

J.L.A. Thenach Search & Research Program

this specification file is updated till version 3.4. New versions always have the full functionality of previous versions + new functionality.

for Windows98/Me/2000/XP/Vista/Win7

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Program of the

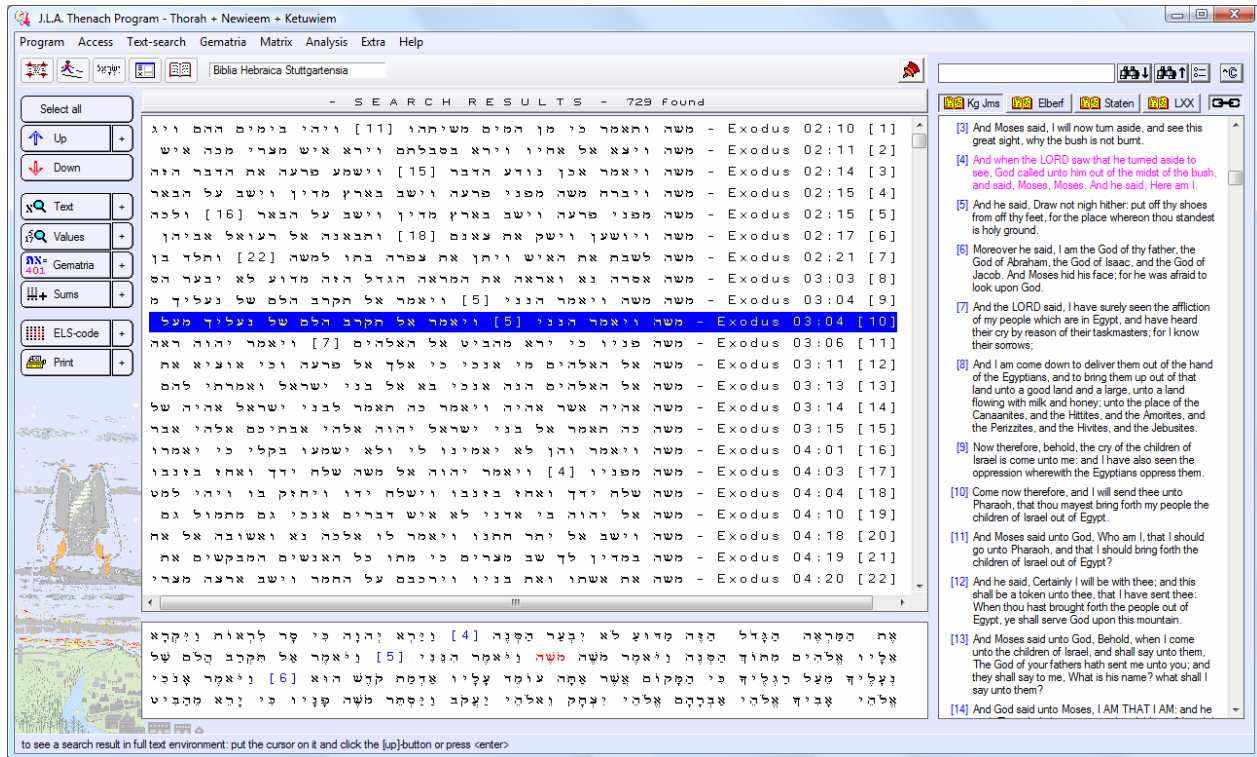
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The greatness of an Almighty G'd can not be limited to the surface of the Biblical stories. The J.L.A. Thenach Program was developed to research the hidden depths of the Thenach. Everybody, who also wants to occupy himself with it, can download this program free of charge from the website:

www.luriaacademie.eu

The program window

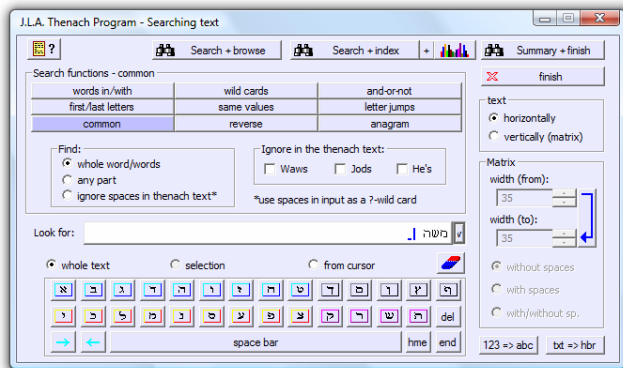


J.L.A. Thenach Program - The program window

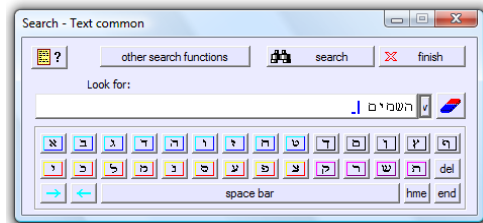
You can start the basic functions quickly by clicking the buttons left. There are two versions of them. Those for common use you start with the big buttons; the extensive functions are on the small [-]-buttons. You can let run the King James Bible parallel to the Hebrew text in all program phases or close it.

