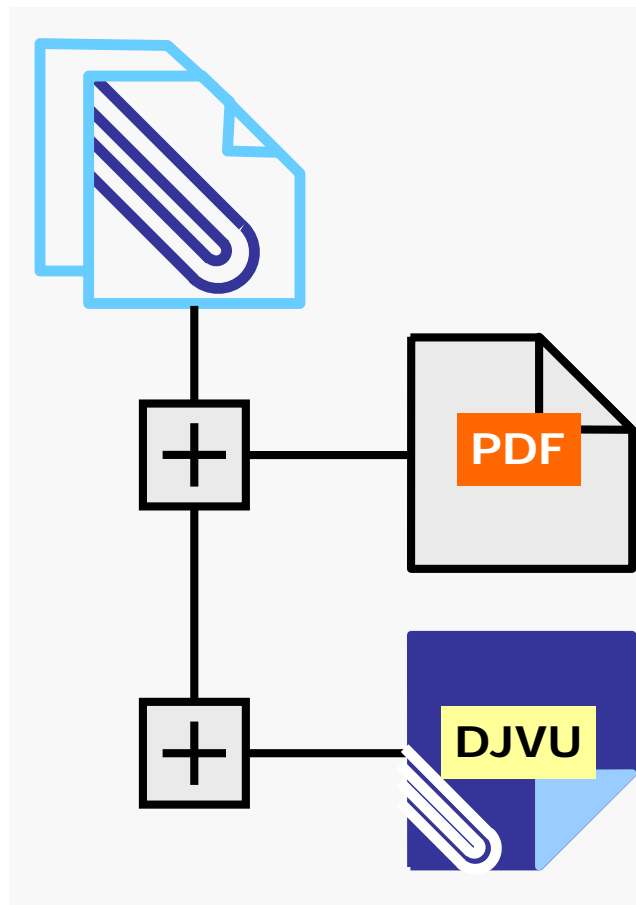


*Andrew Stolyarov's*

# **Pdf & DjVu Bookmarker™ v.4.0.0**

**User manual  
edition 3.2**



**NBell  
2012**

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## About User manual

User manual is written by Nbell.

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No animal suffered from this manual!

<h2>Collaboration</h2>
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**DjVuLibre project maintained by Leon Bottou, Yann LeCun, Bill C Riemers, and Jeffery Triggs**

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## 1. About



Pdf & DjVu Bookmarker can help you to create [tree of content](#) (Outline, Bookmarks) in djvu and pdf e-books.

Main features:

- WYSIWYG editing and creating tree of content (TOC).
- Smart TOC consistency check.
- Special command set for editing text after OCR.
- Save TOC in txt or html file format (UTF-8 encoding).

Creator of Pdf & DjVu Bookmarker – [Stolyarov Andrew](#)

[Download page on SourceForge net](#)

[Discussion topic on ru-board](#)

The program uses for preview of

- DjVu: DjvuLibre (with no installed Caminova Document Express DjVu plug-in);
- PDF: PdfLibNET (with no installed Adobe Reader).

### 1.1 License

[GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007](#)

### 1.2 System requirements

See [requirements of .NET 2.0](#).

Required additional software:

[Microsoft .NET Framework 2.0 \(x86\)](#) 22.4M6

[MS Visual C++ 2008x32](#) & [MS Visual C++ 2010x32](#)

For 64 bit Windows [VC2008x64](#) и [VC2010x64](#).

Recommended software for confortable viewing:

[Caminova Document Express DjVu plug-in](#);

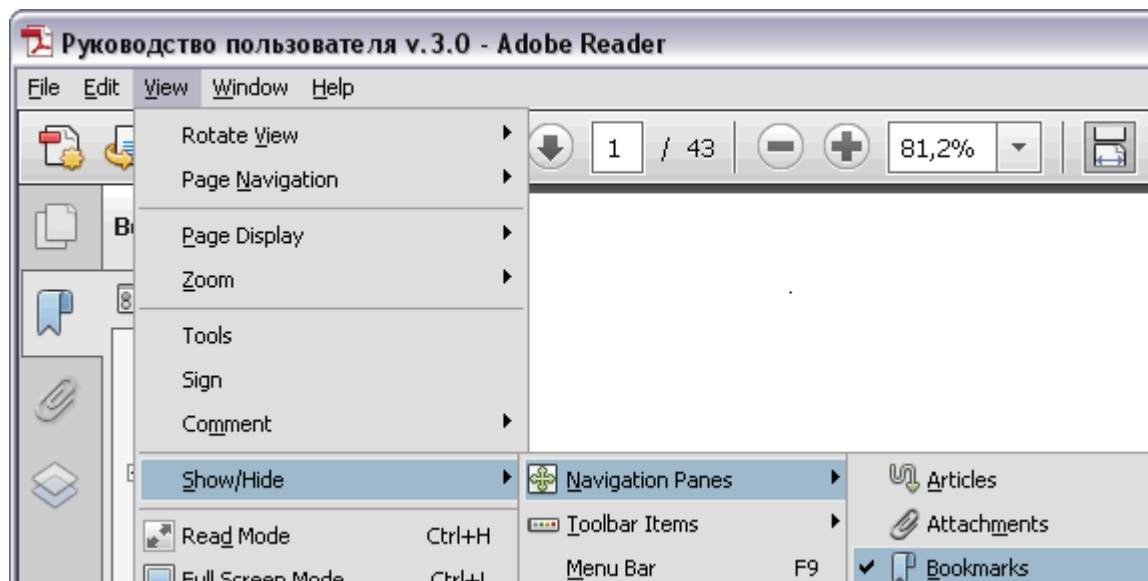
[Adobe Reader X](#).

**Note:** If you have installed Acrobat/Acrobat Pro as default pdf viewer program raise [error](#) message on exit. Install Adobe Reader with option «[Make Adobe Reader my default viewer](#)»(or if Adobe Reader already installed, choose Adobe Reader as default pdf handler via «Edit – Preferences – General – Select Default PDF Handler - Select Adone Product» and select «Adobe Reader»).

## 2. What is «Tree Of Content (TOC)»?

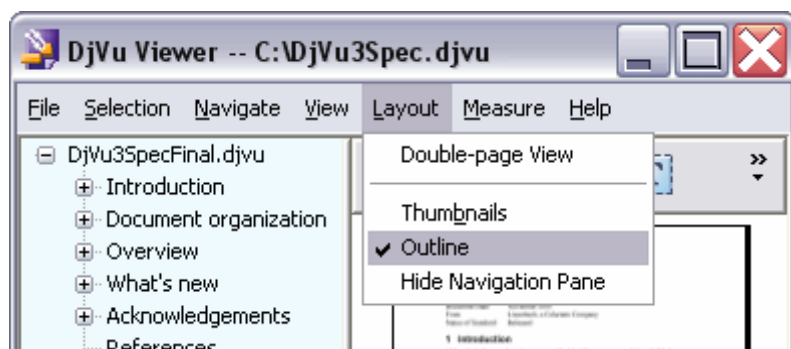
Easy to use e-book must have a tree of content for navigation.

In Adobe Reader - Bookmarks.

