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1: #!/usr/bin/env python
2: # -*- coding:utf-8 -*-
3: #####
4: # 「ttth 1.0」
5: # TeX文章をHTMLに変換するプログラム
6: # 文章はHTML、デザインはCSS
7: # 出力はUTF-8
8: # ファイル読み込みはコマンドラインから
9: # >python ttth.py *.tex
10: # 詳細はreadme.txtに記載
11: #####
12:
13: import sys, re, datetime, string
14:
15: ## TeXファイル処理 #####
16: file_name = sys.argv[1]
17: htmlfile = file_name.replace("tex","html")
18: tex_file = open(file_name,"rU")
19: data = tex_file.read()
20: tex_file.close()
21: #####表用のcssファイルを初期化
22: ss = open("output/style_table_"+ file_name[:-4]+".css","w")
23: ss.write("")
24: ss.close()
25:
26: #####
27: ## 正規表現
28: #####
29: ## 前処理用
30: re_pream = re.compile(r'\\documentclass(\\[.+?\\])?\\{(.+?)\\}(\\.+?)\\begin\\
. {document\\}',re.DOTALL)
31: re_pers = re.compile(r'\\(begin\\})?((v|V)erb(atim)?)\\}')
32: re_verb = re.compile(r'\\verb(.)(.+?)\\n')
33: #re_verbex = re.compile(r'\\verb.+?\\begin\\{(V|v)erbatim\\}') #non
34: re_verb2 = re.compile(r'\\verb-;=(.+?)-;=')
35: #re_v1 = re.compile(r'\\verb') #non
36: re_vverbatim = re.compile(r'\\begin\\{Verbatim\\}(\\.+?)\\end\\{Verbatim
. \\}',re.DOTALL)
37: re_verbatim = re.compile(r'\\begin\\{verbatim\\}(\\.+?)\\end\\{verbatim\\}',re.DOTALL)
38:
39: ## コメント

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40: re_comment = re.compile(r'([\^\\])%(.*)')
41: re_tag_comment = re.compile(r'<!--.*?-->')
42:
43: ## title, subtitle, author, date
44: re_title = re.compile(r'\\title\{([\^\\}+)}\}')
45: re_subtitle = re.compile(r'\\subtitle\{([\^\\}+)}\}')
46: re_author = re.compile(r'\\author\{([\^\\}+)}\}')
47: re_date = re.compile(r'\\date\{([\^\\}+)}\}')
48:
49: ## documentclass
50: re_class = re.compile(r'\\documentclass([\.+?\\])?\\{(.+?)\}')
51: re_document = re.compile(r'\\begin\{document\}+\\end\{document\}',re.DOTALL)
52: re_b_document = re.compile(r'\\begin\{document\}')
53: re_e_document = re.compile(r'\\end\{document\}')
54:
55: re_maketitle = re.compile(r'\\(maketitle|タイトルページ)')
56: re_parindent = re.compile(r'\\parindent=([0-9\\.]+?pt)')
57:
58: re_easylayout = re.compile(r'\\usepackage\{EasyLayout\}')
59:
60: ## 記号 #####
61: re_onesp = re.compile(r'\\@\\,|[a-zA-Z0-9]~[a-zA-Z0-9]') #-> \s
62: #re_nonsp = re.compile(r'()')
63: re_hyfn = re.compile(r'([\^<][\^!])?--[^\^>]?')
64:
65: ## TeX口ゴ #####
66: re_tex = re.compile(r'\\TeX\{\}\|\\TeX\}\|\\TeX\s?')
67: re_latex = re.compile(r'\\p?LaTeX\{\}\|\\p?LaTeX\}\|\\p?LaTeX\s?')
68: re_latexe = re.compile(r'\\p?LaTeX2?e\{\}\|\\p?LaTeX2?e\}\|\\p?LaTeX2?e\s?')
69:
70: #####
71: re_newpage = re.compile(r'\\newpage\{\}\|\\newpage\}\|\\newpage)
    . {1,}',re.DOTALL)
72:
73: ## 罫線
74: re_rulefill = re.compile(r'^(.??)\\(hruleldot)fill\s?|\\(hruleldot)fill\\|\\(hrule
    . dot)fill\{\}\}(.*?$(<br>|)')
75: re_frulef = re.compile(r'\\hrulefill\s?|\\hrulefill\\|\\hrulefill\{\}\}')
76: re_dotf = re.compile(r'\\dotfill\s?|\\dotfill\\|\\dotfill\{\}\}')
77: re_par = re.compile(r'\\par\s?|\\par\\|\\par\{\}\}')
78:

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79: ## 文字サイズ !宣言
80: re_huge1 = re.compile(r'\\Huge\s?([\^{}+?]\s)')
81: re_huge2 = re.compile(r'\\huge\s?([\^{}+?]\s)')
82: re_large1 = re.compile(r'\\LARGE\s?([\^{}+?]\s)')
83: re_large2 = re.compile(r'\\Large\s?([\^{}+?]\s)')
84: re_large3 = re.compile(r'\\large\s?([\^{}+?]\s)')
85: re_normalsize = re.compile(r'\\normalsize\s?([\^{}+?]\s)')
86: re_small = re.compile(r'\\small\s?([\^{}+?]\s)')
87: re_footnotesize = re.compile(r'\\footnotesize\s?([\^{}+?]\s)')
88: re_scriptsize = re.compile(r'\\scriptsize\s?([\^{}+?]\s)')
89: re_tiny = re.compile(r'\\tiny\s?([\^{}+?]\s)')
90:
91: ## 文字の修飾 #####
92: re_t_df = re.compile(r'\\text(uplmdlrm)\s?([\^{}+?]\s)#標準
93: re_t_bf = re.compile(r'\\textbf\s?([\^{}+?]\s)')
94: re_t_it = re.compile(r'\\textit\s?([A-Za-z0-9\s+]\s)')
95: re_t_sl = re.compile(r'\\textsl\s?([\^{}+?]\s)#斜体
96: re_t_sc = re.compile(r'\\textsc\s?([\^{}+?]\s)#Smallcaps
97: re_t_sf = re.compile(r'\\textsf\s?([\^{}+?]\s)#サンセリフ
98: re_t_tt = re.compile(r'\\texttt\s?([\^{}+?]\s)#タイプライター
99: re_u_line = re.compile(r'\\(Ulu)nderline\s?([\^{}+]\s)')
100: re_emph = re.compile(r'\\emph\s?([\^{}+?]\s)')
101:
102: ## アクセント
103: re_acsent0 = re.compile(r'\\.\\[a-zA-Z]\s)')
104:
105: ## img
106: re_img = re.compile(r'\\includegraphics\[(.+?)\]\s?{(.*)}([\^/]+?)\s)')
107:
108: ##position
109: re_raisebox = re.compile(r'\\raisebox\{(-)(.+?)\}\s?([\^{}+?]\s)')
110: re_raisebox2 = re.compile(r'\\raisebox\{(-)(.+?)\}\s?([\^{}+?]\s)')
111:
112: re_rule = re.compile(r'\\rule\[(-)(.+?)\]\s?{(.*)}\s?{(.*)}\s)')
113: re_zero = re.compile(r'^\\.')
114:
115: re_vspace = re.compile(r'\n?\s?\\vspace\*?\s?{(-)[0-9\.\s]*}\s?\\(Cvslbaselineskiplfill)\s?
.\s?')
116: re_hspace = re.compile(r'\\hspace\*?\s?{([0-9\.\s]+?)([a-z]+?)\s)')
117: re_hspacem = re.compile(r'\\hspace\*?\s?{-}([0-9\.\s]+?)([a-z]+?)\s?([\^{}\\\n]+)')
118:

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119: re_makebox = re.compile(r'\\makebox\\{\\(textwidthlinewidth)\\}\\{([^\\{]+?)\\}')
120:
121: #part section
122: re_part = re.compile(r'\\part\\{([^\\{]+?)\\}')
123: re_section = re.compile(r'\\section\\{([^\\{]+?)\\}')
124: re_subsection = re.compile(r'\\subsection\\{([^\\{]+?)\\}')
125: re_subsubsection = re.compile(r'\\subsubsection\\{([^\\{]+?)\\}')
126: re_paragraph = re.compile(r'\\paragraph\\{([^\\{]+?)\\}')
127: re_subparagraph = re.compile(r'\\subparagraph\\{([^\\{]+?)\\}')
128: re_par = re.compile(r'\\part\\{[^\\{]+?\\}\\.+(?!--endpart-->|</body>)',re.DOTALL)
129: re_sec = re.compile(r'\\section\\{[^\\{]+?\\}\\.+(?!--endsec-->|</body>)',re.DOTALL)
130: re_sub = re.compile(r'\\subsection\\{[^\\{]+?\\}\\.+(?!--end(sub)sec-->|</
. body>)',re.DOTALL)
131:
132: re_footnote = re.compile(r'\\footnote\\{([^\\{]+?)\\}')
133:
134: ## \\begin{}\\end{}
135: ## 環境
136: re_env = re.compile(r'\\begin\\{.+?\\}')
137:
138: re_center = re.compile(r'\\begin\\{center\\}(\\.+)\\end\\{center\\}',re.DOTALL)
139: re_flushright = re.compile(r'\\begin\\{flushright\\}(\\.+)\\end\\{flushright
. \\}',re.DOTALL)
140: re_flushleft = re.compile(r'\\begin\\{flushleft\\}(\\.+)\\end\\{flushleft\\}',re.DOTALL)
141: re_quotation = re.compile(r'\\begin\\{quotation\\}(\\.+)\\end\\{quotation
. \\}',re.DOTALL)
142:
143: re_itemize = re.compile(r'\\begin\\{itemize\\}(\\.+)\\end\\{itemize\\}',re.DOTALL)
144: re_enumerate = re.compile(r'\\begin\\{enumerate\\}(\\.+)\\end\\{enumerate
. \\}',re.DOTALL)
145: re_description = re.compile(r'\\begin\\{description\\}(\\.+)\\end\\{description
. \\}',re.DOTALL)
146: re_item = re.compile(r'\\item\\s(.+)')
147: re_item2 = re.compile(r'\\item\\s\\[(.+?)\\](.+)')
148:
149: re_wrapfigure = re.compile(r'\\begin\\{wrapfigure\\}\\{(llr)\\}\\{(.+)\\}(\\.+)\\end\\
. {wrapfigure\\}',re.DOTALL)
150: re_tag_img = re.compile(r'<img(.+?)>')
151:
152: re_page = re.compile(r'\\.([^!][^-]{4}\\.\\n)??\\begin\\{(boxedl)minipage\\}\\{0?\\.
. ([0-9]+?)\\textwidth\\}(\\.+)\\end\\{(boxedl)minipage\\}(\\n?\\.([!][^-]{4}\\.)',

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152: re.DOTALL)
153: re_w = re.compile(r'\\begin\\{(boxedl)minipage\\}\\{0?\\.([0-9]+?)\\}\\textwidth\\}(.+?)
. \\end\\{(boxedl)minipage\\}\\n<!-->\\n\\begin\\{(boxedl)minipage\\}\\{0?\\.([0-9]+?)\\}
. \\textwidth\\}(.+?)\\}\\end\\{(boxedl)minipage\\}', re.DOTALL)
154: re_pcome = re.compile(r'<!-->')
155: re_pagepart = re.compile(r'\\end\\{(boxed)minipage\\}(\\n?[^!][^~]{4}.)',re.DOTALL)
156:
157: re_bb = re.compile(r'\\{2}')
158: re_table = re.compile(r'\\begin\\{tabular\\}\\{(.+?)\\}(.+?)\\}\\end\\{tabular\\}',
. re.DOTALL)
159: re_tdand = re.compile(r'\\s*&\\s*')
160: re_mcolumn = re.compile(r'<td class="([0-9a-z]+?)">\\multicolumn\\{([0-9]+)\\}\\{(.
. +?)\\}\\{(.+?)\\}</td>( <td class="([0-9a-z]+?)">|</tr>)' )
161: re_mrow = re.compile(r'<td class=".+?">\\multirow\\{([0-9]+)\\}\\{(.+?)\\}\\{(.+?)\\}')
162: re_thline = re.compile(r'\\hline')
163: re_thlinew = re.compile(r'\\hline\\s{0,}\\hline')
164: re_trtds = re.compile(r'(</tr>|</td>)' )
165: re_tablex = re.compile(r'\\begin\\{tabularx\\}(.+?)\\}\\end\\{tabularx\\}', re.DOTALL)
166: re_tablex2 = re.compile(r'\\begin\\{tabularx\\}\\{(.+?)\\}\\{(.+?)\\}(.+?)\\}\\end\\{tabularx
. \\}', re.DOTALL)
167: re_tablexp = re.compile(r'p\\{(.+?)\\}')
168:
169: re_newcommand = re.compile(r'\\newcommand\\{([\\^\\{\\[\\]]+?)\\}\\n?\\s{0,}\\{([\\^\\}
. +?)\\}',re.DOTALL)
170:
171: re_mokuji = re.compile(r'\\(tableofcontents|目次)')
172: re_midashi2 = re.compile(r'<h2\\sclass=".+?"><a\\s.+?>([0-9\\.]+?)\\s.+?</a></h2>')
173: re_midashi3 = re.compile(r'<h3\\sclass=".+?"><a\\s.+?>([0-9\\.]+?)\\s.+?</a></h3>')
174:
175: re_bunken = re.compile(r'\\begin\\{文献表\\}(.+?)\\}\\end\\{文献表\\}',re.DOTALL)
176: re_item3 = re.compile(r'\\item\\s([\\^\\{\\[\\]]+?)\\Year\\{(.+?)\\}\\{(.+?)\\}',re.DOTALL)
177: re_item4 = re.compile(r'\\item\\s([\\^\\{\\[\\]]+?)\\{(.+?)\\}',re.DOTALL)
178:
179: re_color = re.compile(r'\\{\\color\\{(.+?)\\}\\s(.+?)\\}')
180:
181: ##### ごみ処理及び体裁整備用
182: re_area = re.compile(r'(</code>.+?<code>|<body>.+?<code>|</code>.+?</
. html>)',re.DOTALL)
183: re_br = re.compile(r'\\n{2,}|\\{2}|\\par')
184:
185: re_nonbr1 = re.compile(r'(</?(h[1-6]|hr|div|ol|ul|br|li|pre|p|blockquote|dt|dd|dl)|\\s.