1. Text search functions

extensive function:



simple function:



extensive function:

- * text common:
 - whole word/words, part, text spaces ignored, searching waw/jod/he-independently

- * reverse text:
 - reverse left < - > right and alphabetically (theth = aleph, ...) and both, whole word/words, part, ignoring text spaces
- * anagram
 - (with transposed letters) - whole word/words, part
- * first/last letters
 - text, made up by 1st/2nd/3rd/... letters from the beginning or the end of words-verses-chapters, according to your input or reverse
- * same numerical value
 - searching text with the same numerical value as your input (count arrays for the input and the text to be found separately adjustable)
- * letter jumps
 - searching text in letters with the same number of characters between them. Spaces counted or not. According to input or reverse
- * words in/with
 - all Bible words, of which the letters occur in your input. All the Bible words with the letters of your input occurring in them. According to the sequence of your input or arbitrarily
- * wild cards
 - with asterisk (*) - as usual. With question-mark (?) - as usual. With [] and {} to make the letter to be replaced conditionally variable
- * and/or/not/... operators
 - searching words together or without others within an adjustable range width of words. Words which must be found both (and) or one of them (or). Words which must be excluded from the search (not). The from-to-operator finds text with all words between two given words

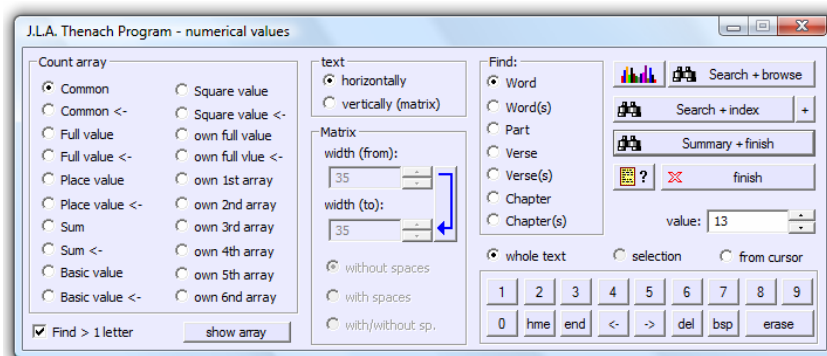
numbers written out in words

converting numbers (with digits) into Hebrew Text filled in in the input box of the search dialog window.

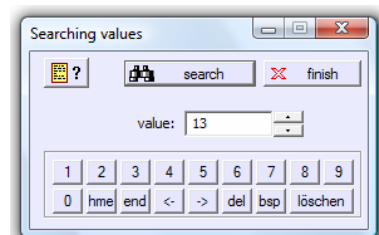
All search functions are applicable to both the horizontal (Thenach) text and the vertical (matrix) text with or without spaces. 100.000 search results listed at once. The search result under the cursor is visible in limited text environment below. With the button [up] you open it in full text environment. With the button [down] you return into the list of search results with kept cursor position. Search results are highlighted (red). You can search in the whole text, from cursor or in a selection. You can also browse from search result to search result without list. Text input with the keyboard (without changing your computer settings) or the Hebrew mouse keyboard.

2. Searching numerical values

extensive function:



simple function :



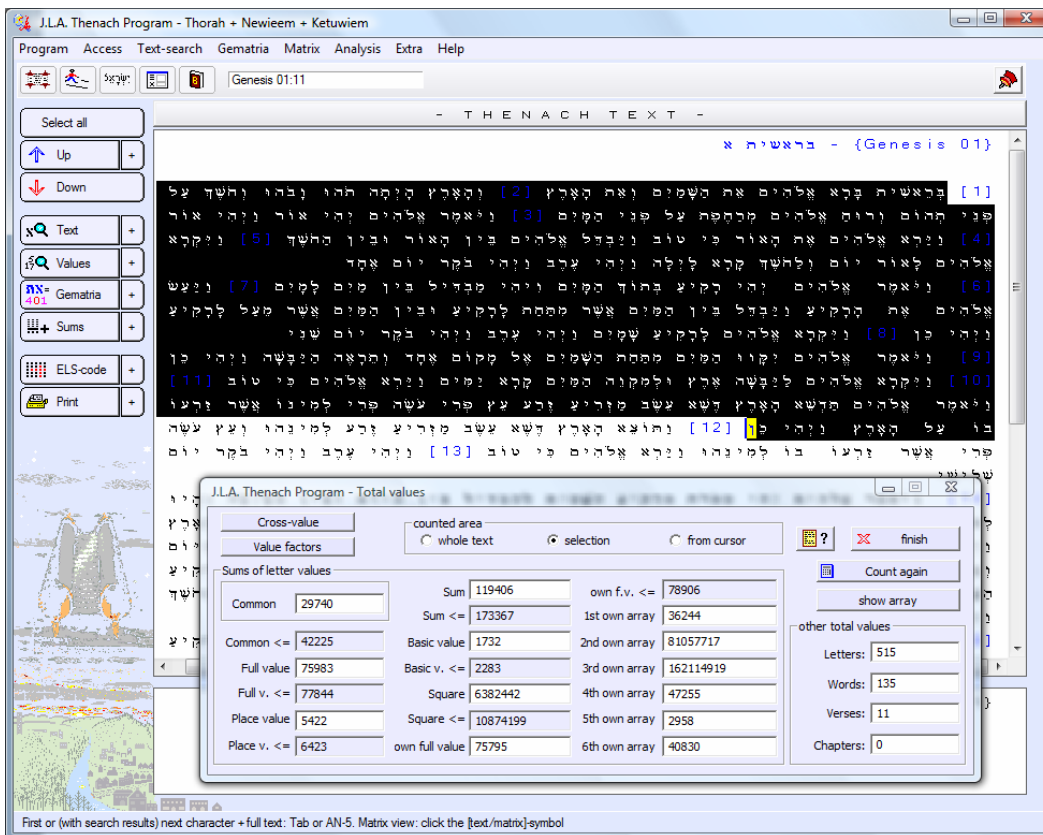
extensive function:

