AAA

1.

2.

3.

4.

5.

AAAAABBBBB

6.

7.

Macro \mojemakro expands to: AA

 ${\it nicnicnicnic} {\it nicnic} {\it$

nicnicnicnicnicnic

NICNICNICNICNIC

POKUS

$b TABLE\ b TR1e TRb TR2e TRb TR3e TRb TR4e TRb TR5e TRb TR6e TRe TABLE$

NEXT

NIC

doloopfromto<start><end><action>

2xxx charts-mkiv.pdfzzz

3xxx cld-mkiv.pdfzzz

4xxx colors-mkiv.pdfzzz

doloopforall<action>

1xxx bidi.pdfzzz

2xxx charts-mkiv.pdfzzz

3xxx cld-mkiv.pdfzzz

4xxx colors-mkiv.pdfzzz

5xxx columnsets.pdfzzz

6xxx details.pdfzzz

doloopaction

mmmm bidi.pdfxxx 1zzz

mmmm charts-mkiv.pdfxxx 2zzz

mmmm cld-mkiv.pdfxxx 3zzz

mmmm colors-mkiv.pdfxxx 4zzz

mmmm columnsets.pdfxxx 5zzz

mmmm details.pdfxxx 6zzz

doloopaction<action> 1xxx bidi.pdfzzz 2xxx charts-mkiv.pdfzzz 3xxx cld-mkiv.pdfzzz 4xxx colors-mkiv.pdfzzz 5xxx columnsets.pdfzzz 6xxx details.pdfzzz doloopaction<action><end> 1xxx bidi.pdfzzz 2xxx charts-mkiv.pdfzzz 3xxx cld-mkiv.pdfzzz 4xxx colors-mkiv.pdfzzz ${\tt doloopaction}{<}{\tt action}{>}{<}{\tt start}{>}{<}{\tt end}{>}$ 3xxx cld-mkiv.pdfzzz 4xxx colors-mkiv.pdfzzz 5xxx columnsets.pdfzzz 6xxx details.pdfzzz Running macro:\doloopif{\cA}{==}{5}{\cB\cA}% Result:columnsets.pdf5 Running macro:\setlinepointer{0}\doloopif{\cA}{==}{}{\cB\cA}% Result: Running macro:\setlinepointer{0}\doloopif{\cA}{~=}{}{\cB\cA}% Result:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{5}{not a break before:\doloopif{\cA}{~=}{}\cB\cA}\blank}%

 $\textbf{Result:} not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf2 cld-mkiv.pdf3 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-mkiv.pdf4 columnsets.pdf5 details.pdf6 \\ not a break before: bidi.pdf1 charts-m$

not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6 not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6 not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6

 $Running \ macro:\dorecurse{1}{not a break before:\doloopif{\cA}{~=}{}{\cA}\blank}$

Result:not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{1}{not a break before:\doloopif{\cB}{==}{colors-mkiv.pdf}{\cB\cA}\blank}

Result:not a break before:colors-mkiv.pdf4

Running macro:\dorecurse{1}{not a break before:\doloopif{\cB}{~=}{colors-mkiv.pdf}{\cB\cA}\blank}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3columnsets.pdf5details.pdf6

Compare numbers:

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{==}{3}{\cB\cA}}

Result:not a break before:cld-mkiv.pdf3

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{~=}{3}{\cB\cA}}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{>=}{3}{\cB\cA}}

Result:not a break before:cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{<=}{3}{\cB\cA}}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3

Running macro: \dorecurse {1} {\not a break before: \doloopif {\cA} {>} {3} {\cB\cA}}

Result:not a break before:colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{<}{3}{\cB\cA}}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{<>}{3}{\cB\cA}}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2colors-mkiv.pdf4columnsets.pdf5details.pdf6

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{=<}{3}{\cB\cA}}

Result:not a break before:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3

Running macro:\dorecurse{1}{not a break before:\doloopif{\cA}{=>}{3}{\cB\cA}}

 $\textbf{Result:} not \ a \ break \ before: cld-mkiv.pdf3 colors-mkiv.pdf4 columns ets.pdf5 details.pdf6$

\dorecurse{1}{\doloopif{\cA}{<}{3}{\cB\cA}} bidi.pdf1charts-mkiv.pdf2

Operators testing:

 $\begin{tabular}{ll} \label{loopif(cA)} $$ Code:\dorecurse(1)_{\doloopif(\cA)} $$ Result: bidi.pdf1 charts-mkiv.pdf2 $$$

