

## 1 Package header

```
1 \*package>
2 \@@=yoin>
```

Necessary packages: First,  $\text{\LaTeX}$ 3 stuff.

```
3 \RequirePackage{expl3,l3keys2e,l3regex,xparse}
```

From zref bundle, for computing the total number of pages of an article.

```
4 \RequirePackage{zref-totpages}
```

We need the absolute paths. This also means we need `-recorder` option to `pdflatex`.

```
5 \RequirePackage[abspath]{currfile}
```

For including PDF files.

```
6 \RequirePackage{pdfpages}
```

Package header.

```
7 \ProvidesExplPackage{yoin}{2016/02/28}{v0.0.1}{Joining articles into issues}
```

## 2 General macros

Macros not necessarily related to the package; moreorless an addition to  $\text{\LaTeX}$ 3.

`\yoin_seq_gappend_clist:Nn` Globally append `clist` #2 to `seq` #1.

```
8 \cs_new_protected:Nn \yoin_seq_gappend_clist:Nn {
9   \seq_set_from_clist:Nn \l__yoin_tmpa_seq { #2 }
10  \seq_gconcat:NNN #1 #1 \l__yoin_tmpa_seq
11 }
```

`\yoin_keys_set_from_file:nn` Read a file #2 containing a key–value list and set the keys for #1. No checks are done here, nothing like comments could be used, the keys should be separated by a comma (and spaces of course as needed).

```
12 \tl_new:N \l__yoin_keys_tmpa_tl
13 \cs_new_protected:Nn \yoin_keys_set_from_file:nn {
14   \tl_set_from_file:Nnn \l__yoin_keys_tmpa_tl { } { #2 }
15   \keys_set:nV { #1 } \l__yoin_keys_tmpa_tl
16 }
17 \cs_generate_variant:Nn \keys_set:nn { nV }
```

`\yoin_keyval_parse_from_file:nn` Read a file #2 containing a key–value list and set the keys for #1. No checks are done here, nothing like comments could be used, the keys should be separated by a comma (and spaces of course as needed).

```
18 \cs_new_protected:Nn \yoin_keyval_parse_from_file:NNn {
19   \tl_set_from_file:Nnn \l__yoin_keys_tmpa_tl { } { #3 }
20   \keyval_parse:NNV #1 #2 \l__yoin_keys_tmpa_tl
```

```

21 }
22 \cs_generate_variant:Nn \keyval_parse:NNn { NNv }

```

### 3 Key-value interface for the package setup

First, we define the variables to store the keys.

`\g_yoin_subprocess_bool` Booleans:

```

\g_yoin_article_bool 23 \bool_new:N \g_yoin_subprocess_bool
\g_yoin_dryrun_bool 24 \bool_new:N \g_yoin_article_bool
\g_yoin_onlyflags_bool 25 \bool_new:N \g_yoin_dryrun_bool
\g_yoin_onlytags_bool 26 \bool_new:N \g_yoin_onlyflags_bool
27 \bool_new:N \g_yoin_onlytags_bool

```

`\g_yoin_flags_seq` Sequences for flags, tags and their filtering:

```

\g_yoin_tags_seq 28 \seq_new:N \g_yoin_flags_seq
\g_yoin_onlyflags_seq 29 \seq_new:N \g_yoin_tags_seq
\g_yoin_onlytags_seq 30 \seq_new:N \g_yoin_onlyflags_seq
31 \seq_new:N \g_yoin_onlytags_seq

```

`msg: unknown-flag` Two messages, for unknown flags and unknown tags.

```

msg: unknown-tag 32 \msg_new:nnnn { yoin } { unknown-flag }
33 { The ~ flag ~ '#1' ~ is ~ unknown ~ to ~ 'yoin'. }
34 { You ~ either ~ misspelled ~ it ~ or ~forgot ~ to ~ declare ~ it. }

35 \msg_new:nnnn { yoin } { unknown-tag }
36 { The ~ tag ~ '#1' ~ is ~ unknown ~ to ~ 'yoin'. }
37 { You ~ either ~ misspelled ~ it ~ or ~forgot ~ to ~ declare ~ it. }