- * searching numerical values of:
 - word, words, part, verse, verses, chapter, chapters
- * with the arrays:
 - common (1,2,...,400), full value (111, ...), place value (1-22), sum (1-3-6-10), basic value (1-9), square value. This arrays reverse too
- * with own arrays:
 - 6 own arrays and an own full value array (you can edit and save them within the program)

All numerical value search functions are applicable to both the horizontal (Thenach) text and the vertical (matrix) text with or without spaces. 100.000 search results listed at once. The search result under the cursor is visible in limited text environment below. With the button [up] you can open it in full text environment. With the button [down] you return into the list of search results with kept cursor position. Search results are highlighted (red). You can search in the whole text, from cursor or in a selection. You can also browse from search result to search result without list.

3. Sums

(extensive and simple function)



The sums in the dialog window change on changing the selection. You can see the cross-sum ($463 = 13 = 4$) and the value factor ($132944 = 2 \times 2 \times 2 \times 2 \times 7 \times 1187$) of every value by putting the cursor on it and clicking the buttons [cross-value], [value factors]

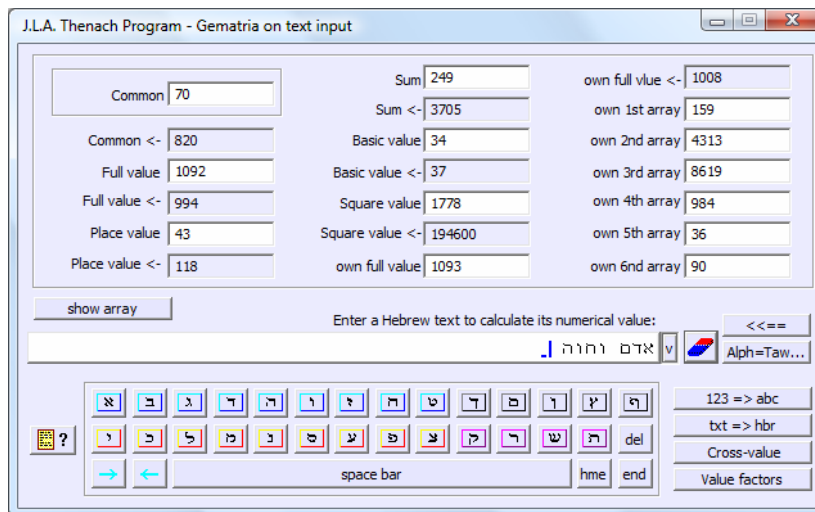
extensive function:

- * **Sums of:** - gematria (letter values), number of letters//verses/chapters
- * according to the arrays: - common (1,2,...,400), full value (111, ...), place value (1-22), sum (1-3-6-10), basic value (1-9), square value. This arrays reverse too
- * according to the own arrays: - 6 own arrays and an own full value array. You can edit and save them within the program

The function sums is applicable to both the horizontal (Thenach) text and the vertical (matrix) text with or without spaces with horizontal or vertical selection. You can calculate the sums of the whole text, from cursor position or of a selection. From cursor position or with a selection the sums change with in the dialog window if you move the cursor or change the selection.

4. Gematria

on text input



(extensive and simple function)

The sums in the dialog window change while typing text. You can see the cross-sum ($463 = 13 = 4$) and value factors ($132944 = 2 \times 2 \times 2 \times 7 \times 1187$) of every value by putting the cursor on it and clicking the [cross-value]- or [value factor]-button. You can set your text reverse: (right < - > left) and calculate its numerical value also alphabetically reverse ([Aleph = Taw]-button).