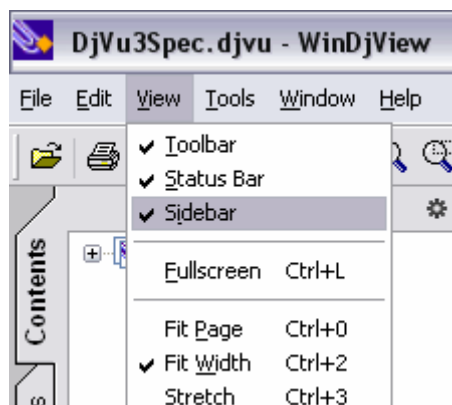


In LizardTech Djvu Browser plug-in (Caminova Document Express DjVu plug-in)

«Layout - Outline»

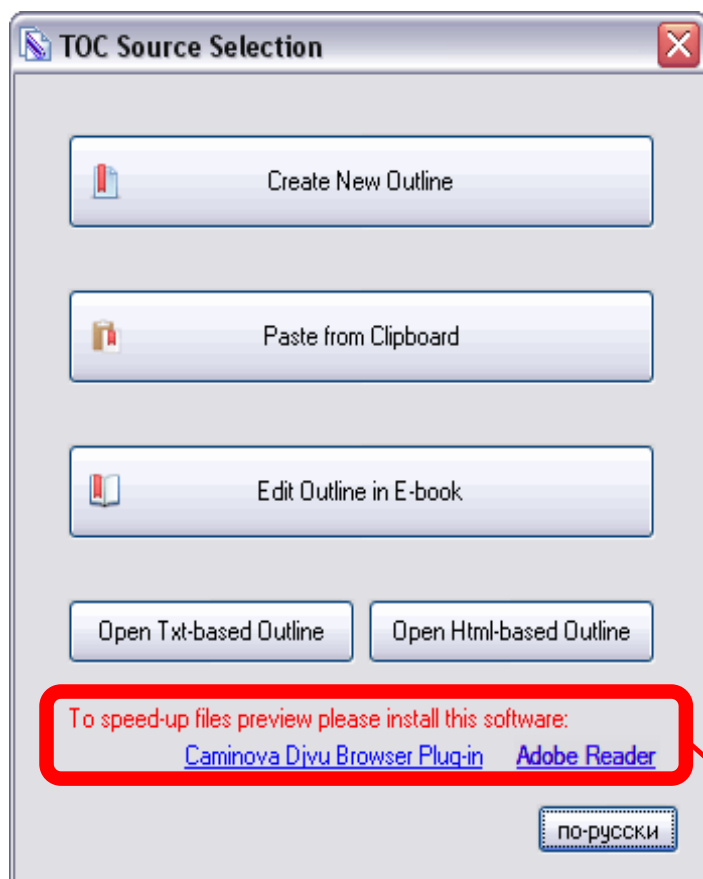


[WinDjView](#) TOC appears on «Sidebar» panel (tab «Contents»).



[DjView](#) uses tab «Outline» on sidebar.

### 3. Window «TOC Source Selection»



Program checks availability of **DjVu plug-in** and **Adobe Reader**. This message appears if this viewers not installed. Blue links are clickable and opens default browser with download page.

«Create New Outline» - program create blank TOC and go to the [TOC editor](#).

«Paste from Clipboard» - gets Clipboard content and go to the [TOC editor](#).

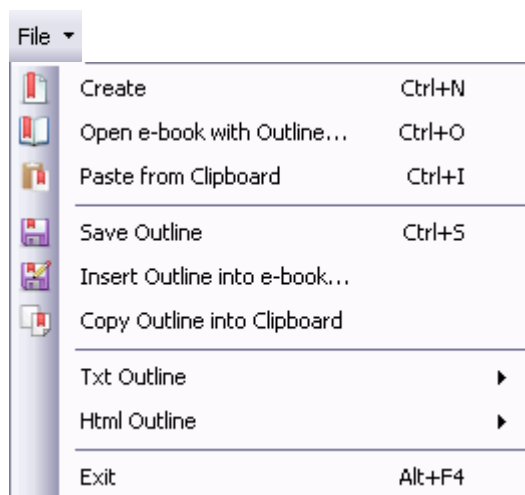
«Edit Outline in E-Book» - open PDF or DJVU e-book and go to the [TOC editor](#). (Some e-books may have no or non-standard [TOC](#)).

«Open Txt-based Outline» - get TOC from [txt-file](#) and go to the [TOC editor](#).

«Open Html-based Outline» - get TOC from html-file in [BookmarkTool 2.0](#)-format. and go to the [TOC editor](#). (Some kind of links [not supported](#)).

«по русски» - change program language to «Russian».

## 4. Menu «File» and menu «Tools»



«Create New Outline» (Ctrl+N) - program create blank TOC and go to the [TOC editor](#).

«Open e-book with Outline» (Ctrl+O) – open PDF or DJVU e-book and go to the [structure editor](#). (Some e-books may have no or non-standard [TOC](#)).

«Paste from Clipboard» (Ctrl+I) - gets Clipboard content and go to the [TOC editor](#).

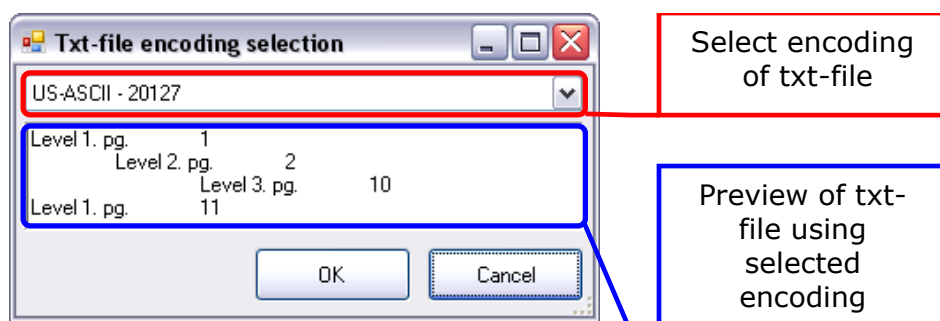
«Save Outline» (Ctrl+S) – embeds created or edited TOC in the opened e-book.

«Insert Outline into e-book» – embeds created or edited TOC in the selected e-book.

«Copy Outline into Clipboard» – copy created TOC to clipboard.

Txt Outline – submenu for open/save TOC in [txt file format](#).

After txt-file opening encoding can be WYSIWYG - adjusted:

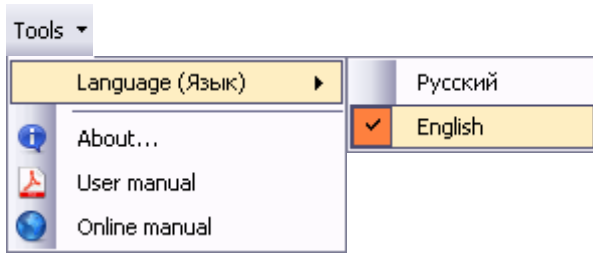


Html Outline – submenu for open/save TOC in html ([BookmarkTool 2.0](#)) file format. This command available in [structure editor](#).

Exit (Alt+F4) – close program.



Use «Tools» menu for change interface language.



About... – shows program’s credits.

User manual – opens this User Manual in the default pdf viewer.

Online manual – opens wiki-documentation in the default Internet browser.

## 5. Toolbar «Preview»



Use this toolbar for preview of e-book in «[Preview window](#)». Supported djvu and pdf formats.

«select e-book» - for choosing file for view.

«show pages» - toggle-button appears if opened any file for preview. Turns on/off page displaying in the preview window (reduces CPU usage on the slow PC).

Navigation blue arrows with textbox between appears and used for navigation in [built-in preview](#) if no Adobe Reader and/or DjVu plug-in installed. For preview previous / next page you can use hotkeys Ctrl+PgUp / Ctrl+PgDown.

Adobe Reader and DjVu plug-in has their own navigation tools.

Adobe Reader - use F8 to show navigation toolbox.

DjVu plug-in - shows toolbars when mouse pointer moves to top/bottom of preview window (depends on your DjVu plug-in settings). Deselect «Auto Hide» in the context menu of toolbar for constant toolbar appear. Docking place depends on setting «Top» or «Bottom».