```

`\yoin_if_tag_defined:n` Conditionals for checking whether a tag/flag was defined.

```

\yoin_if_flag_defined:n 38 \prg_new_protected_conditional:Nnn \yoin_if_tag_defined:n { T, F, TF } {
39 \seq_if_in:NnTF \g_yoin_tags_seq { #1 } { \prg_return_true: } { \prg_return_false: }
40 }

41 \prg_new_protected_conditional:Nnn \yoin_if_flag_defined:n { T, F, TF } {
42 \seq_if_in:NnTF \g_yoin_flags_seq { #1 } { \prg_return_true: } { \prg_return_false: }
43 }

```

```

\__yoin_error_if_tag_undefined:n Check whether a tag/flag is defined, if not, issue an error.
\__yoin_error_if_flag_undefined:n 44 \cs_new_protected:Nn \__yoin_error_if_tag_undefined:n {
45   \yoin_if_tag_defined:nF { #1 } { \msg_error:nnn { yoin } { unknown-tag } { #1 } }
46 }

47 \cs_new_protected:Nn \__yoin_error_if_flag_undefined:n {
48   \yoin_if_flag_defined:nF { #1 } { \msg_error:nnn { yoin } { unknown-flag } { #1 } }
49 }

```

`yoin / general` The keys themselves:

```

50 \keys_define:nn { yoin / general } {
Booleans:
51   dryrun .bool_gset:N = \g_yoin_dryrun_bool,
52   dryrun .initial:n = { false },

53   article .bool_gset:N = \g_yoin_article_bool,
54   article .initial:n = { false },

55   subprocess .bool_gset:N = \g_yoin_subprocess_bool,
56   subprocess .initial:n = { false },

```

Keys whose clist values are appended to a seq:

```

57   defineflags .code:n = \yoin_seq_gappend_clist:Nn \g_yoin_flags_seq { #1 },
58   definetags .code:n = \yoin_seq_gappend_clist:Nn \g_yoin_tags_seq { #1 },

```

A clist key is stored in a seq, also, a corresponding bool is set true. (The point is, if onlyflags/onlytags is not ever set up, we want to know it since we treat it as if we use all flags/tags.)

```

59   onlyflags .code:n =
60     \seq_gset_from_clist:Nn \g_yoin_onlyflags_seq { #1 }
61     \bool_gset_true:N \g_yoin_onlyflags_bool
62     ,

63   onlytags .code:n =
64     \seq_gset_from_clist:Nn \g_yoin_onlytags_seq { #1 }
65     \bool_gset_true:N \g_yoin_onlytags_bool
66     ,

67 }

```

`\ProcessKeysPackageOptions` Process key options given to the package. We *do not want to process any options given to the class*. Whence `\ProcessKeysPackageOptions` and not `\ProcessKeysOptions`.

```
68 \ProcessKeysPackageOptions { yoin / general }
```

`\yoin_setup:n` Allow keys to be set later. We define both a  $\text{\LaTeX}$ 3 interface and an xparse UI wrapper.

```
\yoinSetup 69 \cs_new_protected:Nn \yoin_setup:n {
70   \keys_set:nn { yoin / general } { #1 }
71 }

72 \NewDocumentCommand \yoinSetup { R[]{} } {
73   \yoin_setup:n { #1 }
74 }
```

## 4 `\yoinAdd` macro — adding articles to the issue

The key–value interface. In this case, we basically only store the keys for each article in a prop. First, an interface for setting the keys for the articles. `\yoin_yoinadd_prop:n` returns the name of the prop for the given article; *no check for existence is done at this place*.

`\g_yoin_yoinadd_seq` A sequence for storing the list of the existing articles.

```
75 \seq_new:N \g_yoin_yoinadd_seq
```

`\yoin_yoinadd_prop:n` `\yoin_yoinadd_prop:V` `\yoin_yoinadd_prop:n` returns the name of the prop for the given article; *no check for existence is done at this place*. `\yoin_yoinadd_prop:nn` returns property #2 of article #1, or `\q_no_value` if the property is not set.

```
\yoin_yoinadd_prop_item:nn 76 \cs_new:Nn \yoin_yoinadd_prop:n {
\yoin_yoinadd_prop_item:Vn 77   g__yoin_article_#1_prop
78 }
79 \cs_generate_variant:Nn \yoin_yoinadd_prop:n { V }

80 \cs_new:Nn \yoin_yoinadd_prop_item:nn {
81   \prop_item:cn { \yoin_yoinadd_prop:n { #1 } } { #2 }
82 }
83 \cs_generate_variant:Nn \yoin_yoinadd_prop_item:nn { V }
```

For processing `\yoinAdd`, we first set up a `\tl` to contain the name of the article, then create the prop, and finally use `\keys` to fill in the prop. Note that if an article is added twice, an error is issued, if the error is ignored, the article is not added but the properties are set.