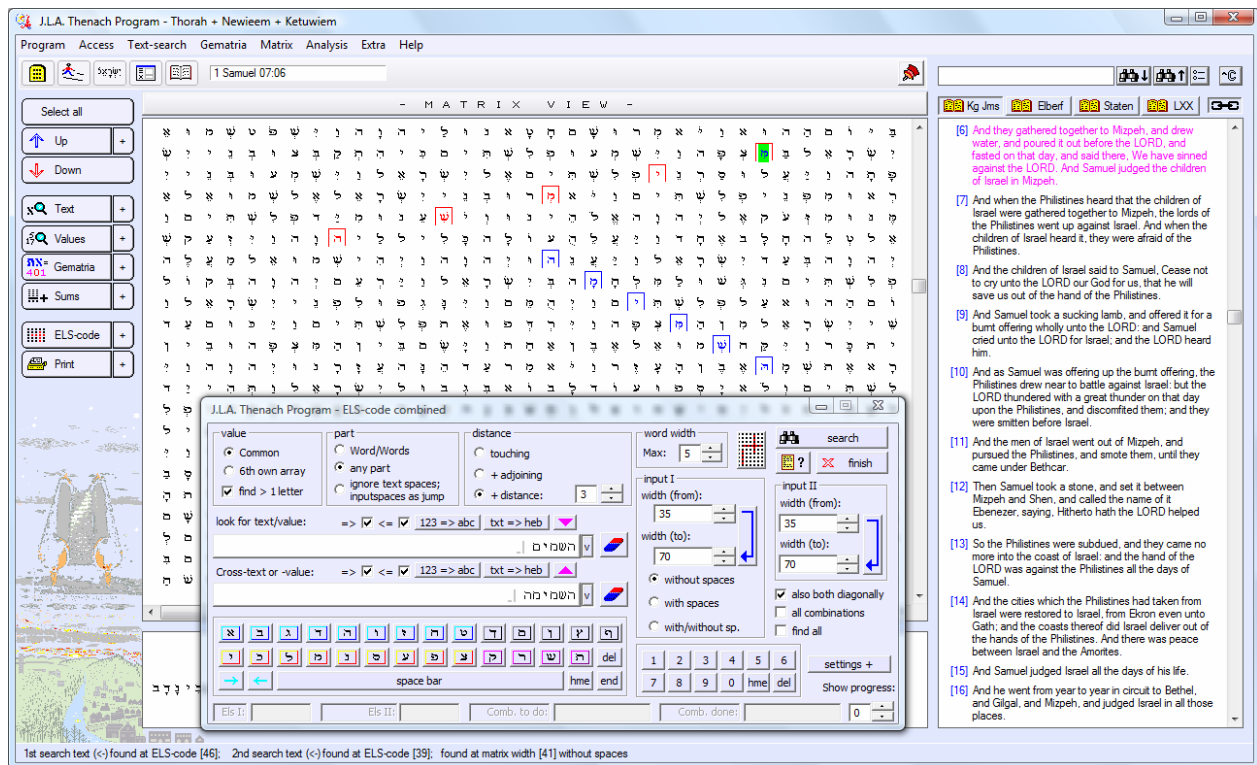
extensive function:

- * with the arrays: - common (1,2,...,400), full value (111, ...), place value (1-22), sum (1-3-6-10), basic value (1-9), square value. This arrays reverse too
- * with the own arrays: - 6 own arrays and an own full value array. You can edit and save them within the program

The sums change with while typing text. You can also convert numbers (with digits) into Hebrew text ([123 → abc]-button) to see their full values.

5. ELS Code cross-search

(simple and extensive function and ELS-code standard function)



- extensive function:

- * Searching for:
 - Text or numerical values horizontal or vertical/diagonal with text or numerical values horizontal or vertical/diagonal
- * Distance
 - touching (one same letter), adjoining, within a distance (1 to 60 letter jumps)
- * Text directions:
 - pure horizontal/vertical, arbitrarily diagonal
- * Word width:
 - 1 to 20 jumps between letters
- * Matrix:
 - Without spaces or with spaces (all Thenach words separated by one single space)
- * Other settings:
 - word/words, part, ignore text spaces and input spaces as jump

100.000 search results listed at once. The search result under the cursor is visible in limited text environment below. With the button [up] you open it in full text environment. With the button [down] you return into the list of search results with kept cursor position. Search results are highlighted (red). Search results over the matrix borders you can view as a whole with the panorama-matrix-view (^M). Text input with the keyboard (without changed computer settings) or the Hebrew mouse keyboard. You can switch the progress indicator on/off while searching.