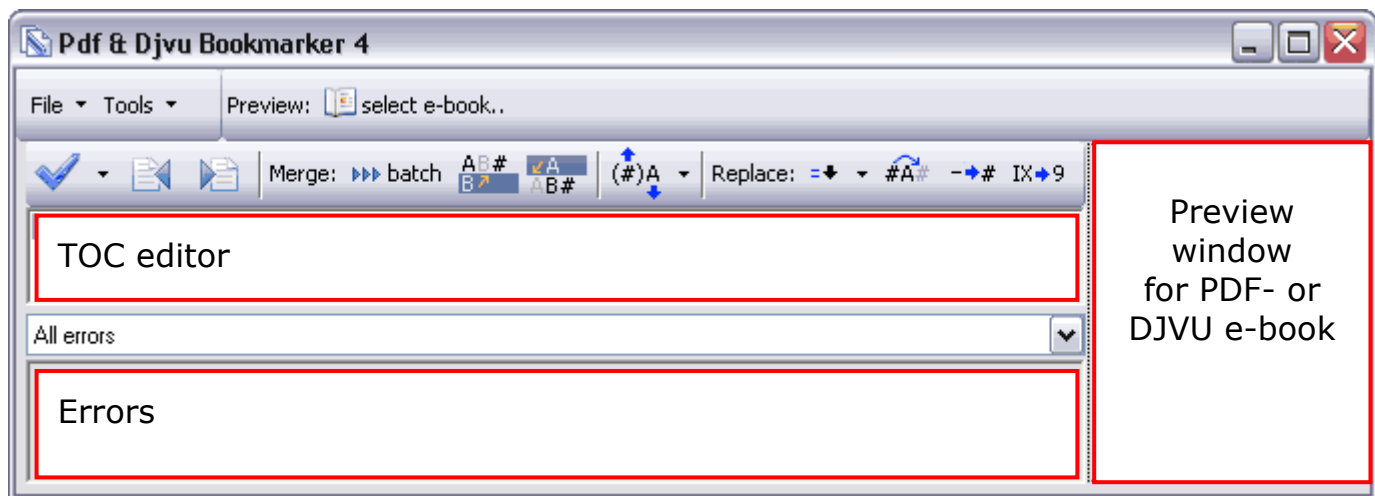


In [structure editor](#) preview-only mode available when «[Edit Numbering](#)» turned off.

## 6. TOC editor

This editor used when new TOC created, pasted from Clipboard or txt-file opened.

### 6.1 Window and commands



Inner windows border adjustable – drag it with left mouse button pressed.

«TOC editor» - simple text editor of created TOC. Standard hotkeys:

- Select all Ctrl+A;
- Copy to clipboard Ctrl+C;
- Paste from clipboard Ctrl+V;
- Cut to clipboard Ctrl+X;
- Undo Ctrl+Z;
- Line end – Enter.

Text size can be adjusted by Ctrl-mouse wheel. Edit cursor must be in window which text size adjusted (simply click in any line).

Combo box below TOC editor is filter for errors. See next chapters.

«Errors» show TOC errors. Click on line shows the TOC-line with error.

«Preview» window [show](#) opened e-book.

## 6.2 Toolbar «Check» (Num check)



	«Recheck». Check TOC errors (F7).
Ignore "Monotony violations" errors	Exclude some error check
Ignore "Line end is not page number" errors	
Ignore "String is a number" errors	
Ignore all errors	Check no errors
Check all errors	Check all errors
	Green when some errors chosen to be skipped



shows previous error (Alt + ↑, F5).



shows next error (Alt + ↓, F6).

Program allows TOC (new, pasted from clipboard or imported from txt-file) to be embedded in e-book only after consistency check (Num check).

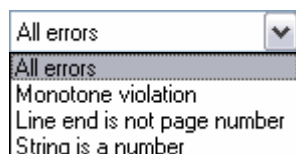
Num check starting by pressing «Recheck» (F7) button. List of errors shown by «Errors» window.

Error message	How to correct
Monotone increasing of page numbers violation	Numeration of previous line must be less or equal checked line. Correct number or, if you advanced user, skip this check by choosing «Recheck without monotony» command. See above.
Whole string is a number	Line has no text, only number. Remove the line or enter some text you need.
Line end is not page number	Line ends with non-numeric character. Enter number, or correct error with commands, described in next chapters.

## 6.3 Modes of «Errors» window



On the top of «Errors» window located combo box with options:



**Note:** Background of «Errors» window changes to green when errors filtered.

## 6.4 Toolbar «Merge»




Useful when lines splitted after OCR or merged (by OCR or text design).




merges line without number with previous line, ends with number (Ctrl + ↑, F1).

**Example**

Source	After 
Chapter 1. Rules of .....1 the game	Chapter 1. Rules of ..... the game 1

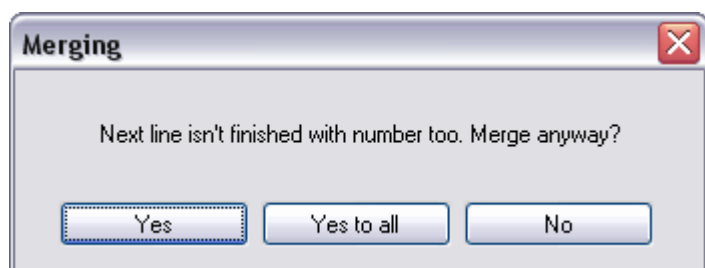
 merges line without number with next line, ends with number (Ctrl + ↓, F2)

**Example**

Source	After 
Chapter 1. Rules of the game .....1	Chapter 1. Rules of the game ..... 1

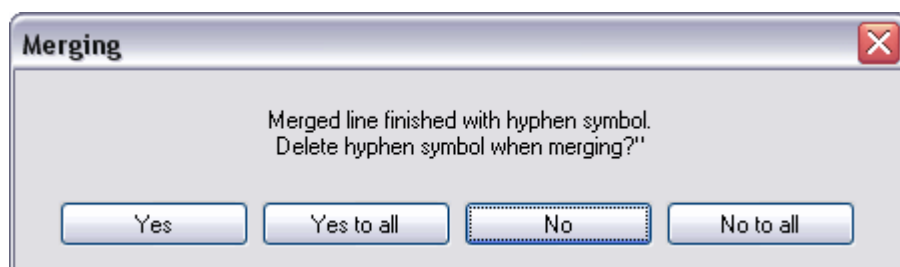
 batch toggle-button turns on/off batch merging.

If merging line contains no number you get message



Click «Yes» to merge anyway. «No» – to cancel merging.

If line ends with hyphen «-», program ask what to do:



Click «Yes» to remove hyphen and merge. «No» – merge with hyphen.

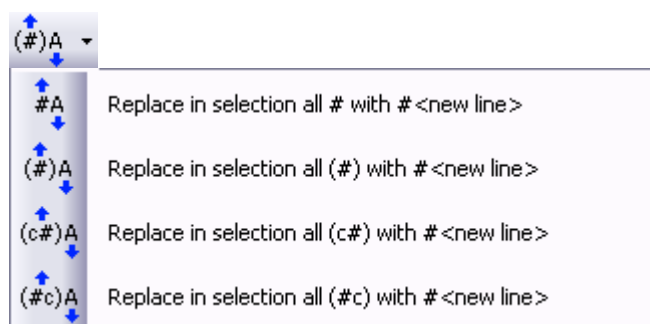
 splits lines of TOC. Sometimes after OCR or by design TOC looks such:

**Example:**

**Chapter 1. Rules of the game (1) Chapter 2. Play (3)**

**Chapter 1. Rules of the game.....1Chapter 2. Play.....3**


Select merged line and split, using suitable command:




«#» - means the page number, «A» - text line, «c» - some text in brackets near page number. If cursor in line, but line not selected, click twice to apply the command.