Code:\dorecurse{1}{\doloopif{\cA }{>}{3}{\cB\cA }} Result:colors-mkiv.pdf4columnsets.pdf5details.pdf6 $\label{local_code} $$\operatorname{Code:\dorecurse}_{1}_{\doloopif}\cA }{==}_{3}_{\cB\cA }$$$ Result:cld-mkiv.pdf3 Result:bidi.pdf1charts-mkiv.pdf2colors-mkiv.pdf4columnsets.pdf5details.pdf6 $\label{local_code} $$\operatorname{Code:\dorecurse}_1_{\doloopif_\cA} $$ >=}_{3}_{\cB\cA} $$$ Result:cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6 $\label{local_code} $$\operatorname{Code:\dorecurse}_{1}_{\doloopif}\cA }{<=}_{3}_{\cB\cA} $$}$ Result:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3 $\label{local_code} $$\operatorname{l}{\displaystyle \frac{1}{\displaystyle \frac{1}{\c^{3}{\c^{A}}}}$} $$$ Result:bidi.pdf1charts-mkiv.pdf2cld-mkiv.pdf3 $\label{local_code} $$\operatorname{Code:\dorecurse}_{1}_{\doloopif}\cA }=>}_{3}_{\cB\cA }$$$ $Result: {\tt cld-mkiv.pdf3colors-mkiv.pdf4columnsets.pdf5details.pdf6}$ $\label{local_code} $$\operatorname{l}{\displaystyle \frac{1}{\langle oloopif\{\cA\ }{\langle s\rangle}{3}{\cB\cA\ }}$$$ Result: bidi.pdf1 charts-mkiv.pdf2 colors-mkiv.pdf4 columnsets.pdf5 details.pdf6Code:\dorecurse{1}{\doloopif{\cA }{eq}{3}{\cB\cA }} Result:cld-mkiv.pdf3

Code:\dorecurse{1}{\doloopif{\cA }{neq}{3}{\cB\cA }} Result:bidi.pdf1charts-mkiv.pdf2colors-mkiv.pdf4columnsets.pdf5details.pdf6 Code:\dorecurse{1}{\doloopif{mkiv}{in}{\cB }{\cB\cA }} Result:charts-mkiv.pdf2cld-mkiv.pdf3colors-mkiv.pdf4 Code:\dorecurse{1}{\doloopif{i}{~in}{\cB }{\cB\cA }} Result:columnsets.pdf5 $\label{lem:code:setline} Code: \end{code} \cap{Code: \end{call} {\cap{Code: \cap{Code: \cap{Code:$ Result: bidi.pdf1 charts-mkiv.pdf2 $\label{lem:code:setline} Code: \end{code} \cal{lem:code:setline} \$ Result: bidi.pdf1 Code:\setlinepointer{0}\doloopuntil{2}{\cA }{\cB\cA } Result: bidi.pdf1 $\label{lem:code:setlinepointer} \label{lem:code:setlinepointer} $$\operatorname{O}\scriptstyle{0}\operatorname{Code}(A) = \operatorname{Code}(A) $$$ Result: bidi.pdf1 charts-mkiv.pdf2 $\label{lem:code:setlinepointer} \label{lem:code:setlinepointer} $$\operatorname{O}\operatorname{corse}_1_{\coloredge} \coloredge_{\coloredge}.$$$ Result: bidi.pdf1 Code:\setlinepointer{0}\dorecurse{1}{\whiledo{\cA }{1}{\cB\cA }} Result: bidi.pdf1

| ID | PDF | |
|---|-----------------|--|
| \doloopfromto{3}{5}{\expanded{\bTR\bTD\cA\eTD\bTD\cB\eTR }} | | |
| 3 | cld-mkiv.pdf | |
| 4 | colors-mkiv.pdf | |
| 5 | columnsets.pdf | |
| lem:lem:lem:lem:lem:lem:lem:lem:lem:lem: | (eTR }} | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| \doloopif{\cA }{<}{4}{\lineaction } | | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| \doloopaction | | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| 4 | colors-mkiv.pdf | |
| 5 | columnsets.pdf | |
| 6 | details.pdf | |
| \doloopaction{\expanded{\bTR\bTD\cA\eTD\bTD\cB\eTR }} | | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| 4 | colors-mkiv.pdf | |
| 5 | columnsets.pdf | |
| 6 | details.pdf | |
| \doloopaction{\expanded{\bTR\bTD\cA\eTD\bTD\cB\eTD\eTR }}{3 | 3} | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| \doloopaction{\expanded{\bTR\bTD\cA\eTD\bTD\cB\eTD\eTR }}{2 | 2}{4} | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| 4 | colors-mkiv.pdf | |

| ID | PDF | |
|--|-----------------|--|
| \setnumline{4}\doloop{\lineaction\nextrow\ifnum\recurselevel >2 \exitloop\fi } | | |
| $\boxed{4}$ | colors-mkiv.pdf | |
| 5 | columnsets.pdf | |
| 6 | details.pdf | |
| \doloopforall | | |
| 1 | bidi.pdf | |
| 2 | charts-mkiv.pdf | |
| 3 | cld-mkiv.pdf | |
| 4 | colors-mkiv.pdf | |
| 5 | columnsets.pdf | |
| 6 | details.pdf | |
| \setnumline{2}\doloop{\ifEOF\exitloop\else\lineaction\nextrow\fi } | | |
| \setnumline{2}\doloop{\ifnotEOF\lineaction\readrow\else\exitloop\fi } | | |

aabout.pdf1bidi.pdf2charts-mkiv.pdf3cld-mkiv.pdf4colors-mkiv.pdf5columnsets.pdf6details.pdf 1bidi.pdf2charts-mkiv.pdf3cld-mkiv.pdf4colors-mkiv.pdf5columnsets.pdf6details.pdf

| a | about.pdf |
|---|----------------|
| 1 | bidi.pdf |
| 2 | charts-mkiv.pd |
| 3 | cld-mkiv.pdf |
| 4 | colors-mkiv.pd |

1bidi.pdf 2charts-mkiv.pdf 3cld-mkiv.pdf