6. Text analysis

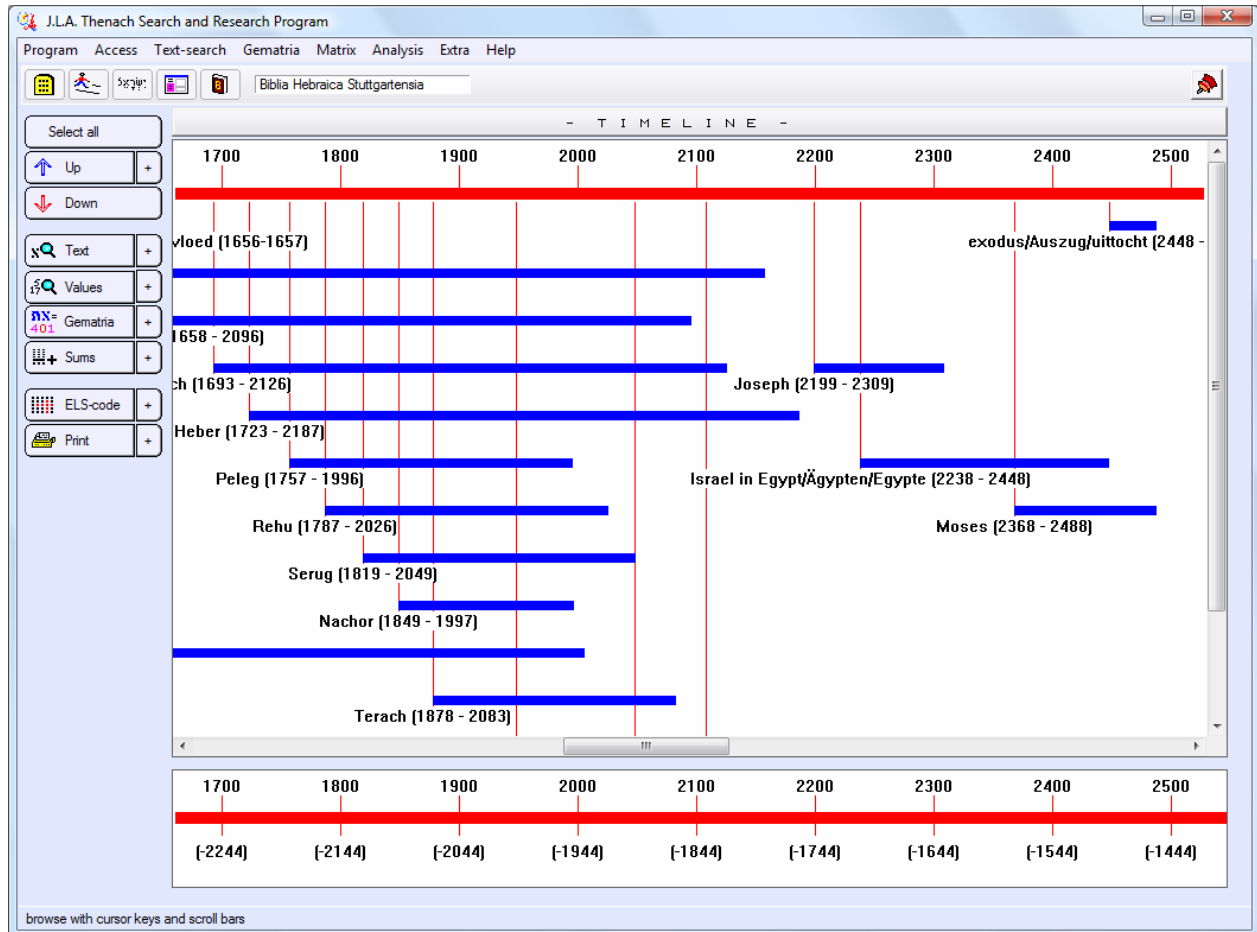
The function "analysis" extracts lists from the Thenach, the loaded Thenach parts or books according to:

- * letters:
 - number of letters Aleph, Beth etc.
- * words according to:
 - numerical value - large > small, small < large, Thenach order, alphabetical order
 - number of letters - large > small, small < large, Thenach order, alphabetical order
 - n occurrences - more > less, less < more, Thenach order, alphabetical order
- * verses according to:
 - numerical value - large > small, small < large, Thenach order, alphabetical order
 - number of letters - large > small, small < large, Thenach order, alphabetical order
 - number of words - large > small, small < large, Thenach order, alphabetical order
- * chapters according to:
 - numerical value - large > small, small < large, Thenach order, alphabetical order
 - number of letters - large > small, small < large, Thenach order, alphabetical order
 - number of words - large > small, small < large, Thenach order, alphabetical order
 - number of verses - large > small, small < large, Thenach order, alphabetical order
- * books according to:
 - numerical value - large > small, small < large, Thenach order, alphabetical order
 - number of letters - large > small, small < large, Thenach order, alphabetical order
 - number of words - large > small, small < large, Thenach order, alphabetical order
 - number of verses - large > small, small < large, Thenach order, alphabetical order
 - number of chapters - large > small, small < large, Thenach order, alphabetical order
- * palindrome (such as d-e-e-d) - only words, parts too
- * text in letters with alphabetical jumps (such as a-c-e, e-c-a) - only words, parts too, adjustable alphabetical jump
- * identical text parts - all identical passages of the whole Thenach (of the "Old Testament"). Minimum number of words adjustable
- * reverse text parts - all pairs of texts in the Thenach (in different places) which are reverse to each other. Minimum number of letters adjustable, only words, parts too
- * numerical values sequences - from 2 to 15 values. Absolute or proportional (such as 1:4, 1:3:7). Numerical value sequences of letters, words, parts, verses, chapters one after the other in the Thenach. With all standard arrays and own count arrays
- * ELS-code (3 extra functions) - 1. which Thenach words cross your input in the Thenach text. 2. Thenach text vertical. 3. all Thenach words which are crossing the letter or word under the cursor in ELS-code jumps
- * rearrangement of Thenach text - rearranging the letters of a Bible text selection in every possible way into new words (using the almost 40.000 different Thenach words). With a translation per word (in German)

You can print and see the complete lists in the main window. You can extract lists from own text files too. Lists can be saved and loaded again. Lists can be loaded for comparison in sub windows too. You can edit lists and orden them as part of the popup menu on the right mouse key

7. Timeline

Graphic reproduction of the most important dates in the Bible:



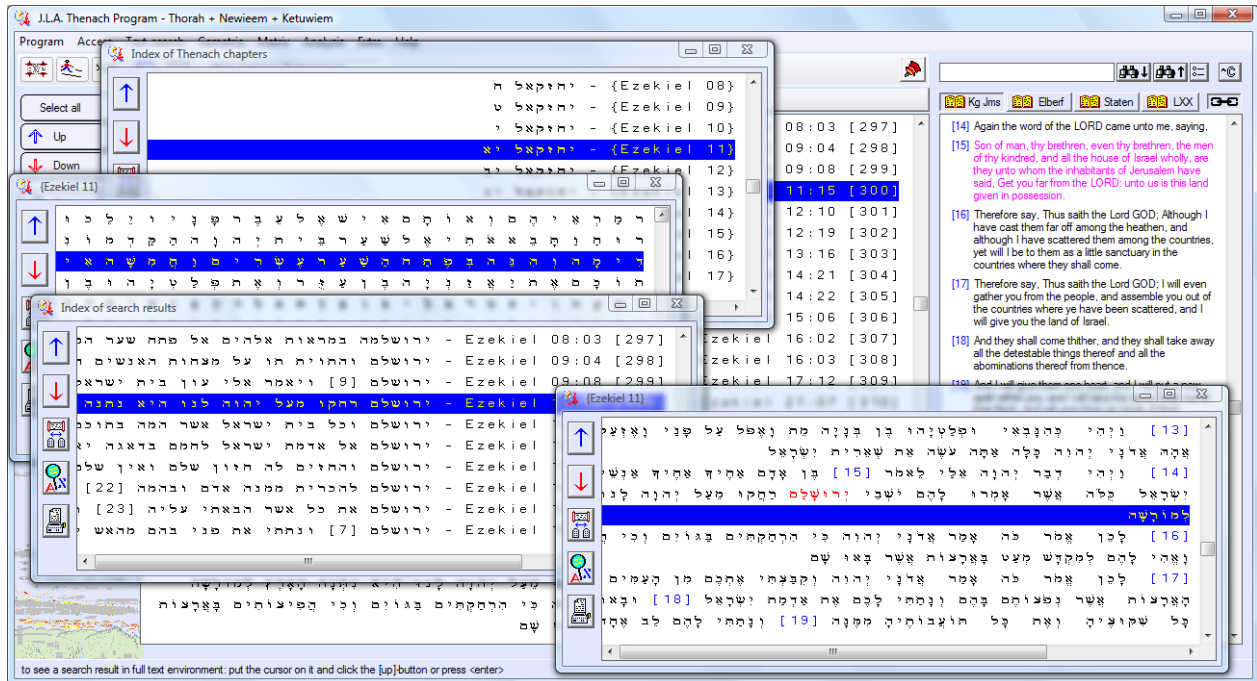
only date are visualized which can be found in the Bible,

8. Adapting Thenach text

For special purposes, such as ELS code research you can adapt the Thenach text according to own judgements (there are different old manuscripts of the Bible). You can save the adapted Thenach text (without vowels) as a new own text file and open it separately or integrate it at the lowest program level with the list of the (standard) Thenach parts to load them directly by clicking on it. All search functions and matrix functions and the function sums and the text analysis are fully applicable to own text files too. You can edit and integrate in principle even complete new texts files (verse numbers and chapter headings etc. are checked at loading the file).

9. Sub windows

To compare texts and search results and list of the text analysis, you can open an in principle unlimited number of sub windows:



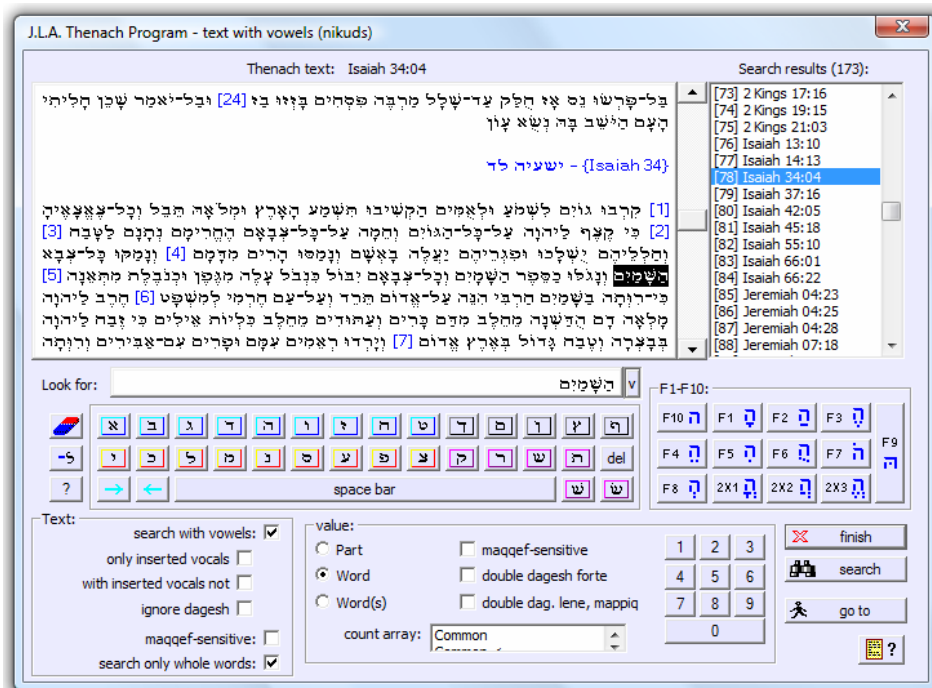
- at creating that is loaded what is under the cursor (Thenach text or search results or lists of the text analysis). With Thenach text you can switch between the index of the Thenach chapters and the Thenach text and between text- and matrix view. With search results you can switch between the list of the search results and the view of a search result in full text environment. You can change the size of each window.