 - simple line splitting merged after OCR - «Chap1...3Chap2...5»;

 - splits «Chap1 (3) Chap2 (5)»;

 - splits «Chap1 (c. 3) Chap2 (c. 5)»;


 - splits «Chap1 (3 c.) Chap2 (5 c.)».





## 6.5 Toolbar «Replace»

Replace: 





Useful for fast numbering of lines.


 add page number to line without it (F9). Apply to selection.

 menu:


-  = previous line number
-  = next line number
-  = next line number minus 1
-  = next line number minus 2


**Example:**

Source:	Command	After:
Chapter 1. Main 5 1. Value.....		Chapter 1. Main 5 1. Value.....5
Chapter 1. Main 1. Value.....5		Chapter 1. Main 5 1. Value.....5
Chapter 1. Main 1. Value.....5		Chapter 1. Main 4 1. Value.....5
Chapter 1. Main 1. Value.....5		Chapter 1. Main 3 1. Value.....5


 moves page number from the beginning of the line to the end of.

**Example:**

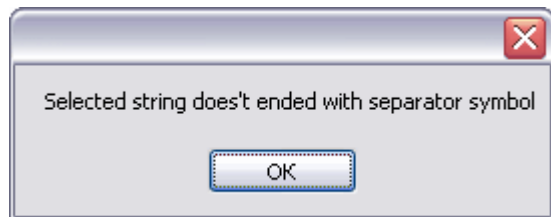
Source:	After 
5 Intro 6 Foreword	Intro 5 Foreword 6

 replaces all substitute symbols to nearest upper page number. Substitute symbol - any non-numeric and non-text character, located at the line end. Be careful - sometimes OCR produces lines with page number and non-numeric symbols at the end of line.

**Example:**

Source:	After 
Chapter 1 44	Chapter 1 44
Chapter 2 -	Chapter 2 44
Chapter 3 -	Chapter 3 -
Chapter 4 45	Chapter 4 45
Chapter 5 - -	Chapter 5 - 45

To use command move the cursor to the line with substitute symbol («Chapter 2», «Chapter 3» or «Chapter 5»). If the cursor on line with number at the end («Chapter 1»), then after command you get error:



«Chapter 3» needs to be selected and command must be reapplied.

**IX+9** replaces Roman numerals to Arabic numerals.

As usual, Roman numerals used at the start of the book. And page numbers you get will be greater, than latter Arabic. Use «Recheck without monotony» and correct numeration later in structure editor.

**Example:**

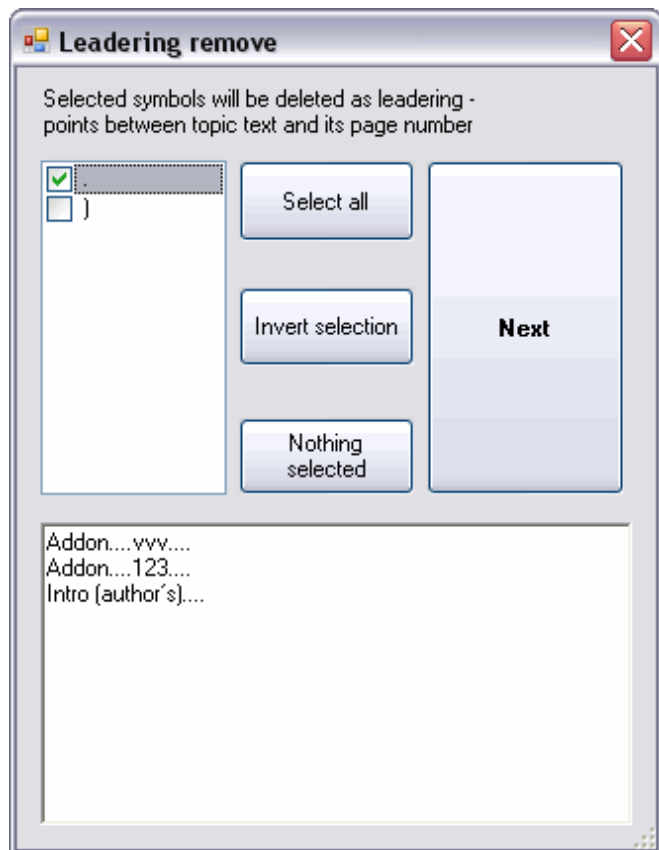
Source:	After <b>IX+9</b> :
Intro V ever be VII exist 10 later XX	Intro 5 ever be 7 exist 10 later XX

**Note:** Command replaces Roman numerals up to first line with Arabic (line «exist 10»).

## 6.6 Window «Leadering remove»

With no leadering (any symbol between last character of text=A...Z, a...z, A...Я, a...я and page number at the line end=0...9) this window doesn't appear.

After success in num check and, if the text contains any leadering symbols between text and page number, you get:



Select all leadering to remove  
«**Select all**».

Change selected to unselected  
«**Invert selection**».

Select nothing (all symbols considered as useful)  
«**Nothing selected**».

Remove leadering by button «**Next**».

When leadering in upper listbox selected, lower listbox show lines, containing it.

### Example:

Source:	After «Next» as shown:
<b>Addon....vvv....1</b>	<b>Addon....vvv 1</b>
<b>Addon....123....1</b>	<b>Addon....123 1</b>
<b>Intro (author's)....100</b>	<b>Intro (author's) 100</b>

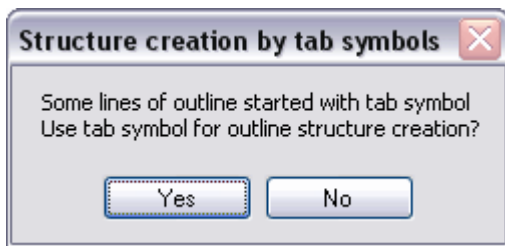
Flag near «)» cleared – it is the part of the text.

OCR errors ".....vvv" and "....123" had to be deleted manually in structure editor.



## 6.7 Structured TOC creation

If the TOC contains tab symbols (see [TOC file format](#)):



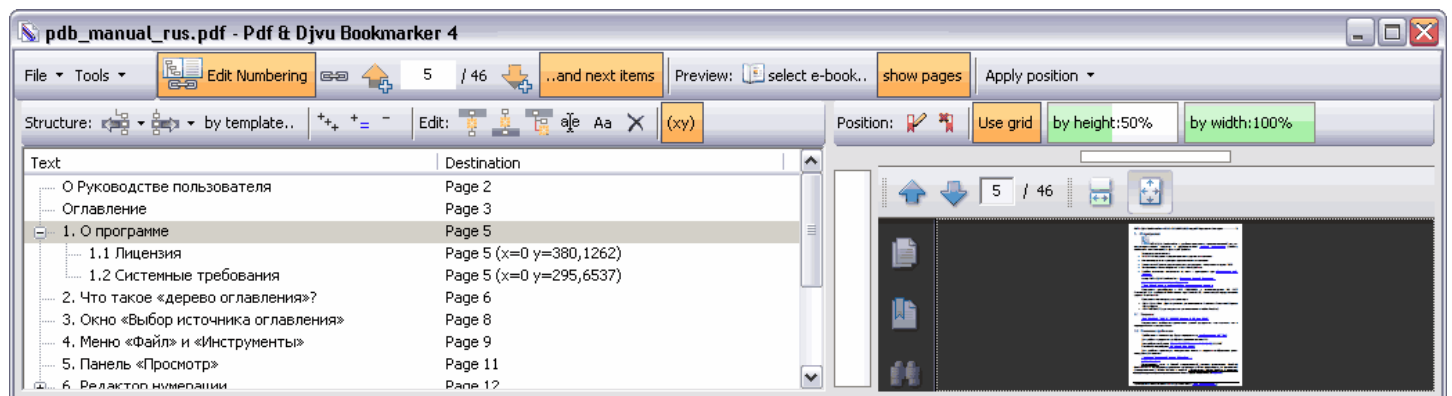
Press «Yes» if you want to set structure by tab symbols.

