

HWAFM (the harmonic wave analysis of the financial markets)

Platform: MetaTrader 5

Note: MetaTrader 5 you can do more and better than the MetaTrader 4. But despite this, during the development had always something to invent. For example "HWAFM_instrument" is implemented as an advisor not a good life, but due to the fact that the developers have changed the algorithm of the indicators.

A few words about the search engine.

- Can work with any patterns, based on the points (in this version at the extremes of ZigZag and fractals)
- Allows you to quickly connect new types of pattern (modular system)
- Allows simultaneous use of one type of pattern with different filters
- Any pattern in the system is characterized by two basic features:
 - o In the process of forming - if you can redraw the last point
 - o Private - temporarily hidden
 - o Removed - placed in the basket

At these signs of underlying business logic is tied

- At the stage of development and testing of many parameters hard-coded into the executable. Later on they will need to be imposed in the configuration files or in real-time settings.

Mini-FAQ

Question:

And why under MT5? under MT4 or what?

Answer:

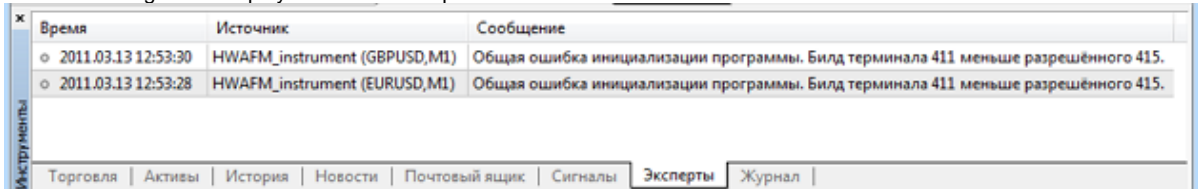
He can not write on the MT4 in the form in which it is now ... In addition, he worked not for automated trading ... so the question arises: what is the difference where to look?

Question:

I do not understand what was going on? The program does not run! The graph itself is closed!

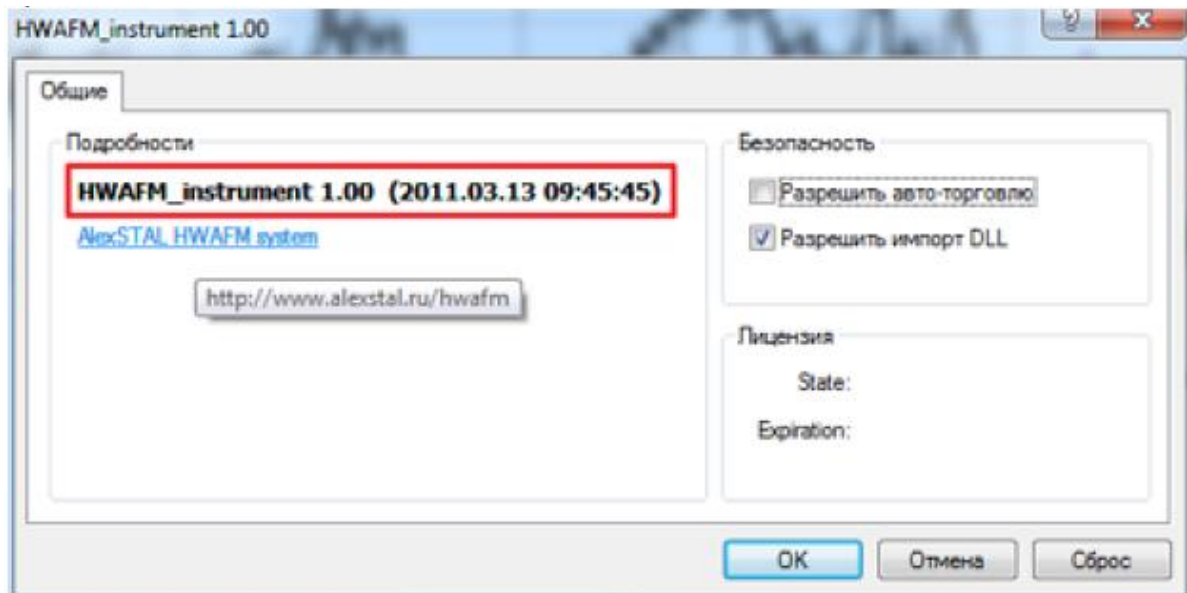
Answer:

All error messages are displayed in the tab "Experts" box "Tools": _____



Downloads

- Official Website of the complex: <http://www.alexstal.ru/hwafm>
- Always update your search and analytic complex to the latest version.
- The version numbers of executable files can be viewed in the program when you install the MetaTrader 5 expert on the schedule:



The system comprises:

\ MQL5 \ Experts \ HWAFM \ HWAFM_instrument.ex5

Advisor to search for and display the entire picture for the instrument on which it is installed.