Moreover you can work with two program processes at the same time, dividing the screen horizontally or vertically. Both processes once again can open an unlimited number of sub windows.

Sub windows have an own print and search function. With this function you can also find title Hebrew (blue chapter headings etc.) and western text, so you can search for example in lists of search results themselves by loading them in a sub window and clicking the magnifier.

10. Searching text with nikuds (vowels)

Thenach text can also be read and printed both horizontally (Bible text) and vertically (matrix text) and red highlighted search results included with the vowels according to the vowels of the different Tenach versions. Moreover the Thenach program contains a module for searching thenach text with vowels:



Vocals can be conveniently inserted in the search text with the buttons to the right of the mouse keyboard or with the keys F1-F10. You can also search for numerical values in the vocalized text counting letters with a "Dagesh Forte" twice or not.

A popup window appears in the main window of the Thenach program if the mouse cursor hovers over a Thenach word. You can also see the vocals of the word in it as it is written there if the representation of the vowels is switched off. If the word is one of the 12.500 most frequent words also its grammar appears in the popup window. You can leave a dialog window with explanation of the abbreviations opened on the screen:

מְרָה top

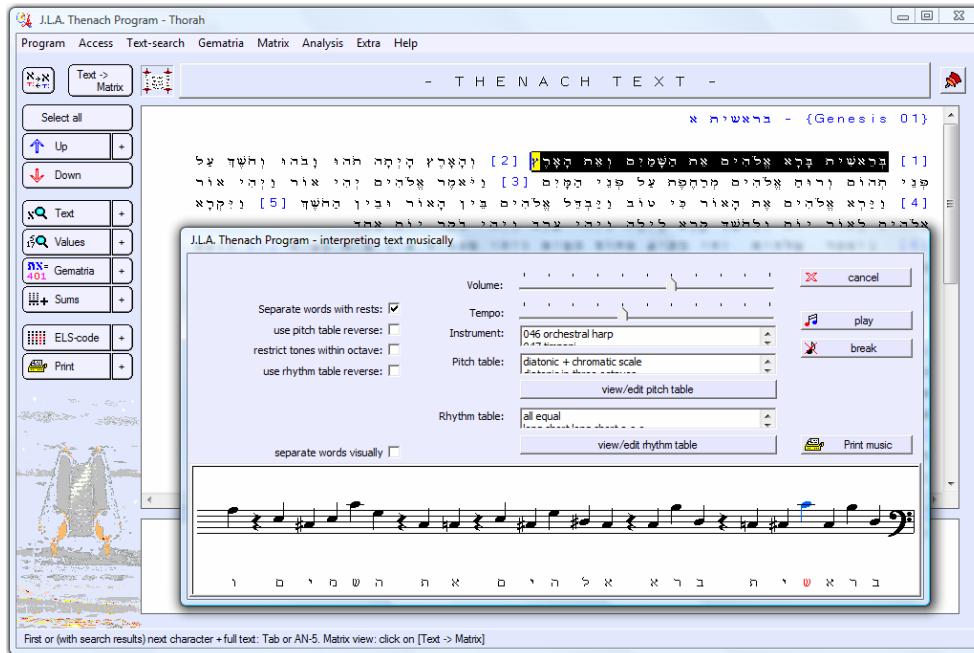
1. מְרָה - NP top (= Mare) (Ex 15:23)
2. מְרָה - verb. qal perf. 3. p. f. sg. (מָרָה) (1. Sa 30:6)
3. מְרָה - adj. f. sg. (מֶרָה (m), מְרָה (f)) (2. Sa 2:26)
4. מְרָה - nomen f. sg. (מֶרָה (m), מְרָה (f)) (Ez 27:30)
5. מְרָה - verb. qal perf. 3. p. m. sg. (מָרָה) (1. Reg 13:26)
6. מְרָה - NP top (= Mare) (Deut 11:30)
7. מְרָה - verb. hif. part. m. sg. (מִרְה) (Prov 6:13)
8. מְרָה - verb. qal part. m. sg. (מָרָה) (2. Reg 14:26)

Numerical value = 245, Cross value = 11,
 Value factors: 5 x 7 x 7,
 Occurs for xth time (w.o. vowels): 1 (of 11)
 letter 100878 (of 1197042 letters)
 word 26601 (of 305494 words)

If the cursor hovers over a verse number the whole verse with vowels becomes visible in a popup window.

11. Analysing Thenach text musically

Hebrew letters can be linked to a pitch and a rhythm (the length of a note). The musical analysis function plays a selected Thenach text with seven different pitch tables and rhythm tables on the sound card of your computer. You can adapt these tables and save them, separate words only visually or with played rests, choose one of the 127 (midi-instrument)-sounds, adapt volume and tempo. The note and letter played are highlighted (blue and red). Tables are also reverse applicable. You can print the music (score) of the selected text (up to the whole Thenach text).



