
213. No. Is this: everyone ?
214. Yes. The same as 210, 210a and 210b.
215. No. Is this: except ?
216. Yes. Is it followed by a word from List  
No 1 ?
- 216a. Yes. Record: a dependent clause for exclusion; wait till the next segment  
is analysed and link it to it. Go to 1.
- 216b. No. Record: a dependent clause for exclusion. Go to 1.
217. No. Is this: far enough ?
218. Yes. Record: a dependent clause for quantity. Go to 1.
219. No. Is this: far from ?
220. Yes. Record: a dependent clause. Go to 1.
221. No. Is this: FB ?
222. Yes. Record: adverbial clause for time.  
Go to 1.
223. No. Is this: given ?
224. Yes. Record: a dependent clause for condition. Go to 1.
225. No. Is this: halfway ?
226. Yes. Record: an adverbial clause for quantity. Go to 1.
227. No. Is this: having ?
228. Yes. Record: an adverbial clause for time. Go to 1.
229. No. Is this: hence ?

230. Yes. Record: an adverbial clause for time or result. Go to 1.
231. No. Is this: however ?
232. Yes. Record: a dependent clause for contradiction. Go to 1.
233. No. Is this: indeed ?
234. Yes. Record: a dependent clause for agreement (consent). Go to 1.
235. No. Is this: inside ?
236. Yes. The same as 110.
237. No. Is this: instead ?
238. Yes. Record: a dependent clause for exclusion. Go to 1.
239. No. Is this: irrespective ?
240. Yes. The same as 238.
241. No. Is this: last ?
242. Yes. Record: an adverbial clause for time or sequence. Go to 1.
243. No. Is this: late(er) ?
244. Yes. The same as 242.
245. No. Is this: less ?
246. Yes. Record: an adverbial clause for quantity. Go to 1.
247. No. Is this: let(s) ?
248. Yes. Record: an independent clause for suggestion. Go to 1.
249. No. Is this: more ?
250. Yes. The same as 246.
251. No. Is this: moreover ?
252. Yes. Record: an adverbial clause for addition. Go to 1.
253. No. Is this: most ?
254. Yes. The same as 246.
255. No. Is this: name, (d) ?
256. Yes. Record: an independent clause. Go to 1.
257. No. Is this: near ?

258. Yes. The same as 110.
259. No. Is this: needless ?
260. Yes. Record: independent clause for rejection. Go to 1.
261. No. Is this: neither ?
262. Yes. Record: a dependent clause for rejection playing a connecting role; link it to the next clause if it starts with: nor, either, neither. Go to 1.
263. No. Is this: nevertheless ?
264. Yes. Record: a dependent clause for additional information. Go to 1.
265. No. Is this: nice ?
266. Yes. Record: independent clause. Go to 1.
267. No. Is this: nonetheless ?
268. Yes. The same as 264.
269. No. Is this: nor ?
270. Yes. The same as 262.
271. No. Is this: noted ?
272. Yes. Record: Link it to the 1-st Sj to the left. Go to 1. (Or, if it starts the sentence, to the 1-st Sj to the right).
273. No. Is this: nothing ?
274. Yes. Record: a dependent clause for exclusion. Go to 1.
275. No. Is this: now ?
276. Yes. The same as 222.
277. No. Is this: often ?
278. Yes. The same as 222.
279. No. Is this: oh ?
280. Record: an exclamation. Go to 1.
281. No. Is this: please ?
282. Yes. Record: permission or supplication. Go to 1.
283. No. Is this: once ?

284. Yes. Record: an adverbial clause for time or repetition. Go to 1.
285. No. Is this: one ?
286. Yes. Record: an independent clause. Go to 1.
287. No. Is this: others ?
288. Yes. The same as 286.
289. No. Is this: otherwise ?
290. Yes. Record: a dependent clause for alternative.  
Go to 1.
291. No. Is this: out ?
292. Yes. Record: a dependent clause for place or reason. Go to 1
293. No. Is this: overall ?
294. Yes. Record: a dependent clause. Go to 1.
295. No is this: P ?
296. Yes. Record: an independent clause. Go to 1.
297. No. Is this: P2, P1, Pi ?
298. Yes. Record: an interrupted segment (link it to a Noun in the previous segment, as specified in Links). Go to 1.
299. No. Is this: per ?
300. Yes. Record: an expression for quantity. Go to 1.
301. No. Is this: perhaps ?
302. Yes. Record: an expression for a probability or a possibility. Go to 1.
303. No. Is this: prior ?
304. Yes. Record: an adverbial clause for time or sequence. Go to 1.
305. No. Is this: quite ?
306. Yes. Record: an adverbial clause Go to 1.
307. No. Is this: rather ?
308. Yes. The same as 306.