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185: +?)?>)\n*<br>',re.DOTALL)
186: re_nonbr2 = re.compile(r'<br>\n*(</?(h[1-6]|hr|div|lollullbr|lilpre|lplblockquoteldtlddl
. dl))',re.DOTALL)
187:
188: re_dustcoment = re.compile(r'<!--(end(lsub)sec)-->\n')
189: re_dusttag = re.compile(r'<p>\n*</p>\n*',re.DOTALL)
190: re_dusttagp = re.compile(r'</p>\n(<h2 class="section">1)')
191:
192: re_dustblank = re.compile(r'((\n|\t){1,}|\s{2,})')
193:
194: ##不要TeXコマンド
195: re_dust1 = re.compile(r'\\(thispagestyle|tableofcontents|narrowbaselines|
. setcounter)([.+?])?(\\{.+?\\})*)')
196: re_dust2 = re.compile(r'\\(後注|ページ番号)(\\{.*?\\})?')
197:
198: ## HTMLtag
199: re_prev = re.compile(r'<pre>')
200: re_tag = re.compile(r'</?.+?>')
201: re_preamble = re.compile(r'</title>(.*?)</head>',re.DOTALL)
202: re_tag_title = re.compile(r'<title>.*?</title>')
203:
204: #####
205: ## 初期値
206: zwh = 9.6#pt = 1zw=1zh
207: today = datetime.datetime.today().strftime("%Y/%m/%d")
208:
209: title = ""
210: subtitle = ""
211: author = ""
212: date = today
213: fontsize = 10
214:
215: part = 0
216: section = 0
217: subsection = 0
218: subsubsection = 0
219: sec_num = ""
220: sec1 = ""
221: sec2 = ""
222: sec3 = ""
223: sec4 = ""

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224: sec5 = ""
225:
226: style = ""
227: note_num = 0
228: note_data = "<br><hr>\n<h3><a name=\"thu\">注</a></h3>\n<p class=\"thu\">
. \n"
229:
230: table_no = 0
231: td_no = 1
232: tr_no = 1
233: tdwidth = []
234:
235: b_start = '</head>\n<body>\n<div id="contents">\n'
236: b_end = '</p>\n</div>\n</body>\n</html>'
237:
238: tex = '<span class="lt">T</span><span class="le">E</span>X'
239: latex = '<span class="ll">L</span><span class="la">A</span>' + tex
240: latexe = latex + ' <span class="l2">2</span><span class="lee">&#949;</span>'
241:
242: newcombefor = []
243: newcomafter = []
244:
245: contents = "<div class=\"mokuji\"><h3>目 次</h3>\n"
246:
247: #####
248: ## 関数定義 パーツ
249: #####
250:
251: ## verbatim
252: def f_signal1(all):
253:     all = all.replace('&', '&amp;')
254:     all = all.replace('\ ', '&#165;')
255:     all = all.replace('<', '&lt;')
256:     all = all.replace('>', '&gt;')
257:     all = all.replace('%', '&#37;')
258:     return all
259:
260: def f_verbase(all):
261:     all = f_signal1(all)
262:     all = '<code>' + all + '</code>'
263:     return all

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264:
265: def f_verbatim(m):
266:     all = m.group(1)
267:     all = '<pre>' + f_verbase(all) + '</pre>\n'
268:     return all
269:
270: def f_verb1(m):
271:     key = m.group(1)
272:     all = m.group(0)
273:     all = all.replace(key,"-;=",2)
274:     all = re_verb2.sub(f_verb2,all)
275:     return all
276:
277: def f_verb2(m):
278:     all = m.group(1)
279:     all = f_verbase(all)
280:     return all
281:
282: ## comment
283: def f_comment(m):
284:     all = m.group(2)
285:     all = f_signal1(all)
286:     all = m.group(1) + "<!--" + all + "-->"
287:     return all
288:
289: re_fontsize = re.compile(r'([0-9\.]+?)pt')#フォントサイズ処理
290:
291: ## \documentclass
292: def f_header(m):
293:     global title, subtitle, author, date, style, fontsize
294:     if m.group(2) != "jsarticle":
295:         print "This Class-Type is "+ m.group(2)
296:         exit()
297:     if m.group(1) != None:
298:         option = m.group(1)
299:         fs = re_fontsize.search(option)
300:         fontsize = float(fs.group(1))
301:
302:     header = ""<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//
. EN"
303:     "http://www.w3.org/TR/html4/loose.dtd">

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304: <html lang="ja">
305: <head>
306: <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
307: <meta http-equiv="Content-Style-Type" content="text/css">
308: <link rel="stylesheet" type="text/css" href="./style.css" title=default>
309: <link rel="stylesheet" type="text/css" href="./style_table_%s.css" title=default>
310: ""%(file_name[:-4])
311:     m = re_parindent.search(data) #parindent処理
312:     if m != None:
313:         style = '<style type="text/css">\n<!--\nbody{font-size:'+ str(fontsize)
314:         . + 'pt;}\np{text-indent:'+ m.group(1) +';}\n-->\n</style>\n'
315:         elif m == None and re_easylayout.search(data): #parindentがない EasyLayoutがあ
316:         . る
317:         style = '<style type="text/css">\n<!--\nbody{font-size:'+str(fontsize)
318:         . + 'pt;}\np{text-indent:0;}\n-->\n</style>\n'
319:         header += style + '<title></title>\n'
320:         return header
321:
322: ## 箇条書き
323: def f_enumerate(m):
324:     all = "<ol>" + m.group(1) + "</ol>"
325:     while re_item.search(all):
326:         all = re_item.sub('<li>\\1',all)
327:     return all
328:
329: def f_itemize(m):
330:     all = "<ul>" + m.group(1) + "</ul>"
331:     while re_item.search(all):
332:         all = re_item.sub('<li>\\1',all)
333:     return all
334:
335: def f_description(m):
336:     all = "<dl compact>" + m.group(1) + "</dl>"
337:     while re_item2.search(all):
338:         all = re_item2.sub('<dt><b>\\1</b></dt><dd>\\2</dd>',all)
339:     return all
340:
341: ##画像回り込み
342: def f_wrap(m):
343:     side = ""
344:     widthdata = "<!-- wrapfigure_memo:" + m.group(2) + "-->\n"