`\l_yoin_yoinadd_currentarticle_tl` A `\tl` that stores the name of the article that is being processed by `\yoinAdd`.

```
84 \tl_new:N \l_yoin_yoinadd_currentarticle_tl
```

`\__yoin_yoinadd_storekey:nn` Internal macro for storing a key in the prop. The one-parameter variant sets the value of the key empty.

```
\__yoin_yoinadd_storekey:n
85 \cs_new_protected:Nn \__yoin_yoinadd_storekey:nn {
86   \prop_gput:cnn { \yoin_yoinadd_prop:V \l__yoin_yoinadd_currentarticle_tl } { #1 } { #2 }
87 }
88 \cs_new_protected:Nn \__yoin_yoinadd_storekey:n {
89   \prop_gput:cnn { \yoin_yoinadd_prop:V \l__yoin_yoinadd_currentarticle_tl } { #1 } { }
90 }
```

`\yoin_yoinadd:nn` The macro `\yoinAdd` itself. We first set `\l__yoin_yoinadd_currentarticle_tl`, then check whether the same article has not been processed before (issuing an error in that case and finishing). Then, the article is added in `\g_yoin_yoinadd_seq`, the prop created, the article's name added in the prop with key `article` and the keys are set. If the article has a `.yoin` file in its sub-directory, the key-values in it is added to the prop. If the file does not exist, it means things are wrong (the article should first be set up, before being added to its issue by `\yoinAdd`).

```
\yoinAdd
91 \cs_new_protected:Nn \yoin_yoinadd:nn {
92   \tl_set:Nn \l__yoin_yoinadd_currentarticle_tl { #1 }
93   \seq_if_in:NnTF \g_yoin_yoinadd_seq { #1 } {
94     \msg_error:nnn { yoin } { yoinadd-duplicatearticle } { #1 }
95   } {
96     \seq_gput_right:Nn \g_yoin_yoinadd_seq { #1 }
97     \prop_new:c { \yoin_yoinadd_prop:n { #1 } }
98     \__yoin_yoinadd_storekey:nn { article } { #1 }
99     \keys_set:nn { yoin / yoinadd } { #2 }
100    \file_if_exist:nTF { #1 / #1 .yoin } {
101      \yoin_keyval_parse_from_file:NNn
102        \__yoin_yoinadd_storekey:n
103        \__yoin_yoinadd_storekey:nn
104        { #1 / #1 .yoin }
105    } {
106      \msg_error:nnn { yoin } { yoinadd-dotyoinmissing } { #1 }
107    }
108  }
109 }

110 \NewDocumentCommand \yoinAdd { m O{} } {
111   \yoin_yoinadd:nn { #1 } { #2 }
112 }
```

`msg: yoinadd-duplicatearticle` The error messages: for adding a duplicate article and for adding an article with no `#1/#1.yoin` file.

```
msg: yoinadd-dotyoinmissing
113 \msg_new:nnn { yoin } { yoinadd-duplicatearticle }
114   { The ~ article ~ "#1" ~ has ~ been ~ already ~ processed ~ by ~ \token_to_str:N \yoinAdd ~. }
```

```

115 \msg_new:nnn { yoin } { yoinadd-dotyoinmissing }
116 { The ~ article ~ "#1" ~ has ~ no ~ file "#1/#1.yoin" ~ and ~ was ~ not ~ properly ~ set ~ up.}

```

`yoin / yoinadd` The keys here are pretty simple; each defined key just stores its value in the prop. We recall that #1 is the key and ##1 is the value.

```

117 \clist_map_inline:nn { forceopenany, forceopenright, ignore } {
118   \keys_define:nn { yoin / yoinadd } {
119     #1 .code:n = \__yoin_yoinadd_storekey:nn { #1 } { ##1 },
120   }
121 }

```

However, for the tag key, we additionally check that the tag exists.

```

122 \keys_define:nn { yoin / yoinadd } {
123   tag .code:n =
124     \__yoin_error_if_tag_undefined:n { #1 }
125     \__yoin_yoinadd_storekey:nn { tag } { #1 }
126   ,
127 }

```

## 5 Environment yoinshell

`\l_yoin_yoinshell_ignore_bool` A boolean for storing the ignore key's value.