\ MQL5 \ Experts \ HWAFM \ HWAFM_survey.ex5

Adviser is to accumulate and display all the information of all installed advisers HWAFM_instrument.ex5. Set once (if necessary - the component is not mandatory) on any free chart with any period. Mounted directly on the chart, making colors in this drawing blank. You must first manually delete all the lights and objects with this schedule.

\ MQL5 \ Indicators \ HWAFM \ HWAFM_stub_instrument.ex5

Technical support indicator. Manually at the graphs do not add!

\ MQL5 \ Scripts \ HWAFM \ HWAFM_run.ex5

Script to automatically apply the pattern for the EA HWAFM_instrument.ex5

\ MQL5 \ Files \ HWAFM \

HWAFM template.tpl

HWAFM template XXX.tpl

where XXX - name of the tool

Template files are automatically applied when you open a new tool windows script «HWAFM_run.ex5». First attempt to open an individual template for the instrument, if not total success. Rules for the Manufacture, see below in the appropriate section of the documentation.

\ MQL5 \ Files \ HWAFM \

HWAFM instrument.ini

HWAFM instrument XXX.ini

where XXX - name of the tool

Setting up search engine

\ MQL5 \ Files \ HWAFM \

HWAFM pattern ww.ini

HWAFM pattern ab = cd.ini

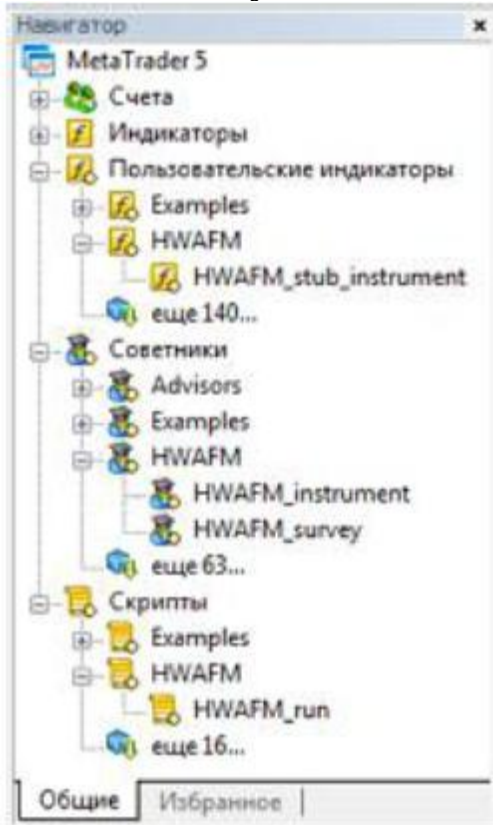
HWAFM pattern XXX.ini

where XXX - type name of the pattern

Setting the graphical representation pattern

Installation

1. Open «Open Directory data» (this directory depends on MetaTrader 5, choose "File» the permissions of the operating system and enabled the regime UAC, in more detail: <http://www.metatrader5.com/ru/terminal/help/startworking/start#guest>)
2. Unzip the archive and place it in an open directory all files with the given hierarchy
3. In the tree window "Navigator" tab "Advisors" to select, right-click "Update" folder should appear «HWAFM»:

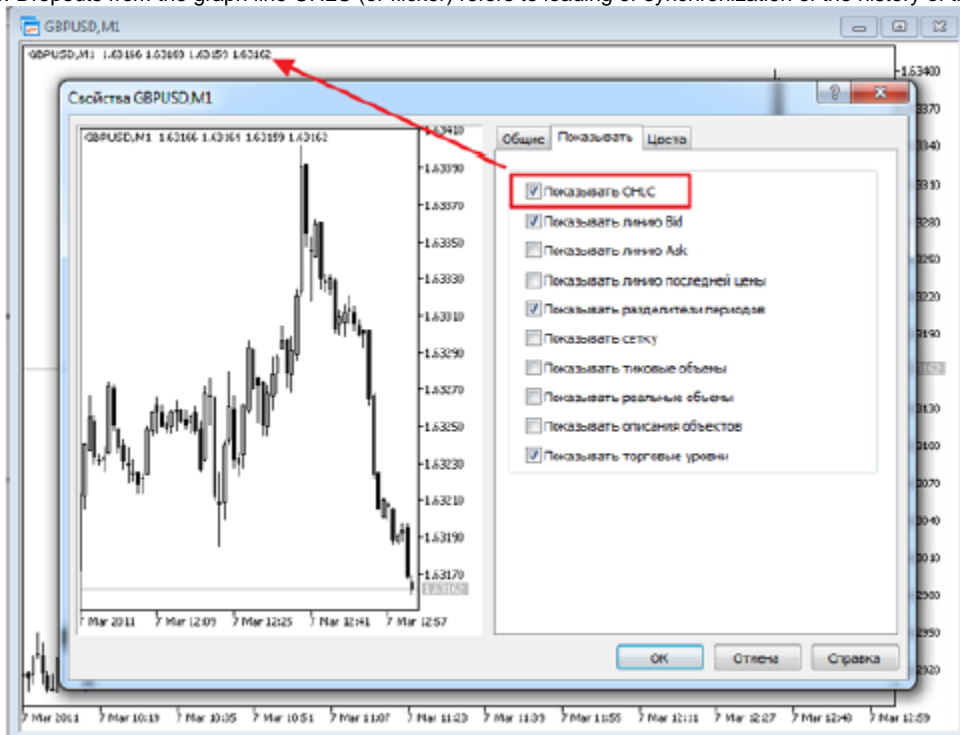


Subtlety at work with MetaTrader 5

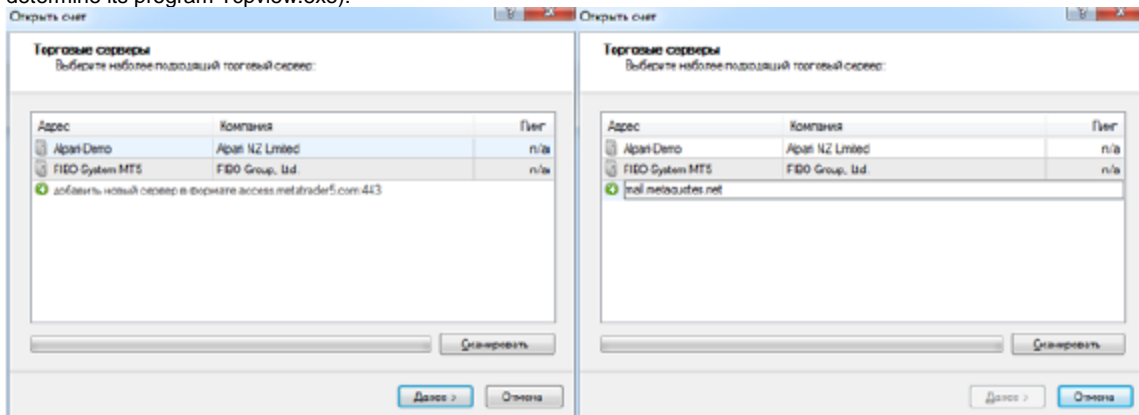
1. The most important parameter of the terminal is "Max. bars in the window" (http://www.metatrader5.com/ru/terminal/help/settings/settings_charts). For this development rather minimally acceptable number of bars
2. When you initially add to the plot, the story which is not loaded in the manual mode, perhaps a very long process of downloading and syncing the story by means of the terminal (http://www.mql5.com/ru/docs/series/timeseries_access). Updated

information will be the extent of providing the history of the terminal.