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342:     if m.group(1) == "l":
343:         side = "left"
344:     elif m.group(1) == "r":
345:         side = "right"
346:     all = m.group(3)
347:     all = re_tag_img.sub('<img\\1 align="'+ side + '">',all)
348:     #all += '<br clear=all">\n' 回り込みクリア用
349:     return all
350:
351: ## 強調
352: def f_emph(m):
353:     all = m.group(1)
354:     if all.count('<em>') == 1 and all.count('<strong>'):
355:         all = all.replace("em","strong")
356:     all = "<em>" + all + "</em>"
357:     return all
358:
359: ## 注
360: def f_note(m):
361:     global note_num,note_data
362:     note_num += 1
363:     num = str(note_num)
364:     note_data += '<a href="#note'+ num +'to" name="note'+ num+'">(' + num + ')</
    . a> '+m.group(1) + '<br>\n'
365:     number = '<sup><a href="#note'+ num +'to" name="note'+ num +'to">(注'+ num
    . +')</a></sup>'
366:     return number
367:
368: ## \raisebox{ }{ }      -> 内容が{}されていないものは未対応
369: def f_raisebox(m):
370:     num = f_tani(m.group(2))
371:     if m.group(1) == "-":
372:         num = "-" + num
373:     text = m.group(3)
374:     all = '<span style="position:relative;bottom:'+ num +';">' + text + '</span>'
375:     return all
376:
377: ## rule[ ]{ }{ }      -> ブロック要素に
378: def f_rule(m):
379:     set = ""
380:     if m.group(1) != None:

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381:         set = " bottom:" + m.group(2) + f_tani(m.group(3)) + ";"
382:         width = f_tani(m.group(4))
383:         height = f_tani(m.group(5))
384:         all = '<hr class="rule" style="position:relative;' + set + ' width:' + width + ';'
    . height:' + height + ';'>'
385:         return all
386:
387: def f_tani(num):      # 单位变换 zw,zh -> pt
388:     global zwh
389:     tani = num[-2:]
390:     num = num[:-2]
391:     num = re_zero.sub("0.",num)  # .[0-9]对应
392:     if tani == "zw":
393:         tani = "pt"
394:         num = str(float(num) * zwh)
395:     elif tani == "zh":
396:         tani = "pt"
397:         num = str(float(num) * zwh)
398:     all = num + tani
399:     return all
400:
401: ### 空白#####
402: ## \vspace{}
403: def f_vspace(m):
404:     global zwh
405:     num = m.group(2)
406:     item = ""
407:     if num == "":
408:         item = '<div class="vsn">&#160;</div>'
409:     else:
410:         if re.search('^\. ',num):
411:             num = "0" + num
412:             num = str(float(num) * zwh)
413:             if m.group(1) == "-":
414:                 num = "-" + num
415:             else:
416:                 item = '<div style="line-height:' + num + 'pt;">&#160;</div>'
417:         return item
418:
419: ## \hspace{}
420: def f_hspace(m):

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421:     global zwh
422:     num = m.group(1)
423:     tani = m.group(2)
424:     if tani == "zw":
425:         num = str(float(num) * zwh)
426:         tani = "pt"
427:     elif tani == "zh":
428:         print "未対応\n hspase:" + tani
429:     if re.search('^\\.\\.',num):
430:         num = "0" + num
431:     item = '<span style="letter-spacing:' + num + tani +';">&#160;</span>'
432:     return item
433:
434: def f_hspacem(m):
435:     global zwh
436:     num = m.group(1)
437:     tani = m.group(2)
438:     if tani == "zw":
439:         num = str(float(num) * zwh)
440:         tani = "pt"
441:     if re.search('^\\.\\.',num):
442:         num = "0" + num
443:     item = '<span style="position:relative; left:-'+ num + tani +';">' + m.group(3) +
. '</span>'# + m.group(4)
444:     print m.group(3)+"\n\n"
445:     #item = '<span style="position:relative; left:-'+ num + tani +'; letter-spacing:-'+
. num + tani +';">' + m.group(3) + '</span>'# + m.group(4)
446:     return item
447:
448: ## \section #####
449: def f_section(data):
450:     data = re_part.sub(f_prepart,data)
451:     data = re_section.sub(f_presec, data)
452:     data = re_subsection.sub(f_presubsec, data)
453:     data = re_subsubsection.sub(f_presubsubsec, data)
454:     data = re_paragraph.sub(f_preparag,data)
455:     if re_part.search(data):
456:         data = re_par.sub(f_part,data)
457:     else:
458:         data = re_sec.sub(f_sec,data)
459:     return data

```

```

460:
461: #####section事前処理
462: def f_prepart(m):
463:     all = '</p>\n<!--endpart-->\n' + m.group(0)
464:     return all
465: def f_presec(m):
466:     all = '</p>\n<!--endsec-->\n' + m.group(0)
467:     return all
468: def f_presubsec(m):
469:     all = '</p>\n<!--endsubsec-->\n' + m.group(0)
470:     return all
471: def f_presubsubsec(m):
472:     all = '</p>\n<!--endsubsubsec-->\n' + m.group(0)
473:     return all
474: def f_preparag(m):
475:     all = '</p>\n<!--endparag-->\n' + m.group(0)
476:     return all
477: #####section本処理
478: def f_sub2(m):
479:     global subsubsection,sec3,sec4
480:     subsubsection += 1
481:     sec4 = sec3 + '.' + str(subsubsection)
482:     all = m.group(0)
483:     all = re_subsubsection.sub('<h4 class="subsubsection">' + sec4 + '\\1</h4>
    . \n<p>\n',all)
484:     #all = re_subsubsection.sub(f_sub2,all)
485:     return all
486:
487: def f_sub(m):
488:     global subsection, subsubsection ,sec2,sec3,contents
489:     subsection += 1
490:     subsubsection = 0
491:     sec3 = sec2 + '.' + str(subsection)
492:     all = m.group(0)
493:     all = re_subsection.sub('<h3 class="subsection"><a name="m'+ sec3 +'">' + sec3
    . +' \\1</a></h3>\n<p>\n',all)
494:     text = (re_midashi3.search(all)).group(1)
495:     contents += '<p> <a href="#m'+ sec3 +'">' + text + '</a></p>\n'
496:     all = re_subsubsection.sub(f_sub2,all)
497:     return all
498:

```