`yoin / yoinshell` Key-value interface to yoinshell.

```

128 \keys_define:nn { yoin / yoinshell } {

```

If flag is set and onlyflags is set but the flag is not amongst them, the whole yoinshell is ignored (by setting the ignore key).

```

129   flag .code:n =
130     \__yoin_error_if_flag_undefined:n { #1 }
131     \bool_if:NT \g_yoin_onlyflags_bool {
132       \seq_if_in:NnF \g_yoin_onlyflags_seq { #1 } {
133         \keys_set:nn { yoin / yoinshell } {
134           ignore = true
135         }
136       }
137     }
138   ,

```

The ignore key sets a boolean

```

139   ignore .bool_set:N = \l_yoin_yoinshell_ignore_bool,
140   ignore .initial:n = { false },

```

141 }

`shellesc.sty` A reasonable shell escape that should work in both pdf<sub>l</sub>atex and lua<sub>l</sub>atex in T<sub>E</sub>X Live 2016.

`\ShellEscape` 142 `\file_if_exist:nTF { shellesc.sty } {`

`\__yoin_yoinshell_shellescape:n` 143 `\RequirePackage { shellesc }`

144 `} {`

145 `\def \ShellEscape #1 { \immediate \write 18 { #1 } }`

146 `}`

147 `\cs_new_protected:Nn \__yoin_yoinshell_shellescape:n {`

148 `\ShellEscape { #1 }`

149 `}`

`\__yoin_yoinshell_begin:n` Environment `yoinshell` (one key–value argument). We perform some local definitions that should stay local, so we put everything in a group. The keys are set. Then we define the macros — “shell commands”. If `ignore` is set, these macros are declared to do nothing, otherwise they are simply wrappers to the L<sup>A</sup>T<sub>E</sub>X3 counterparts.

`\__yoin_yoinshell_end:`

`{yoinshell}`

150 `\cs_new_protected:Nn \__yoin_yoinshell_begin:n {`

151 `\group_begin:`

152 `\keys_set:nn { yoin / yoinshell } { #1 }`

153 `\bool_if:NTF \l_yoin_yoinshell_ignore_bool {`

154 `\DeclareDocumentCommand \RunForEach { 0{} m } { }`

155 `\DeclareDocumentCommand \Run { 0{} m } { }`

156 `} {`

157 `\DeclareDocumentCommand \RunForEach { 0{} m } { \yoin_yoinshell_runforeach:nn { ##1 } { ##2 } }`

158 `\DeclareDocumentCommand \Run { 0{} m } { \yoin_yoinshell_run:nn { ##1 } { ##2 } }`

159 `}`

160 `}`

161 `\cs_new_protected:Nn \__yoin_yoinshell_end: {`

162 `\group_end:`

163 `}`

164 `\NewDocumentEnvironment { yoinshell } { 0{} } {`

165 `\__yoin_yoinshell_begin:n { #1 }`

166 `}`

167 `\__yoin_yoinshell_end:`

168 `}`

The `yoinshell` command `\RunForEach`.

\l\_\_yoin\_yoinshell\_runforarticle\_tag\_tl First, two t1s that will store tags: One for the tag of the article, one that could be passed to \RunForEach that is initially set to  
\l\_\_yoin\_yoinshell\_runforeach\_onlytag\_tl \q\_no\_value.

```
169 \tl_new:N \l__yoin_yoinshell_runforarticle_tag_tl
170 \tl_new:N \l__yoin_yoinshell_runforeach_onlytag_tl
171 \tl_set:Nn \l__yoin_yoinshell_runforeach_onlytag_tl { \q_no_value }
```

yoin / runforeach So far, the only key-val passable to \RunForEach is onlytag, which tests for the tag to be declared and passes it to \l\_\_yoin\_yoinshell\_runforeach\_onlytag\_tl.

```
172 \keys_define:nn { yoin / runforeach } {
173   onlytag .code:n =
174     \__yoin_error_if_tag_undefined:n { #1 }
175     \tl_set:Nn \l__yoin_yoinshell_runforeach_onlytag_tl { #1 }
176   ,
177 }
```