309. No. Is this: regarding ?
310. Yes. Record: a dependent clause for concern. Go to 1.
311. No. Is this: round ?
312. Yes. Unless specified after the segment - same as 110. Go to 1.
313. No. Is this: S ?
314. Yes. Record: a dependent clause for sequence. Go to 1.
315. Is this: some ?
316. Yes. Record an independent clause. Go to 1.
317. No. Is this: somehow ?
318. Yes. Record: an adverbial clause for manner. Go to 1.
319. No. Is this: somewhat ?
320. Yes. Record: an adverbial clause for approximation, or comparison. Go to 1.
321. No. Is this: somewhere ?
322. Yes. Record: a dependent clause for location. Go to 1.
323. No. Is this: T ?
324. Yes. Record: an adverbial for repetition. Go to 1.
325. No. Is this: thereby ?
326. Yes. Record: a dependent clause for explanation. Go to 1.
327. No. Is this: therefore ?
328. Yes. The same as 326.
329. No. Is this: throughout ?
330. Yes. Record: an adverbial clause for time or location. Go to 1.
331. No. Is this: thus ?
332. Yes. The same as 326.
333. No. Is this: title ?
334. Yes. Record: an independent clause or vocative. Go to 1.
335. No. Is this: together ?

336. Yes. Record: an adverbial clause for manner, or togetherness. Go to 1.
337. No. Is this: toward(s) ?
338. Yes. Record: an adverbial clause for time or direction. Go to 1.
339. No. Is this: too ?
340. Yes. Record: an adverbial clause. Go to 1.
341. Is this: unless ?
342. Yes. Record: a dependent clause for condition. Go to 1.
343. No. Is this: upon ?
344. Yes. The same as 110.
345. Is this: used ?
346. Yes. Record: unspecified (or treat it in 298). Go to 1.
347. No. Is this: very ?
348. Yes. Record: an independent clause or an adverbial. Go to 1.
349. No. Is this: via ?
350. Yes. The same as 110.
351. No. Is this: well ?
352. Yes. Record: an adverb. Go to 1
353. No. Is this: whatever ?
354. Yes. Record: a dependent clause for condition. Go to 1.
355. No. Is this: whenever ?
356. Yes. Record: an adverbial clause for time. Go to 1.
357. No. Is this: whereas ?
358. Yes. Record: a dependent clause for explanation.  
Go to 1.
359. Is this: whether ?
360. Yes. Record: a dependent clause for condition. Go to 1.
361. No. Is this: X ?
362. Yes. Record: a Pronoun. Go to 1.

363. No. Is this: yes ?

364. Yes. Record: a particle for agreement.

Go to 1.

365. No. Is this: Pi, v, am, to (as particle), j. Pi, did, has, can, should, not ?

366. Yes. Act according to the instructions given in the respective algorithms (link them to the Sj).

367. No. Is this: there are, there can, there has ?

368. Yes. Record: an independent clause. Go to 1.

369. No. Is this: up ?

370. Yes. Record: an adverbial clause for location or direction. Go to 1.

371. No. Is this: an abbreviation for a semantic group ?

372. Yes. Record: specify according to the meaning of the group. Go to 1.

373. No. Is this: b ?

374. Yes. Record: an adverb or adverbial clause. Go to 1.

375. No. End of operation. Stop.

4.1. Procedure to create interrogative segments. Algorithm No 22.

1. Is this: there ?

2. Yes. Is it followed by: are, is, were ?

2a. Yes. Record: are (is, were) + there + the rest of the segment. Read next segment. Go to 1. (For brevity we will use Go to 1).

2b. No. Go to 1.

3. No. Is this: it ?

4. Yes. Is it followed by: was, is ?

4a. Yes. Record: was (is) + it + the rest of the segment. Go to 1.

4b. No. Is it followed by a v (Verb) ?

4c. Yes. Record: did (do, does) + it + v + ....(the rest of the segment). Go to 1.

4d. No. Go to 1.



5. No. Is this: I ?
6. Yes. Is I followed by: are (is, were, was) ?
  - 6a. Yes. Record: are (is, was, were) + I + ....(the rest of the segment). Go to 1.
  - 6b. No. Is I followed by a v (Verb) ?
  - 6c. Yes. Record: did (do, does) + I + v + ....(the rest of the segment). Go to 1.
  - 6d. No. Go to 1.
7. No. Is this: S<sub>j</sub> am C<sub>s</sub> ?
8. Yes. Record: am + S<sub>j</sub> + C<sub>s</sub>. Go to 1.
9. No. Is this: S<sub>j</sub> + v + O<sub>i</sub> + O<sub>d</sub>, or S<sub>j</sub> + v + O, or S<sub>j</sub> + v + O<sub>d</sub> + C<sub>o</sub> ?
10. Yes. Record: did (do, does) + S<sub>j</sub> + v + ....(the rest of the segment). Go to 1.
11. No. Is this: S<sub>j</sub> am P<sub>2</sub> .....(the rest of the segment) ?
12. Yes. Record: am + S<sub>j</sub> + P<sub>2</sub> + ....(the rest of the segment). Go to 1.
13. No. Is this: S<sub>j</sub> + P<sub>i</sub> + ....(the rest of the segment) ?
14. Yes. Record: am (is, are, was, were) + S<sub>j</sub> + P<sub>i</sub> + ....(the rest of the segment).  
Go to 1.
15. No. Stop. End of operation.