```

499: def f_sec(m):
500:     global section,subsection,sec1,sec2,contents
501:     section += 1
502:     subsection = 0
503:     all = m.group(0)
504:     sec = m.group(1)
505:     sec2 = sec1 + str(section)
506:     all = re_section.sub('<h2 class="section"><a name="m'+ sec2 +'">' + sec2 + ' \
    . \1</a></h2>\n<p>\n',all)
507:     text = (re_midashi2.search(all)).group(1)
508:     contents += '<p><a href="#m'+ sec2 +'">' + text + '</a></p>\n'
509:     all = re_sub.sub(f_sub,all)
510:     return all
511:
512: #####part处理
513: def f_part(m):
514:     global part,sec1
515:     all = m.group(0)
516:     text = m.group(1)
517:     part += 1
518:     all = re_part.sub('<h1 class="part">' + str(part) + ' \1</h1>\n<p>\n',all)
519:     sec1 = str(part) + "."
520:     all = re_sec.sub(f_sec,all)
521:     return all
522:
523: #####
524: ## \minibox #####
525: def f_page(m):
526:     all = m.group(0)
527:     if re_pcome.search(all):
528:         return all
529:     else:
530:         style = ""
531:         width = m.group(3)
532:         if m.group(2) == 'boxed':
533:             style = ' border: 1px solid black;'
534:             mae = ""
535:             ato = ""
536:             if m.group(1) != None:
537:                 mae = m.group(1)
538:             if m.group(6) != None:

```

```

539:         ato = m.group(6)
540:         tag = mae + '<div class="box" style="width:' + width + '%;' + style + '">' +
. m.group(4) + '</div>'+ ato
541:         return tag
542:
543: def f_pagew(m):
544:     all = m.group(0)
545:     cont = m.group(3)
546:     if re_pagepart.search(cont):
547:         if re_page.search(all):
548:             all = re_page.sub(f_page,all,1)
549:         return all
550:     cont = m.group(7)
551:     if re_pagepart.search(cont):
552:         if re_page.search(all):
553:             all = re_page.sub(f_page,all,1)
554:         return all
555:     width1 = m.group(2)
556:     width2 = m.group(6)
557:     style1 = ""
558:     style2 = ""
559:     nonpre = " padding:10px"
560:     if m.group(1) == 'boxed':
561:         style1 = ' border:1px solid black;'
562:     if m.group(5) == 'boxed':
563:         style2 = ' border:1px solid black;'
564:     if not re_prev.search(m.group(7)):
565:         style2 += 'margin-top:5px; padding:10px;'
566:         width2 = str(float(width2) -2.25)
567:     tag1 = '<div style="width:' + width1 + '%; float:left;' + style1 + '">\n' + m.group(3)
. + '\n</div>\n'
568:     tag2 = '<div style="width:' + width2 + '%; float:left;' + style2 + '">\n' + m.group(7)
. + '\n</div>\n'
569:     cont = '<div class="box">' + tag1 + tag2 + '<br style="clear:both;"></div>\n'
570:     return cont
571:
572: ### 表 #####
573: def f_table(m):
574:     global table_no,td_no ,test1
575:     table_no += 1
576:     td_no = 1

```

```

577: set = m.group(1)
578: all = m.group(2)
579: table = '<table class="table'+ str(table_no) +'">\n'
580: table += f_test(all,set)
581: table += '</table>\n'
582: return table
583:
584: def f_tablex(m):
585:     global tdwidth
586:     tdwidth = []
587:     all = m.group(0)
588:     all = re_tablexp.sub(f_tablexp,all)
589:     table = re_tablex2.sub(f_tablex2,all)
590:     return table
591:
592: def f_tablexp(m):
593:     global tdwidth
594:     p = m.group(1)
595:     tdwidth.append(p)
596:     return
597:
598: def f_tablex2(m):
599:     global table_no,td_no
600:     table_no += 1
601:     td_no = 1
602:     width = m.group(1)
603:     set = m.group(2)
604:     all = m.group(3)
605:     if width[-2:] == 'cm':
606:         width = width[:-2]
607:         width = float(width) * 40
608:         width = str(width) + "px"
609:     table = '<table class="table'+ str(table_no) +'" width="'+ width +'">\n'
610:     table += f_test(all,set)
611:     table += '</table>\n'
612:     return table
613:
614: def f_test(all,set):
615:     global table_no, td_no, tr_no
616:     linum = 0
617:     tr_no = 1

```



```

618:     style_yoko = []
619:     style = ""
620:     trdata = ""
621:     style_tate = f_tate(set)
622:     # 横
623:     style_st = 'border-top:1px solid black;'
624:     style_sb = ' border-bottom:1px solid black;'
625:     style_dt = 'border-top:2px solid black;'
626:     style_db = ' border-bottom:2px solid black;'
627:     all = re_bb.sub("</td></tr>\nll",all)
628:     line = all.split("ll")
629:     for it in line:
630:         linum += 1
631:         if re_thlinew.search(it):    #二重線
632:             style_t = style_dt
633:             style_b = style_db
634:             if re_trtds.search(it):
635:                 style = style_t
636:                 style_yoko.append(style)
637:                 td_no = 1
638:                 it = re_tdand.sub(f_tdand,it)
639:                 trdata += '<tr class="t' + str(table_no) + 'tr'+ str(tr_no) + "'>
. \n<td class="t' +str(table_no)+'td1">' + it
640:                 tr_no += 1
641:             else:
642:                 if linum == 1:
643:                     style = style_t
644:                     style_yoko.append(style)
645:                 else:
646:                     style = style_yoko.pop()
647:                     style += style_b
648:                     style_yoko.append(style)
649:         elif re_thline.search(it):    #直線
650:             style_t = style_st
651:             style_b = style_sb
652:             if re_trtds.search(it):
653:                 style = style_t
654:                 style_yoko.append(style)
655:                 td_no = 1
656:                 it = re_tdand.sub(f_tdand,it)
657:                 trdata += '<tr class="t' + str(table_no) + 'tr'+ str(tr_no) + "'>

```