\\_\_yoin\_yoinshell\_runforarticle\_keyfromprop:nnN This macro lets #3 to the value of property #2 of article #1. It makes it an empty definition if the property is unset.

```
178 \tl_new:N \__yoin_yoinshell_runforarticle_tmpa_tl
179 \cs_new_protected:Nn \__yoin_yoinshell_runforarticle_keyfromprop:nnN {
180   \prop_get:cnN { \yoin_yoinadd_prop:n { #1 } } { #2 } \l__yoin_yoinshell_runforarticle_tmpa_tl
181   \quark_if_no_value:NTF \l__yoin_yoinshell_runforarticle_tmpa_tl {
182     \def #3 {}
183   } {
184     \let #3 \l__yoin_yoinshell_runforarticle_tmpa_tl
185   }
186 }
```

\\_\_yoin\_yoinshell\_runforeach:nn \RunForEach itself just sets the keys (in a group to make things local) and then calls \\_\_yoin\_yoinshell\_runforarticle:nn on each article.

```
187 \cs_new_protected:Nn \yoin_yoinshell_runforeach:nn {
188   \group_begin:
189   \keys_set:nn { yoin / runforeach } { #1 }
190   \seq_map_inline:Nn \g_yoin_yoinadd_seq { \__yoin_yoinshell_runforarticle:nn { ##1 } { #2 } }
191   \group_end:
192 }
```

\\_\_yoin\_yoinshell\_runforarticle:nn If the tag passed to onlytag of \RunForEach is identical to the tag of the article or if any of them is not set, we do what should be done, otherwise nothing is done (the tags do not match). We only extract the prop to publically available macros like \Article, \Jobname etc. (in a group to make this local), and then run the command in shell escape.

```
193 \cs_new_protected:Nn \__yoin_yoinshell_runforarticle:nn {
```



```

194 \prop_get:cnN { \yoin_yoinadd_prop:n { #1 } } { tag } \l__yoin_yoinshell_runforarticle_tag_tl
195 \bool_if:nT {
196   \quark_if_no_value_p:N \l__yoin_yoinshell_runforarticle_tag_tl
197   ||
198   \quark_if_no_value_p:N \l__yoin_yoinshell_runforeach_onlytag_tl
199   ||
200   \tl_if_eq_p:NN \l__yoin_yoinshell_runforeach_onlytag_tl \l__yoin_yoinshell_runforarticle_tag_tl
201 }{
202   \group_begin:
203   \__yoin_yoinshell_runforarticle_keyfromprop:nnN { #1 } { article } \Article
204   \__yoin_yoinshell_runforarticle_keyfromprop:nnN { #1 } { jobname } \Jobname
205   \__yoin_yoinshell_shellescape:n { #2 }
206   \group_end:
207 }
208 }

```

## 6 Article setting stuff (undocumented)

Information to be stored in an auxiliary file.

```

209 \cs_new_protected:Nn \__yoin_article_write:n {
210   \immediate \write \@auxout { \token_to_str:N \@writefile { yoin } { #1 } }
211 }
212
213 \cs_new_protected:Nn \__yoin_article_write_keyval:nn {
214   \__yoin_article_write:n { #1 ~ = ~ #2 , }
215 }
216 \cs_generate_variant:Nn \__yoin_article_write_keyval:nn { nx }
217
218 \cs_new_protected:Nn \yoin_article_write_meta:nn {
219   \__yoin_article_write_keyval:nn { meta-#1 } { #2 }
220 }
221
222 \cs_new_protected:Nn \yoin_article_writekeys: {
223   \__yoin_article_write_keyval:nx { jobname } { \jobname }
224   \__yoin_article_write_keyval:nx { totpages } { \ztotpages }
225   \__yoin_article_write_keyval:nx { currrdir } { \l_yoin_article_currrdir_tl }
226   \__yoin_article_write_keyval:nx { firstpage } { \int_use:N \l_yoin_article_firstpage_int }
227 }
228