If no structure needed - press «No».

## 7. Structure Editor

Useful if multilevel TOC structure needed. Also you can edit page links and text.

### 7.1 Window and commands



Left window shows the TOC - «TOC window», right shows e-book – «Preview». File to preview choose by [«Preview»](#) toolbar. Selection of the TOC line can be changed by cursor keys, corresponding page immediately shown in «Preview» window after pressing «Enter».

TOC window has two columns – left is "Text" – show link text, right is "Destination" – show action, performed after link activation.

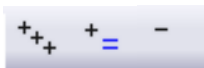
**Note:** Use «Ctrl+A» hotkey to select all TOC elements.

#### 7.1.1 Show xy shift in Destination column






**For pdf only.** If pressed turns on XY-position of link (if it differs from page top or bottom – it setted).

#### 7.1.2 TOC multilevel preview



Adjust view of the multilevel TOC by:

-  - expand all levels;
-  - expand TOC levels with rank equal to selected.
-  - collapse TOC items to top-level.

## 7.2 Link editor



Toggle-button «Edit Numbering» turns on/off TOC item page number value editing.

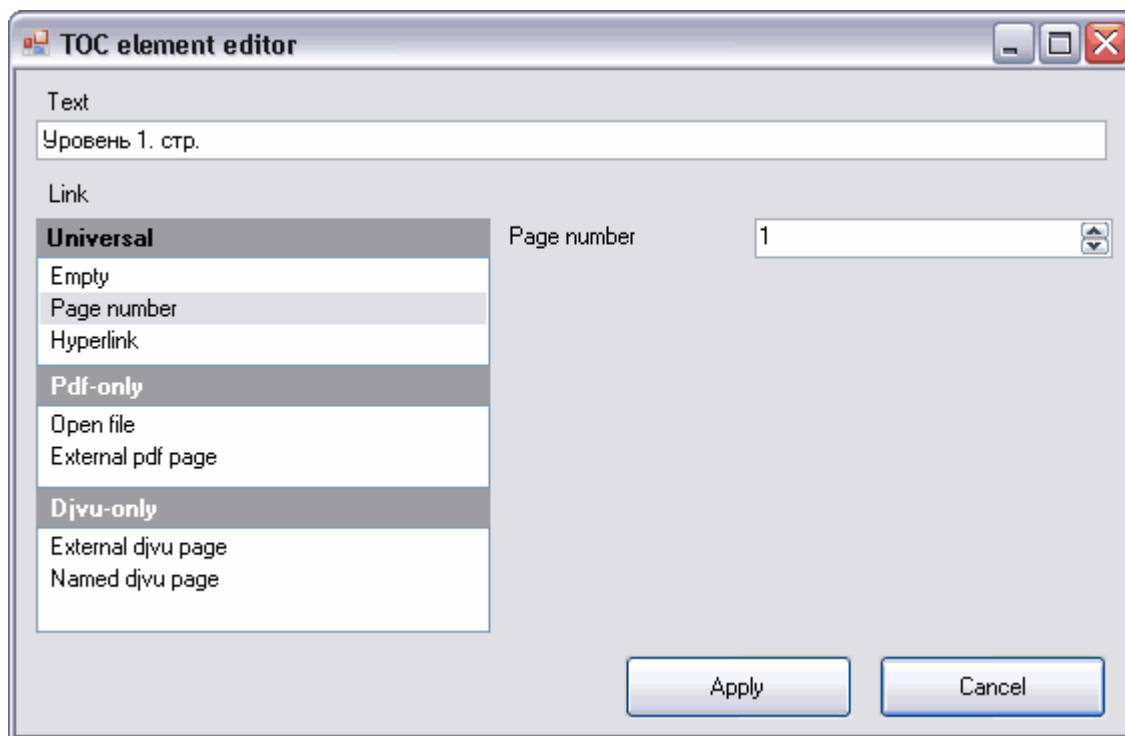
WYSIWYG mode of TOC links adjusting realized if appropriate e-book opened in [«Preview»](#).

If toggle-button «..and next items» pressed – all links of TOC items below selected changes too (relative to changed item). To change link in selected item only depress «..and next items» (no blue plus below arrows):



Depressed button «Edit Numbering» allows browsing e-book in «[Preview](#)» when [built-in preview](#) used.

 - call of "TOC element editor"



Textbox "Text" editable – link name can be edited here.

Listbox "Link" allow to change item link type.


"Universal" – type of link allowed in pdf and djvu e-nook:


"Empty" – blank link. Use to show comment or if child links has no common.

"Page number" – set the page number of current e-book. For pdf can be setted shift from page corner (also set by [position](#) editor). **If entered number bigger than book page count the background of textbox became red.**

"Hyperlink" – set URL to web page similar to web-browser - <http://www.xxx.yyy>.

"Pdf-only" – group of link types, allowed in pdf:

"Open file" – set the file, that will be opened. Button  show the standard dialog of file choose.

"External pdf page" – set the file and page in it, that will be opened. Button  show the standard dialog of file choose.

"Djvu-only" - group of link types, allowed in djvu:

"Named djvu page" – set the page name of page in current djvu here. Page name can be selected in dropdown listbox.

"External djvu page" – set the page number in other djvu. Caminova Djvu Browser plug-in does not support such links. Supported in WinDjView, DjView..

**All kinds of links can be setted if no book edited or selected for view.**

**Links can be settes in [txt-file](#) or in TOC editor – tabulation must be entered before link.**

### 7.3 Toolbar «Edit»



Useful to edit items text, adding new items, deleting items.



adds new item below selected (Insert).



adds new item above selected (Shift+Insert).



adds new child to selected item (Ctrl+Insert).



edits item text (F2).



removes item (Delete). Note – all child items, if any exists, will be deleted too.



changes case similar to sentence (Ctrl + Alt + O). Remember:

- Accurate works with Roman numerals (inaccurate, if text contains Roman numerals only).
- After any numeral makes next word with capital letter.
- Word after the dot starts with capital letter.
- First word always starts with capital letter.
- If needed capital letter in other word – correct manually.

**Example:**

Source:	After  :
CHAPTER 1 START CHAPTER V START CHAPTER 1. START CHAPTER ONE. START CHAPTER ONE. PETER PAN	Chapter 1 Start Chapter V Start Chapter 1. Start Chapter one. Start Chapter one. Peter pan

Word «pan» must be manually corrected by .

## 7.4 Toolbar «Structure»

Structure:   by template..

Useful in changing level of the TOC item.



increases level, Alt+ ←, mouse gesture – hold RMB then LMB.



decreases level, Alt+ →, mouse gesture – hold LMB then RMB.

Group select with Shift or Ctrl similar to Windows Explorer.

### 7.4.1 Group shift

You can select one TOC item and use structure command with:

- Ctrl – shift selected and below
- Shift – shift selected and above
- Ctrl+Shift – shift all.