```

657: \n<td class="t' +str(table_no)+'td1">' + it
658:         tr_no += 1
659:     else:
660:         if linum == 1:
661:             style = style_t
662:             style_yoko.append(style)
663:         else:
664:             style = style_yoko.pop()
665:             style += style_b
666:             style_yoko.append(style)
667:     trdata = re_thline.sub("",trdata)
668:     re_dusttable = re.compile(r'[\n\s]*(</?td.+?>)[\n\s]*')
669:     trdata = re_dusttable.sub('\n',trdata)
670:     #横連結
671:     trdata = re_mcolumn.sub(f_mcolumn,trdata)
672:     css = ""
673:     i = 1
674:     for j in style_yoko:
675:         css += 'table tr.t' +str(table_no)+'tr' + str(i) + ' td{\n\t'+ j +'\n}\n'
676:         i += 1
677:     i = 1
678:     for j in style_tate:
679:         css += 'table td.t' +str(table_no)+'td' + str(i) + '{\n\t'+ j +'\n}\n'
680:         i += 1
681:     ss = open("output/style_table_" + file_name[:-4]+".css","a")
682:     ss.write(css)
683:     ss.close()
684:     return trdata
685:
686: def f_tdand(all): ###&->td
687:     global table_no, td_no
688:     td_no += 1
689:     tag = '</td><td class="t' +str(table_no)+'td'+ str(td_no) +'">'
690:     return tag
691:
692: def f_tate(all): ###縦線lcrの処理
693:     sord = re.compile(r'(sld)')
694:     clr = re.compile(r'(cllr)')
695:     all = all.replace('ll','d')
696:     all = all.replace('l','s')
697:     all = all.replace(' ','')

```

```

698: solid = 'border-left:1px solid black; '
699: duple = 'border-left:2px solid black; '
700: line = 0
701: style_data = []
702: k = 0
703: for item in all:
704:     style = ''
705:     if item == 's':
706:         line = 1
707:     elif item == 'd':
708:         line = 2
709:     else:
710:         if line == 1:
711:             style = solid
712:             line = 0
713:         elif line == 2:
714:             style = duple
715:             line = 0
716:         if item == 'c':
717:             style += 'text-align:center;'
718:         elif item == 'r':
719:             style += 'text-align:right;'
720:         else:
721:             style += 'text-align:left;'
722:         if item == 'p':
723:             global tdwidth
724:             style += ' width:'+ tdwidth[k]
725:             k += 1
726:         style_data.append(style)
727: if line != 0:
728:     style = style_data.pop()
729:     if line == 1:
730:         style += ' border-right:1px solid black;'
731:     else:
732:         style += ' border-right:2px solid black;'
733:     style_data.append(style)
734: return style_data
735:
736: def f_mcolumn(m):
737:     sel = m.group(2)
738:     set = m.group(3)

```

```

739: text = m.group(4)
740: class1 = m.group(1)
741: if m.group(5) == "</tr>":
742:     end = m.group(5)
743: else:
744:     re_tdclass = re.compile(r'(t[0-8]+td)([0-9]+)')
745:     sel2 = re_tdclass.sub('\2',class1)
746:     sel2 = int(sel2) + int(sel)
747:     class2 = m.group(6)
748:     class2 = re_tdclass.sub('\1', class2)
749:     class2 = class2 + str(sel2)
750:     end = '<td class="' + class2 + '>'
751: set = set.replace('||','d')
752: set = set.replace('|','s')
753: set = set.replace(' ','')
754: style = 'style='
755: i = 0
756: for item in set:
757:     i += 1
758:     if i == 1:
759:         if item == 's':
760:             style += 'border-left:1px solid black; '
761:         elif item == 'd':
762:             style += 'border-left:2px solid black; '
763:         else:
764:             style += 'border-width-left:0px; border-style-left:none;'
765:     elif i == 2:
766:         if item == 'l':
767:             style += 'text-align:left;'
768:         elif item == 'c':
769:             style += 'text-align:center;'
770:         else:
771:             style += 'text-align:right;'
772:     else:
773:         if item == 's':
774:             style += ' border-right:1px solid black;'
775:         elif item == 'd':
776:             style += ' border-right:2px solid black;'
777:         else:
778:             style += 'border-width-right:0px; border-style-left:none;'
779: style += ''

```

```

780:     tag = '<td class="' + class1 +'" colspan="' + str(sel)+'" ' + style + '>' + text + '</
. td>' + end
781:     return tag
782:
783: def f_mrow(m):
784:     sel = m.group(1)
785:     set = m.group(2)
786:     text = m.group(3)
787:     tag = '<td rowspan="' + str(sel)+'">' + text
788:     return tag
789:
790: #####
791: ## \newcommand{ }{ }
792: def f_newcommand(m):
793:     global newcombefor, newcomafter
794:     befor = "{" + m.group(1) + "}"
795:     after = m.group(2)
796:     after = re_dustblank.sub("",after)
797:     after = re_tag_comment.sub("",after)
798:     newcombefor.append(befor)
799:     newcomafter.append(after)
800:     return
801:
802: ## title
803: def f_maketitle(m):
804:     global title,subtitle,author,date
805:     titles = '<div class="maketitle">\n<h1>%s</h1>\n' %(title)
806:     if subtitle != "":
807:         titles += '<h2>%s</h2>\n' %(subtitle)
808:     titles += '<h3>%s</h3>\n<h4>%s</h4>\n</div>\n' %(author,date)
809:     return titles
810:
811: def f_title2(title,subtitle):#ヘッダー用
812:     title2 = re_tag.sub("",title)
813:     if subtitle != "":
814:         subtitle2 = re_tag.sub("",subtitle)
815:         title2 = title2 + subtitle2
816:     # 表記処理
817:     title2 = title2.replace("LATEX","LaTeX")
818:     title2 = title2.replace("TEX","TeX")
819:     return title2

```

```

820:
821: def f_acbody(m): #<body>以下<pre>以外
822:     all = m.group(0)
823:     ## ソース整備
824:     all = re_br.sub("\n<br>\n",all) # 2個以上連続する\n-><br>
825:     all = all.replace("<p> </p>","") # 空白段落を削除
826:     all = re_nonbr1.sub("\\1",all) # 段落タグ前後の<br>の処理
827:     all = re_nonbr2.sub("\\1",all)
828:     ## ごみ処理
829:     all = re_dustcoment.sub("", all) # 仮設コメントの削除
830:     #改行コード処理
831: #     all = all.replace("\n","\r\n") #Linux -> Windows & Mac
832:     return all
833:
834: ## プリアンブル処理
835: def f_preamble(m):
836:     pre = file_name + "\n-----\n"
837:     pre += m.group(3) + "\n-----\n\n"
838: #     pre = pre.replace("\n","\r\n") #Linux -> Windows & Mac
839:     pf = open("output/pre_"+ file_name[:-4]+".txt", "w")
840:     pf.write(pre)
841:     pf.close()
842:     return m.group(0)
843:
844: #####
845: # EasyLayout
846:
847: ###文献表
848: def f_bunken(m):
849:     global contents
850:     all = m.group(1)
851:     all = all.replace('\tume',"")
852:     all = re_item3.sub("<dt>\\1</dt><dd>\\3(\\2)</dd>",all)
853:     all = re_item4.sub("<dt>\\1</dt><dd>\\2</dd>",all)
854:     all = re_item.sub("<dt>\\1</dt><dd></dd>",all)
855:     all = "<h3><a name=\"bunken\">文献表</a></h3>\n<dl>"+ all +"</dl>"
856:     contents += '<p><a href="#bunken">文献表</a></p>\n'
857:     return all
858:
859:
860: #####

```