12. More

- * linear translation (Gen - Kings II, Proph, Ps., Prov., Job) - **(only German)**. If you move the cursor through the Thenach text, the translations in the lower small window run with - one line per word
- * "go to" (^G): - opens a scriptural passage (book+chapter+verse) in both the horizontal and vertical text mode
- * chart function - visualizes search results of the [text][+] and [value][+] -search functions graphically per book, chapter, verse, letter, so you can see the maximum and minimum occurrences at a glance. You can print the charts and copy them to the Windows-clipboard
- * ^F function: - finds a next identical passage by selecting a passage in the horizontal or vertical text and pressing ^F
- * arrowkey AN-5 or Tab-key: - bring the starting-point back on the screen. With search results this keys let jump the cursor to the next (highlighted) letter of the search result

- * filter/sort (^U) - filters and sorts search results. Deletes double search results, waw-/he- /... words, selections. Sorts search results alphabetically, according to numerical value, according to Thenach-order
- * copy (^C): - copies formatted (^C) or unformatted (^shift^C) selections of Thenach text, search results, lists, matrix rectangles to the clipboard for word processors such as Word, Wordpad, Word Perfect
- * matrix stone table view: - reproduces Thenach text vertically with adjustable matrix width and with or without spaces with borders (also without searching)
- * panorama-matrix view: - reproduces matrix texts without borders in both horizontal and vertical endless-loops (also without searching)
- * bearings window (small window under the menu bar): - indicates the position of the cursor in the Thenach in both the horizontal and vertical text view (e.g. 2 Samuel 13:5). At the lowest level you see the current Thenach version in it
- * saving/loading search results - you can save and reload the search results *with text environments* (after reloading everything is as it was after searching) or without text environments
- * three languages: - German, English, Dutch. You can switch between them without restarting the program
- * computer language used - C (high speed) and critical routines in ASM - (machine language - highest possible speed)
- * program copy - for an easy program distribution (e.g. among members of an Bible group) the "help | program copy" -function copies a full program version on memory stick or CD-RW (ready to install)
- * manuals: - English, German, Dutch (Help-F1)
- * Thenach text (the "Old Testament") - full Masoretic text (Thora, Ketuwim, Newiim) with vowels in four versions: standard text, Biblia Hebraica Stuttgartensia 1997, Westminster Leningrad Codex 2005, Aleppo Codex (according to the Jerusalem Keter). Chapter headings in Hebrew and western text, highlighted (blue). Western or Hebrew verse numbers (adjustable) between brackets, highlighted (blue)
- * printing - Thenach text (full, selections, pages), matrix text (full, pages, horizontal selections, rectangle selections), matrix panorama text (rectangle selections), timeline (full), music (selections up to the whole Thenach text), lists of the text analysis (full, selections, pages), lists of search results (full, selections, pages)
- * searching: - browsing through search results with or without opened search dialog windows. Search dialog windows can be minimized while browsing. Search results are shown with Hebrew text beginning and western Bible passages (e.g. 2 Samuel 13:5)
- * cursor position - switching between the horizontal and vertical text view the cursor position is kept and with search results the letters of them remain highlighted. So you can easily study vertical search results in the horizontal Thenach text and conversely

- * text with vocals
 - with the "Israel"-button left at the top of the main window you can switch the nikuds (vowels) on/off
- * popup windows
 - if the mouse cursor hovers over a Thenach word, a popup window appears with the numerical value, the cross value, the value factors of the word and the number of occurrences of the word in all and until the cursor position in it. If the word is one of the 12.500 most frequent Thenach words you can also see its grammar in it. You can also make your own tips with Western and Hebrew characters (with or without vowels), Greek characters (lower-case), four colours, italic, bold, underlined for every of the almost 40.000 different Thenach words
- * two program processes:
 - you can open two program processes, dividing the screen horizontally or vertically
- * search domain
 - search- and analysis functions are applicable to the whole Thenach or Thenach parts (Thora, Ketuwim, Newiim) or single Bible books (Samuel/Kings/... can be loaded single or in pairs). So ELS-Code researchers e.g. can search in single Bible books without overlapping search results too
- * own mouse menus
 - lists made with the section "analysis" can be edited too (copying/cutting/inserting lines and adapting lines with a line-word-processor) and be saved and loaded again. Frequently used lists you can include under free titles and linked with their files in two levels in the standard menu of the right mouse button, so they can be quickly loaded in sub windows or in the program main window at every time
- * module for searching text with vowels
 - searching vowels: 1. as entered - 2. only the entered vowels; the other letters will be found with every possible punctuation - 3. all vowels except the entered ones (NOT-function) - 4. these three modes with or without regard for dageshes - 5. using question marks to find every letter with every vocal on the position of the question mark. You can also search for text and values Maqqef-sensitive (words connected by means of a maqqef will be regarded as one single word). You can search for numerical values counting letters with a dagesh twice
- * quick start
 - a help window appears at program start (can permanently be switched off/on). It offers the beginner a quick survey of the program structure and how to use the program without studying the manual first