Modified commands available from dropdown menu:




	.. and upplaced (Shift + left shift shortcut)
	.. and as up-, as downplaced (Ctrl + Shift + left shift shortcut)
	.. and downplaced (Ctrl + left shift shortcut)



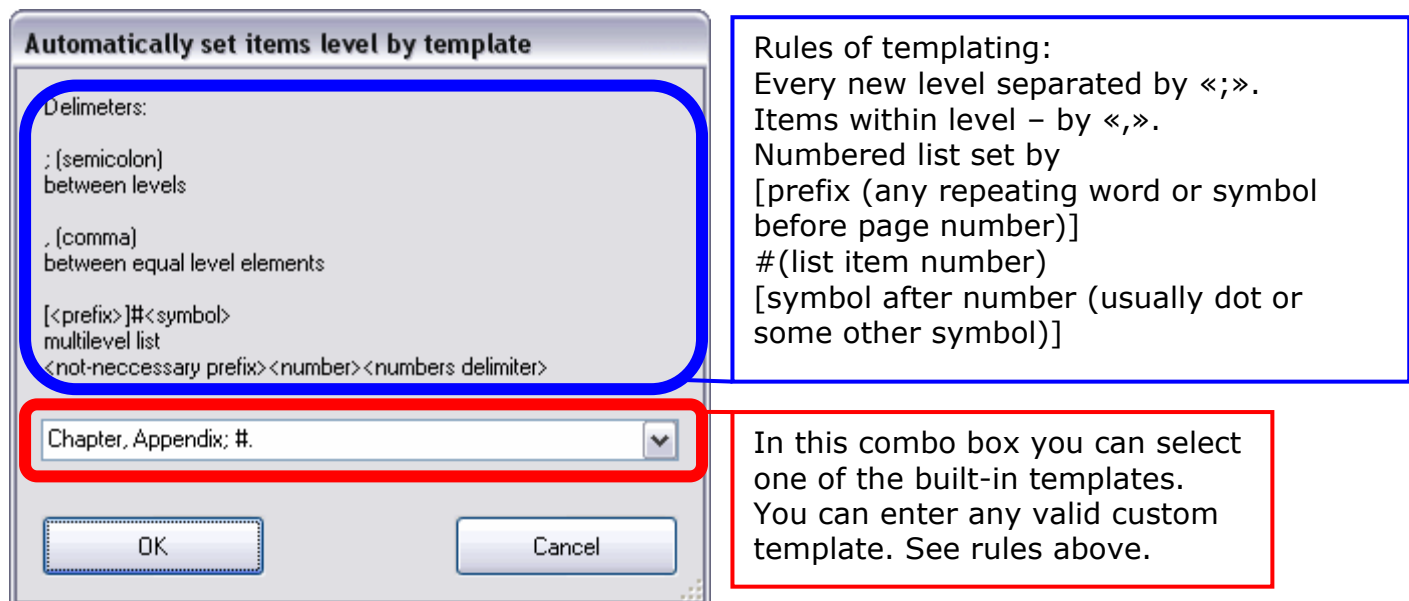
	.. and upplaced (Shift + right shift shortcut)
	.. and as up-, as downplaced (Ctrl + Shift + right shift shortcut)
	.. and downplaced (Ctrl + right shift shortcut)

For left group shift  command will be applied to child items too.

For right group shift  command will be applied to childless items only.

## 7.4.2 «by template»

If source TOC have logical structure, then you can use it for creating structured TOC. Press «by template». Appears window:



### Example:

#.

# -<number>, <symbol> - the dot. Items with names 1, 1.2, 1.2.4 и т.п. (no prefix used) will be treated as multilevel list and «1» get level 1, «1.2» - 2 and «1.2.4» - 3.

### Example:

P#.

<prefix> - symbol «P», # -<number>, <symbol> - the dot. Items with names P1, P1.2, P1.2.4 will be treated as multilevel list and «P1» get level 1, «P1.2» - 2 and «P1.2.4» - 3.

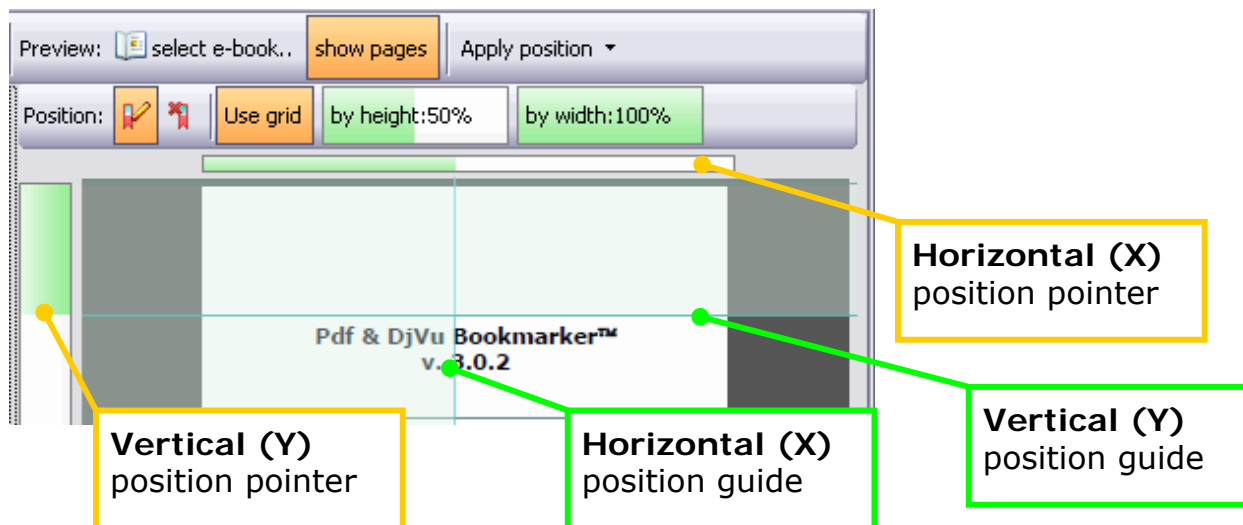
Example below means, that items, started with «Chapter» or «Appendix» will be top-level, all other below (items, begins with <number><dot> get level 2 and lower in order of multilevel list, but only if parent item exists – see «0. Intro»).

### Example:

Source:	By template «Chapter, Appendix; #.»:
<b>0. Intro</b> <b>Chapter 1. About</b> <b>1.1 Subitem</b> <b>1.1.1 Subsubitem</b> <b>Chapter 2. Begin</b> <b>Appendix</b> <b>Appendix 1. Nothing?</b>	<pre> ├── 0. Intro ├── Chapter 1. About │   ├── 1.1 Subitem │   │   └── 1.1.1 Subsubitem ├── Chapter 2. Begin ├── Appendix └── Appendix 1. Nothing? </pre>

## 7.5 Toolbar «Position» and Menu «Apply position» (Position Editor)

Useful (in pdf e-book) in setting the position on page, showed after TOC item selected.



In pdf e-book TOC item show upper left page corner by default. Click LMB on position pointer to change show position (click Y-pointer – set vertical, H-pointer - horizontal).

**Note: All TOC items property «Zoom level» will be set to «Inherit zoom».**



toggle-button turns on/off position editor.

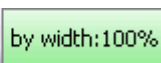
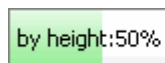
**Note: Fast set of Y-position can be done by selecting TOC item and pressing «Enter». Set position by cursor keys «↑» and «↓».**

**Attention!!! Hide Adobe Reader toolbar when using position editor! (Click on preview window and press F8 if Adobe Reader toolbar not hidden.)**

Grid is drawn by program to make position setting easier.



- toggle-button turns on/off grid.



rulers, which set the grid frequency.

«by height» – accuracy of seek free space between text lines.


«by width» – accuracy of seek free space between text and vertical page border.

Maximum frequency of the grid corresponds to 0% «by height» and 100% - «by width».

Apply position by:

- LMB click in desired place on page;
- press «Enter».

Exit from position editor without changes by:

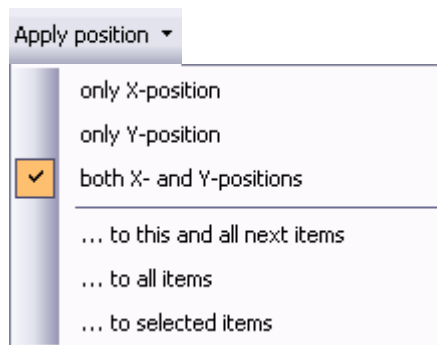
- depressing .
- RMB click on page;
- LMB click on one of position pointers;
- press «Esc».