```

861: #####
862: ## 実行ブロック
863: #####
864: ## 事前処理
865: def f_preaction(data):
866:     data = re_pream.sub(f_preamble,data,1)
867:     ##<pre><code>
868:     while re_pers.search(data):
869:         m = (re_pers.search(data)).group(2)
870:         if m == "verb":
871:             data = re_verb.sub(f_verb1,data,1)
872:         elif m == "verbatim":
873:             data = re_verbatim.sub(f_verbatim,data,1)
874:         elif m == "Verbatim":
875:             data = re_vverbatim.sub(f_verbatim,data,1)
876:         else:
877:             print "ERROR:verbatim->" + m
878:     ##<!---->
879:     data = re_comment.sub(f_comment, data)
880:     ##記号
881:     data = data.replace('\$','$')
882:     data = data.replace('\&','&')
883:     data = data.replace('\%','%')
884:     data = data.replace('\#','#')
885:     data = data.replace('\_','_')
886:     data = data.replace('\{','{')
887:     data = data.replace('\}','}')
888:     data = data.replace('\$\\backslash$','/')
889:     data = data.replace("{\\char'176}",'^')#~
890:     data = data.replace("{\\char'136}",'~')#^
891:     data = data.replace('$<$','<')
892:     data= data.replace('$>$','>')
893:     ##HTML形成
894:     data = re_class.sub(f_header, data)
895:     data = re_b_document.sub(b_start,data)
896:     data = re_e_document.sub(b_end,data)
897:     return data
898:
899: def f_action1(data):
900:     global tex,latex,tex,today
901:     ## 単純処理

```

```

902:     ## TeXロゴ #####
903:     data = re_latex.sub('<span class="logo_tex">' + latexe + '</span>',data)
904:     data = re_latex.sub('<span class="logo_tex">' + latex + '</span>',data)
905:     data = re_tex.sub('<span class="logo_tex">' + tex + '</span>', data)
906:     ## 記号
907:     data = data.replace('""', '')
908:     data = data.replace('\ldots', '...')
909:     data = data.replace('\dag', '&#134;')
910:     data = data.replace('\ddag', '&#135;')
911:     data = data.replace('\S', '&#167;')
912:     data = data.replace('\P', '&#182;')
913:     data = data.replace('\copyright', '&#169;')
914:     data = data.replace('\pounds', '&#163;')
915:     data = data.replace('\textregistered', '&#174;')
916:     data = data.replace('\texttrademark', '&#153;')
917:     data = data.replace('\textasciitilde', '~')
918:     ## \today
919:     data = data.replace('\today', today)
920:     ## 改ページ -> <hr>
921:     data = re_newpage.sub('<hr class="newpage">',data)
922:     #スペース制御
923:     data = re_onesp.sub(" ",data)
924:     #data = re_nonsp.sub("",data)
925:     #その他
926:     data = data.replace('{[','[')
927:     data = data.replace(']}',']')
928:     data = data.replace(",")
929:     return data
930:
931: def f_action2(data):
932:     ##### 引数を取る
933:     ## 文字サイズ
934:     data = re_huge1.sub('<span class="huge1">\1 </span>',data)
935:     data = re_huge2.sub('<span class="huge2">\1 </span>',data)
936:     data = re_large1.sub('<span class="large1">\1 </span>',data)
937:     data = re_large2.sub('<span class="large2">\1 </span>',data)
938:     data = re_large3.sub('<span class="large3">\1 </span>',data)
939:     data = re_normalsize.sub('<span class="normalsize">\1 </span>',data)
940:     data = re_small.sub('<span class="small">\1 </span>',data)
941:     data = re_footnotesize.sub('<span class="footnotesize">\1 </span>',data)
942:     data = re_scriptsize.sub('<span class="scriptsize">\1 </span>',data)

```



```

943: data = re_tiny.sub('<span class="tiny">\1 </span>',data)
944: ## 文字の修飾 #####
945: data = re_t_df.sub('<span class="t_df">\2</span>',data)
946: data = re_t_bf.sub("<b>\1</b>", data)
947: data = re_t_it.sub('<i>\1</i>', data)
948: data = re_t_sl.sub('<span class="t_sl">\1</span>',data)
949: data = re_t_sc.sub('<span class="t_sc">\1</span>',data)
950: data = re_t_sf.sub('<span class="t_sf">\1</span>',data)
951: data = re_t_tt.sub("<tt>\1</tt>",data)
952: data = re_u_line.sub('<u>\2</u>',data)
953: ## color #####
954: data = re_color.sub("<span style=\"color:\1;\">\2</span>",data)
955: ## 画像 #####
956: data = re_img.sub('<!--img_memo:\1-->',data)
957: return data
958:
959: def f_action3(data):
960:     ##### 引数を取る&内包する
961:     data = re_emph.sub(f_emph,data) ## emph
962:     data = re_makebox.sub('<div class="makebox">\2</div>',data) ##
    . \makebox
963:     data = re_footnote.sub(f_note,data)## \footnote
964:     data = re_raisebox.sub(f_raisebox,data) ## \raisebox
965:     data = re_raisebox.sub(f_raisebox,data)
966:     data = re_raisebox2.sub(f_raisebox,data)
967:     data = re_rule.sub(f_rule, data) ## \rule
968:     data = f_section(data) ## \section
969:     return data
970:
971: def f_blank(data):
972:     ##### \vspace, \hspace
973:     data = re_vspace.sub(f_vspace,data)
974:     data = re_vspace.sub(f_vspace,data)
975:     data = re_hspace.sub(f_hspace,data)
976:     data = re_hspacem.sub(f_hspacem,data)
977:     data = re_vspace.sub(f_vspace,data)
978:     data = re_vspace.sub(f_vspace,data)
979:     data = re_hspace.sub(f_hspace,data)
980:     data = re_hspacem.sub(f_hspacem,data)
981:     return data
982:

```