```

```

229 \prop_new:N \l__yoin_article_readkeys_prop
230
231 \cs_new_protected:Nn \yoin_article_set_readkey:nn {
232   \prop_put:Nnn \l__yoin_article_readkeys_prop { #1 } { #2 }
233 }
234
235 \int_new:N \l_yoin_article_firstpage_int
236 \int_set:Nn \l_yoin_article_firstpage_int { 1 }
237
238 \keys_define:nn { yoin / toarticle } {
239   firstpage .code:n =
240     \int_set:Nn \l_yoin_article_firstpage_int { #1 }
241     \yoin_article_set_readkey:nn { firstpage } { #1 }
242   ,
243
244   parent .code:n =
245     \file_if_exist:nT { ../ #1 .yoin } {
246       \yoin_keys_set_from_file:nn { yoin / toarticle } { ../ #1 .yoin }
247     }
248     \yoin_article_set_readkey:nn { parent } { #1 }
249   ,
250
251   unknown .code:n =
252     \yoin_article_set_readkey:nn { \l_keys_key_tl } { #1 }
253   ,
254 }
255
256 \bool_new:N \g__yoin_article_readkeys_bool
257 \bool_gset_true:N \g__yoin_article_readkeys_bool
258
259 \cs_new_protected:Nn \yoin_article_readkeys: {
260   \bool_if:NT \g__yoin_article_readkeys_bool {
261     \file_if_exist:nT { ../ \l_yoin_article_currdir_tl .yoin } {
262       \yoin_keys_set_from_file:nn { yoin / toarticle } { ../ \l_yoin_article_currdir_tl .yoin }
263     }
264   }
265   \bool_gset_false:N \g__yoin_article_readkeys_bool
266 }
267
268 \tl_new:N \l__yoin_article_tmpa_tl

```

```

269 \seq_new:N \l__yoin_article_tmpa_seq
270 \tl_new:N \l_yoin_article_currdir_tl
271 \cs_new_protected:Nn \yoin_article_getcurrdir:N {
272   \tl_set:Nx \l__yoin_article_tmpa_tl { \currfileabsdir }
273   \cs_generate_variant:Nn \regex_extract_once:nnNF { nV }
274   \regex_extract_once:nVNF { /([~/]+)/\Z } \l__yoin_article_tmpa_tl \l__yoin_article_tmpa_seq { \error }
275   \seq_get_right:NN \l__yoin_article_tmpa_seq #1
276 }
277
278 \AtBeginDocument{ \yoin_atbegindocument: }
279
280 \cs_new_protected:Nn \yoin_atbegindocument: {
281   \expandafter \newwrite \csname tf@yoin\endcsname
282   \bool_if:NTF \g_yoin_article_bool {
283     \yoin_article_getcurrdir:N \l_yoin_article_currdir_tl
284     \immediate \openout \csname tf@yoin\endcsname \l_yoin_article_currdir_tl .yoin\relax
285     \yoin_article_readkeys:
286     \setcounter { page } { \l_yoin_article_firstpage_int }
287     \yoin_article_writekeys:
288   } {
289     \immediate \openout \csname tf@yoin\endcsname \jobname .yoin\relax
290   }
291 }

```

## 7 yoinProcess (undocumented)

```

292 \int_new:N \g_yoin_page_int
293 \iow_new:N \g__yoin_yoinprocess_stream
294 \bool_new:N \g__yoin_yoinprocess_output_bool
295 \bool_set_true:N \g__yoin_yoinprocess_output_bool
296 \cs_new_protected:Nn \yoin_yoinprocess:n {
297   \keys_set:nn { yoin / yoinprocess } { #1 }
298   \clearpage
299   \int_gset:Nn \g_yoin_page_int { \value { page } }
300   \seq_map_inline:Nn \g_yoin_yoinadd_seq {
301     \__yoin_yoinprocess_cleardoublepage:
302     \bool_if:NT \g__yoin_yoinprocess_output_bool {
303       \includepdf [ pages = - ] { ##1 / \yoin_yoinadd_prop_item:nn { ##1 } { jobname } .pdf }
304     }

```

```

305     \iow_open:Nn \g__yoin_yoinprocess_stream { ##1 .yoin }
306     \iow_now:Nx \g__yoin_yoinprocess_stream { firstpage ~ = ~ \int_use:N \g_yoin_page_int , }
307     \iow_now:Nx \g__yoin_yoinprocess_stream { parent ~ = ~ \jobname , }
308     \iow_close:N \g__yoin_yoinprocess_stream
309     \int_gadd:Nn \g_yoin_page_int { \yoin_yoinadd_prop_item:nn { ##1 } { totpages } }
310   }
311 }
312 \DeclareDocumentCommand \yoinProcess { 0{} } { \yoin_yoinprocess:n { #1 } }
313
314 \cs_new_protected:Nn \__yoin_yoinprocess_cleardoublepage: {
315   \bool_if:NT \g__yoin_yoinprocess_output_bool { \cleardoublepage }
316   \int_if_even:nT { \g_yoin_page_int } { \int_gincr:N \g_yoin_page_int }
317 }
318

```

## 8 Experimental

```

\bla
319 \cs_new:Nn \yoin_blabla: {
320   Blabla
321 }
322
323 \</package>

```