**Note: Page scale in the preview window must be set to see whole page.**



sets position to default (upper left page corner).

TOC item show position can be applied to other items by menu:



Selected TOC item position using to:

- set all horizontal positions to current «only X-position»;
- set all vertical positions to current «only Y-position»;
- set all horizontal and vertical positions to current «both X- and Y-positions».

Methods of apply:

- from selected and below to the end – «...to this and all next»;
- to all TOC – «...to all items»;
- for selected items – «...to selected items».

**Note: Position correctly shown only in Adobe Reader (or other viewer). It's a pity, but you can't see it in WYSIWYG mode when editing – only by position pointers.**



## 8. Saving TOC

In TOC editor TOC can be saved in txt-file only. Use «File – Txt Outline – Save Txt As».

In Structure editor command:

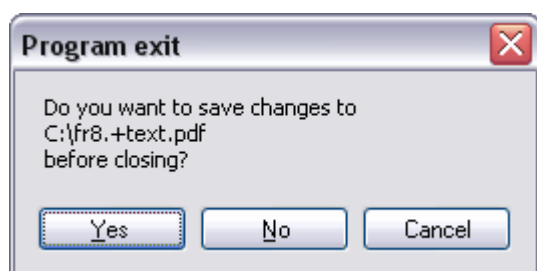
«File – Save Outline» (Ctrl+S) embeds created structured TOC in e-book, opened in «Preview» window. Inactive when no e-book selected for preview.

«File – Insert Outline into e-book» embeds created structured TOC in e-book, selected in standard dialogue window.

«File – Txt Outline – Save Txt As» - saves created structured TOC in txt-file.

«File – Html Outline – Save Html As» - saves created structured TOC in html-file.

If you try to exit program in structure editor without saving TOC appears message box:



## 9. Tips and tricks

### 9.1 Quick learning TOC creation

Read this manual. Examples source text can be copied to clipboard and pasted in [TOC editor](#) using Ctrl+I.

Use hotkeys. Read the tooltips.

### 9.2 Fast start from Explorer

From version 4 program support opening files from Explorer's context menu. Right click on **djvu** or **pdf** file. Select item Open with -> StartBookmarker. (If it not present, add it manually "Choose default program"->"Browse". Default installation path – Program Files\Pdf & Djvu Bookmarker\PdfDjvuBookmarker.exe).

### 9.3 Spellcheck

Copy created TOC to clipboard and paste in text editor with spellcheck. Correct errors, copy the TOC to clipboard and [paste in program](#).

### 9.4 Copy TOC from one e-book to another

Open e-book with TOC «File – Open e-book with Outline». Embed TOC to another file «File - Insert Outline into e-book».

### 9.5 Erase TOC

Sometimes wrong TOC causes errors. Create new TOC with any item, for example «TOC 1», and embed it into the e-book with wrong TOC.

You can use DJVUSED (shipped with [DjVuLibre](#)).

*djvused -e "remove-outline" djvufile -s (claimed function, but it not exists on 03/11/2012 DjvuLibre 4.9 for Windows – may be it will work in next release).*

### 9.6 Extract TOC

If TOC text needed for some purpose, open e-book «File – Open e-book with Outline». Copy TOC to clipboard and paste in text editor or save in txt or html file.

### 9.7 Remove structure from TOC

Fast remove of undesired structure:

1. In structure editor copy TOC to clipboard using «File – Copy Outline into Clipboard».
2. «Paste from Clipboard».
3. Recheck numeration (F7).
4. In message window «Structure creation by tab symbols» press «No».

## 9.8 How to get TOC text from e-book

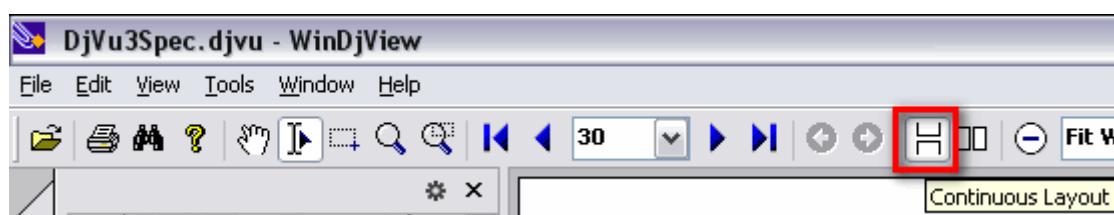
DJVU

Open file in WinDjView. Choose «Select Tool».



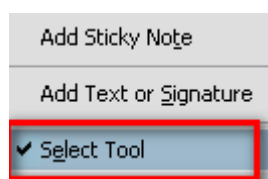
Select table of contents text, copy to clipboard and paste to program.

If text placed on two and more pages choose «Continuos Layout» before selecting:

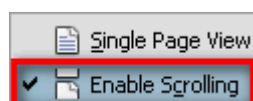


PDF

In Adobe Reader click RMB on text and choose «Select Tool»:



If text placed on two and more pages choose «View – Page Display – Enable Scrolling» before selecting:



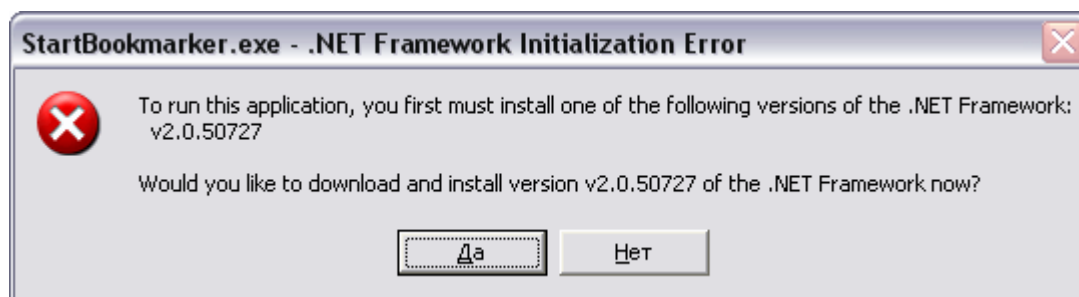
If no text layer present, copy images to OCR-program.

Sometimes table of content can be founded by Internet search.

## 10. Known problems

### 10.1 MS .NET 2.0

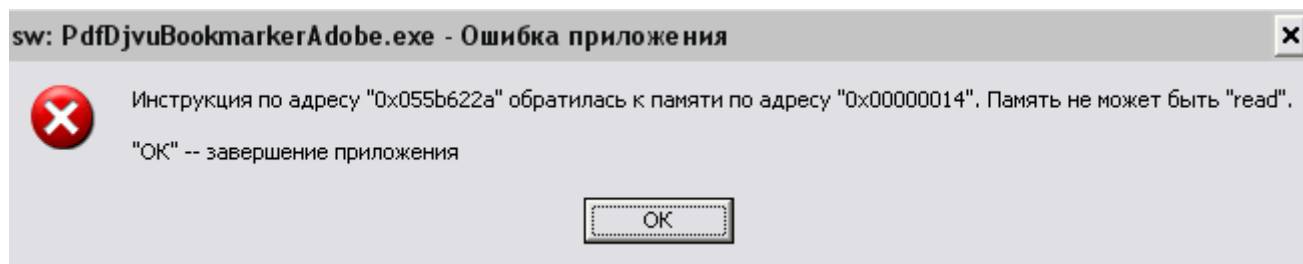
If MS .NET 2.0 not installed, program show error message



See «[System requirements](#)» for MS .NET 2.0 download link.