```

983: ## 環境
984: def f_env(m):
985:     data = m
986:     #寄せ
987:     data = re_center.sub('<div class="center">\1</div>\n', data)
988:     data = re_flushright.sub('<div class="flushright">\1</div>\n', data)
989:     data = re_flushleft.sub('<div class="flushleft">\1</div>\n', data)
990:     data = re_quotation.sub('<blockquote>\1</blockquote>\n', data)
991:     #簡条書き
992:     data = re_itemize.sub(f_itemize,data)
993:     data = re_enumerate.sub(f_enumerate,data)
994:     data = re_description.sub(f_description,data)
995:     #画像の回り込み
996:     data = re_wrapfigure.sub(f_wrap,data)
997:     #表
998:     data = re_table.sub(f_table,data)
999:     data = re_tablex.sub(f_tablex,data)
1000:     #minibox
1001:     data = re_w.sub(f_pagew, data)
1002:     data = re_w.sub(f_pagew, data)
1003:     data = re_page.sub(f_page,data)
1004:     return data
1005:
1006: #####
1007: ## 実行処置
1008: #####
1009: ## 事前処理
1010: data = f_preaction(data) ## verb % 特殊記号 HTML形成
1011: ## ごみ処理 前
1012: data = re_dust1.sub(",data)
1013: data = re_dust2.sub(",data) #EasyLayout用コマンド
1014: data = data.replace('\vspace*{-\intextsep}', "") #ゴミ処理?
1015: ## 未対応処理 data = data.replace(",")
1016: data = data.replace('\hfill',"") # -> 横方向バネの空白
1017: data = data.replace('\vspace\{\fill\}', "") # -> 縦方向バネの空白
1018:
1019: i = 0
1020: while i < 5:
1021:     data = f_action1(data) ##TeXロゴ、\today,\newpage
1022:     data = f_action2(data) ##文字サイズ&修飾, 画像
1023:     data = f_action3(data) ##\makebox, \footnote

```

```

1024: data = f_blank(data) ##空白
1025: data = f_env(data) ## 環境
1026: data = f_env(data)
1027: ## コマンド定義
1028: data = re_newcommand.sub(f_newcommand,data)
1029: for befor,after in zip(newcombefor,newcomafter):
1030:     befor = befor.replace("{","")
1031:     befor = befor.replace("}","")
1032:     data = data.replace(befor,after)
1033:     i += 1
1034:
1035: #####
1036: #####
1037: ## title
1038: if re_title.search(data):
1039:     title = (re_title.search(data)).group(1)
1040: if re_subtitle.search(data):
1041:     subtitle = (re_subtitle.search(data)).group(1)
1042:     subtitle = " — "+ subtitle + " — "
1043: if re_author.search(data):
1044:     author = (re_author.search(data)).group(1)
1045:     author = author.replace("\\and "," ")
1046: if re_date.search(data):
1047:     date =(re_date.search(data)).group(1)
1048: #maketitle
1049: data = re_maketitle.sub(f_maketitle,data)
1050: #<title>
1051: data = data.replace('<title></title>','<title>'+ f_title2(title,subtitle) +'</title>')
1052: #####
1053: ##EasyLayout 文献表
1054: data = re_bunken.sub(f_bunken,data)
1055: ## 挿入部分 #####
1056: end = '<div class="note">\n'
1057: # 注
1058: if note_data != '<br><hr>\n<h3><a name="thu">注</a></h3>\n<p class="thu">\n':
1059:     note_data += "</p>\n"
1060:     end += note_data
1061:     contents += '<p><a href="#thu">注釈</a></p>\n'
1062: end += '</div>\n'
1063: data = data.replace('</body>','end + '</body>')
1064: ##目次

```

```
1065: data = re_mokuji.sub(contents,data)
1066: #####
1067: #####
1068: ## HTML体裁
1069: #プレアンブル処理
1070: data = re_preamble.sub("</title></head>",data)
1071: #ごみ処理後
1072: data = re_area.sub(f_acbody,data) #<body>以下<pre>以外
1073: #####
1074: ## 出力
1075: #print data
1076: h = open("output/"+ htmlfile,"w")
1077: h.write(data)
1078: h.close()
1079:
```

1079:
1080: 対応コマンド一覧
1081:
1082: \documentclass[{}]{jsarticle}
1083: \verb
1084: %
1085: \title{}
1086: \subtitle{}
1087: \author{}
1088: \and
1089: \date
1090: \today
1091: \maketitle
1092: \parindent
1093: \@
1094: \,
1095: ~
1096: \\
1097: \par
1098: \TeX
1099: \LaTeX
1100: \LaTeXe
1101: \newpage
1102: {\Huge }
1103: {\huge }
1104: {\LARGE }
1105: {\Large }
1106: {\large }
1107: {\normalsize }
1108: {\small }
1109: {\footnotesize }
1110: {\scriptsize }
1111: {\tiny }
1112: \textup{}
1113: \textmd{}
1114: \textrm{}
1115: \textbf{}
1116: \textit{}
1117: \textsl{}
1118: \textsc{}
1119: \textsf{}

1120: \texttt{}
1121: \underline{}
1122: \Underline{}
1123: \emph{}
1124: \includegraphics[[]]{}
1125: \raisebox{}{}
1126: \rule[[]]{}
1127: \vspace{}
1128: \vspace*{}
1129: \hspace{}
1130: \hspace*{}
1131: \makebox[[]]{}
1132: \part{}
1133: \section{}
1134: \subsection{}
1135: \subsubsection{}
1136: \footnote{}
1137: \newcommand{}{}
1138: \item
1139: \\$
1140: \&
1141: \%
1142: \#
1143: _
1144: \{
1145: \}
1146: \\$\backslash\$\\$
1147: {\char'136}
1148: {\char'176}
1149: \$<\$
1150: \$>\$
1151: \hline
1152: \multicolumn{}{}{}
1153: \multirow{}{}{}
1154: p{}
1155: "
1156: \ldots
1157: \dag
1158: \ddag
1159: \S
1160: \P

1161: \copyright
1162: \pounds
1163: \textregistered
1164: \texttrademark
1165: \textasciitilde
1166: {[
1167:]}
1168: \begin{document}\end{document}
1169: \begin{verbatim}\end{verbatim}
1170: \begin{Verbatim}\end{Verbatim}
1171: \begin{center}\end{center}
1172: \begin{flushright}\end{flushright}
1173: \begin{flushleft}\end{flushleft}
1174: \begin{quotation}\end{quotation}
1175: \begin{itemize}\end{itemize}
1176: \begin{enumerate}\end{enumerate}
1177: \begin{description}\end{discription}
1178: \begin{wrapfigure}{}{}\end{wrapfigure}
1179: \begin{minipage}{}\end{minipage}
1180: \begin{boxedminipage}\end{boxedminipage}
1181: \begin{tabular}{}\end{tabular}
1182: \begin{tabularx}{}\end{tabularx}
1183: {\color{}}
1184: \tableofcontents
1185:
1186: パッケージ EasyLayout
1187: \後注
1188: \タイトルページ
1189: \目次
1190: \begin{文献表}\Year{}\end{文献表}