### 10.2 Error with Acrobat as default pdf viewer

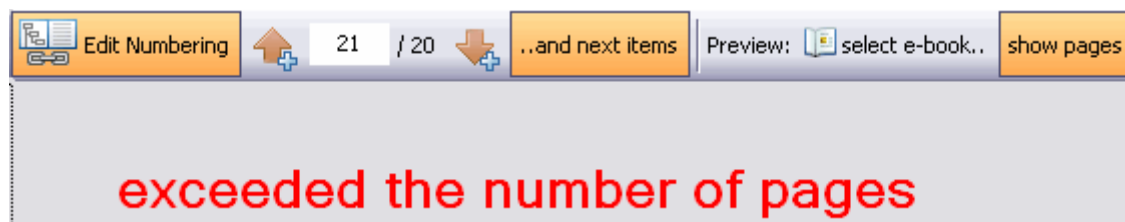
After pdf e-book open for preview and exit error message may appear:



This error does not affect on edited e-book. You can [use recommendations](#).

### 10.3 Error «exceeded the number of pages»

Appears if page number link setted (21 in textbox) bigger than e-book page count (20 after slash), or setted to zero (0<1 – minimum page count).



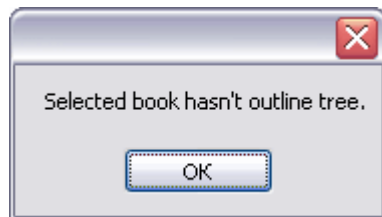
Sometimes appears with correct links. Save TOC – e-book will not be damaged.

### 10.4 Error «Unhandled exception»

It appears if wrong parameters set. Click «Continue» and continue work.

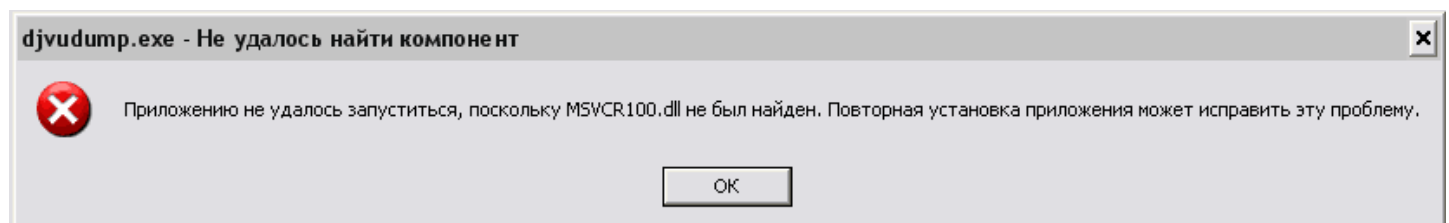
## 10.5 DjVu file does not opened for preview or editing TOC

Some e-books have no TOC at all. In that case when you try to open it for editing TOC appears message:



Some pdf e-books may contain non-standard TOC (it builded by javascript after starting of viewing).

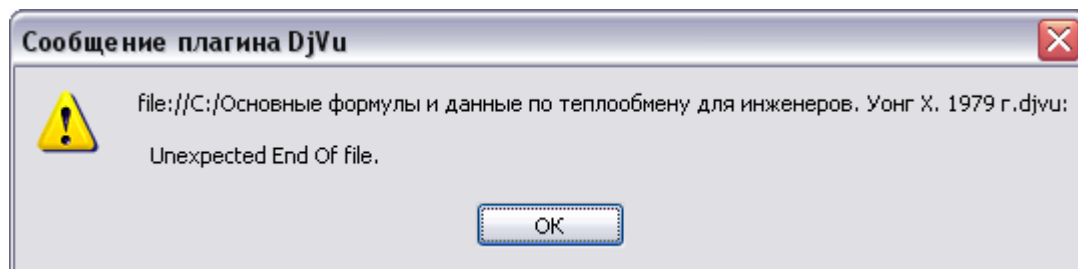
## 10.6 MSVCR100.dll absence



Install MS Visual C++ (see [System requirements](#)).

## 10.7 Unexpected end of file

If you you choose [standard Caminova viewer](#) and open djvu with non-standard TOC (but Windjview or DjView opens the file without errors) appears message:



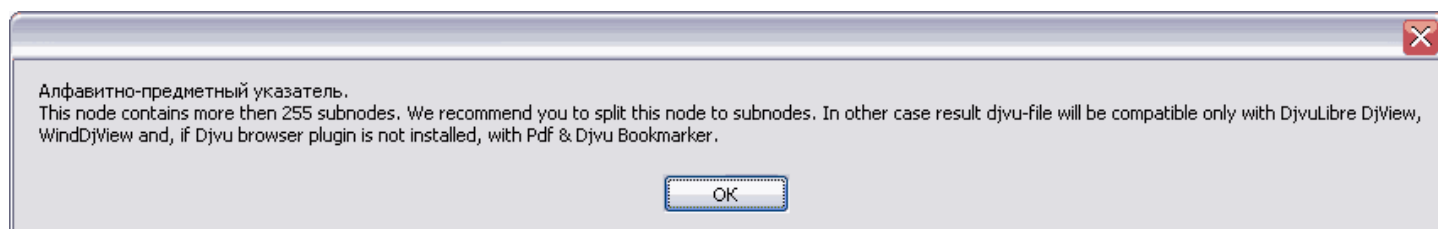
Error message appears if top-level item count more then 255 or if one or more child branches contains more then 255 items. Djvu specification says, that the count of child items of one parent item is "byte" (0-255). So, child number 256 or larger is illegal/

Split long item by creating two or more chid items and move there parts of the long item with count <256.

Long TOC does not supported by official commercial djvu viewers and editors. Windjview, DjView can show such files without any error messages. But such file becomes nonstandard.

## 10.8 This node contains more then 255 subnodes

This error message appears if you try to save non-standard TOC (where one or more items have 256 or more child items):



DjVu 3 specification allow only 255 child items for one parent item. You can split problem item on two or more subitems and place childs there (255 or less on one item).

Or, if you use nonofficial viewers (Windjview, DjView), press "OK" and TOC will be embedded. If you try to edit it again, program (if you choose [standard Caminova viewer](#)) raise error "[Unexpected end of file](#)".

## 11. TOC file format (txt, html)

Program works with txt and html files encoded in UTF-8.

Save TOC files in UTF-8 (UTF-8 without BOM) encoding.

In txt file levels can be set with [tabulation characters](#).

Example (MS Word, tabulation outlined by red):

```
Link to page 1 → 1¶
Chapter 2, no link here → ¶
→ Subsection → 6¶
→ → Link to page 7 → 7¶
→ Link to page 9 → 9¶
Page 10 in book.djvu → book.djvu #10¶
Web-link → http://windjview.sf.net¶
```

Note: Tabulation characters visible if button pressed  (Ctrl+\*).

**Note: All type link can be set in txt-file. Link must be separated from link name by tabulation character. Page number can be separated by space, dot, comma.**

Use HTML-file (BookmarkTool 2.0 format) in UTF-8 encoding (set encoding whike saving text. Tag «charset» will be ignored).

Example:

```
<html>
<body>
<ul>
<li><a href="#1">Level 1. Link to page 1</a></li>
<li><a href="#2">Level 1. Link to page 2</a></li>
  <ul>
    <li><a href="#4"> Level 2. Link to page 4</a></li>
    <li><a href="#5"> Level 2. Link to page 5</a></li>
    <li><a href="book.djvu#5">Link to page 5 in book.djvu</a></li>
    <li><a href="#0.djvu">Link to page name 0.djvu </a></li>
    <li><a href="http://windjview.sf.net ">Link to http://windjview.sf.net
  </a></li>
  </ul>
</ul>
</body>
</html>
```

Link set in tag «a href = «link»». Level can be set by tags <ul>...</ul>.