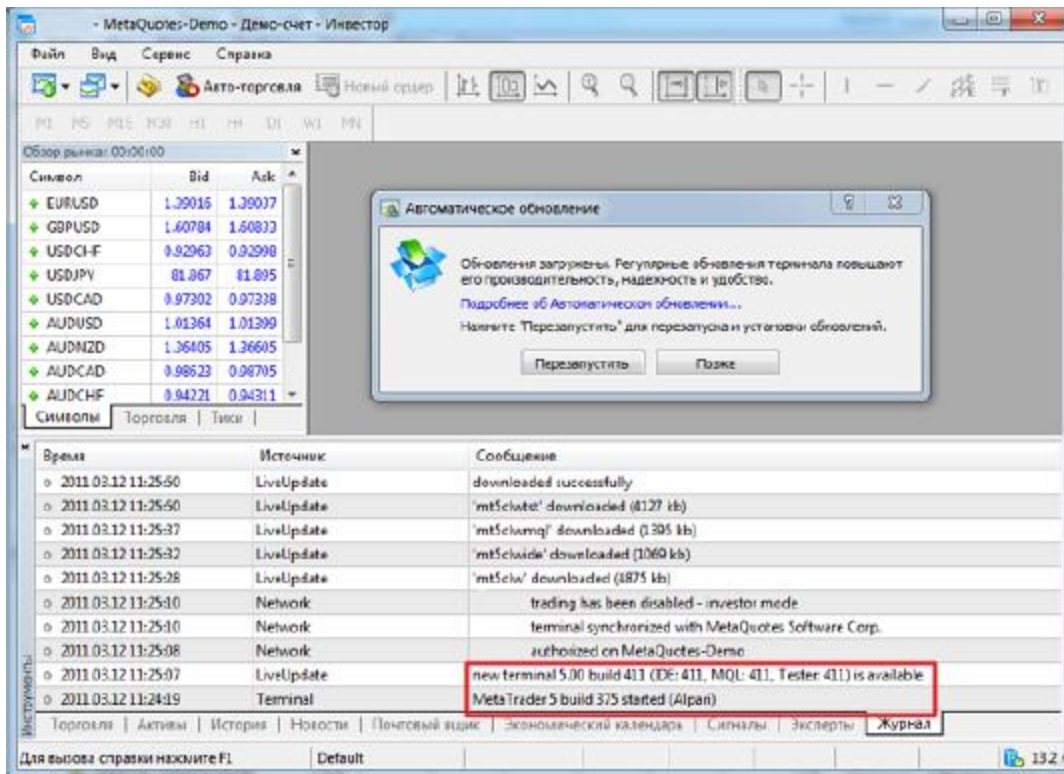
3. Dropouts from the graph line OHLC (or flicker) refers to loading or synchronization of the history of the terminal MetaTrader 5.



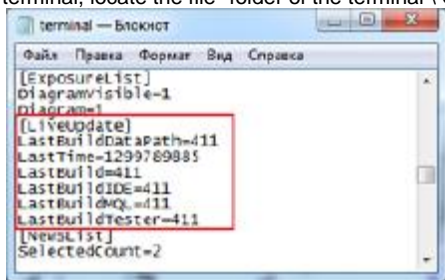
4. Upgrading of the terminal to the latest version for the search engine (build a terminal). Here, the same has its own quirks. The terminal server is updated with a broker, which is determined by the current account in the program. Brokers are often not on time and promptly update their server to the current version. There is one simple way. Temporarily open or connect to the same terminal through a demo server developers of the terminal. If it is not listed, then try to add the «mail.metaquotes.net» (as I determine its program Tcpview.exe):



When you connect to this account must be activated by updating the terminal:



If the update does not start, you can try to close and open the terminal again. If this does not help, you can try to close the terminal, locate the file "folder of the terminal \ Config \ terminal.ini" and completely remove the section «* LiveUpdate +»:

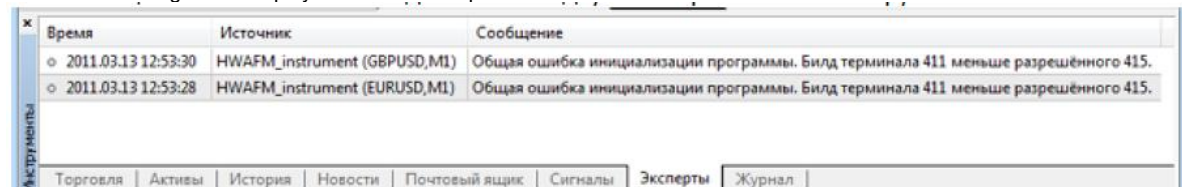


Save the file and run the terminal.

After a successful update and restart the terminal, you can switch to your account.

Activation of the system on the selected tool

1. Open a new schedule of necessary tools
2. Then there are two ways:
 - a. Add adviser «HWAFM \ HWAFM_instrument»
 - b. Run the script «HWAFM \ HWAFM_run» for automatic application of pre-made template
3. All error messages are displayed in the tab "Experts" box "Tools":



Внешний вид HWAFM_instrument



Main areas:

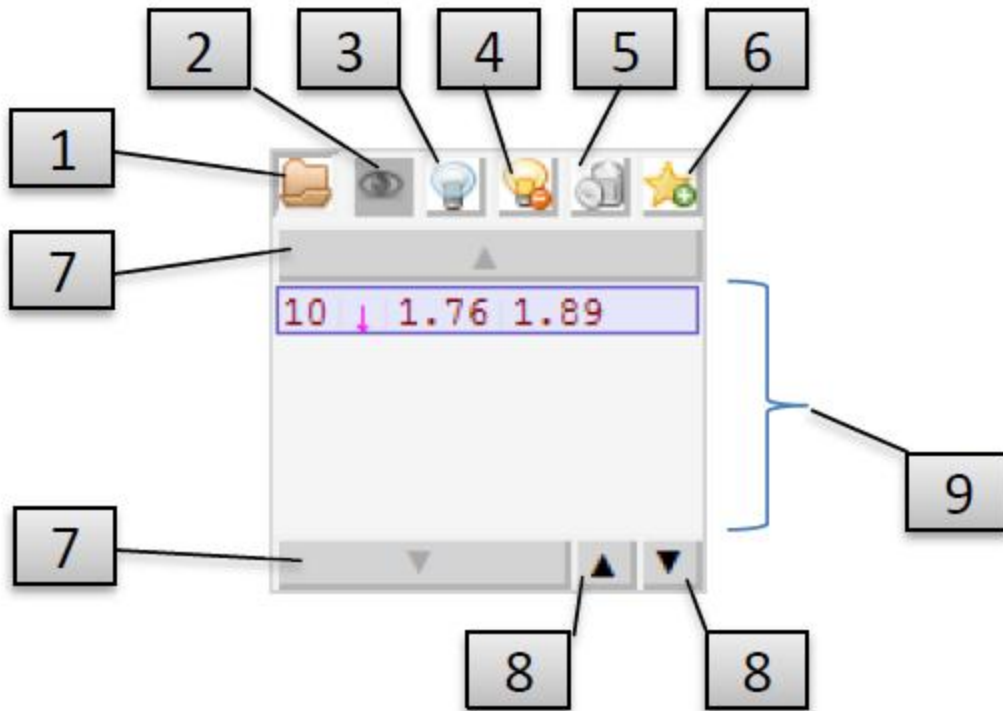
1. Current state councilor «HWAFM_instrument.ex5».
2. Graph, a visual display of patterns.
3. The panel "found patterns", displays patterns found for the selected period and selected type of pattern (the choice made in the zone 4).
4. The panel "Favorites".
5. A summary of all detected patterns for a given financial instrument.

zone 1
The presence of the text means employment system. Warning: If the active label, do not work with this schedule! Do not change the periods by means of the terminal (from menu or toolbar).

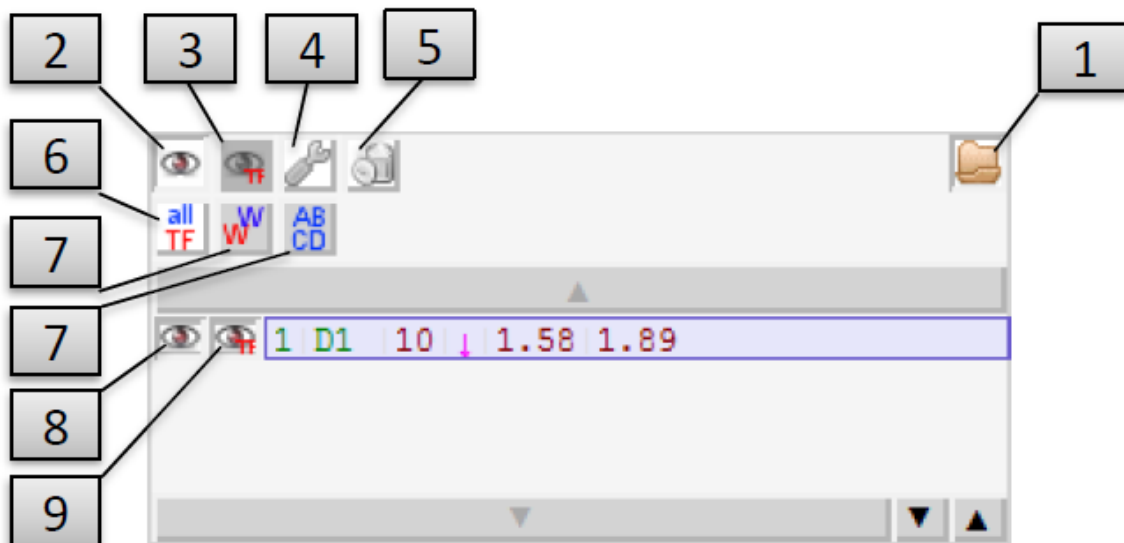
zone 2
Displaying graphics and graphical representation of the selected patterns.

Zone 3

1. Show / hide panel
2. Show / Hide the current pattern (in the [9]) on the chart
3. Selecting the display mode list [9] patterns. Maintains two lists: "no hidden" and "full."
4. Hides / shows the current pattern.
5. Deletes the current pattern. If the pattern is incomplete (the last point may change), it completely removed all of the development model.
6. Adds the current pattern in the panel "Favorites".
7. Buttons scroll through [9] patterns.
8. The buttons change the size of [9] patterns.
9. The list of patterns. The current pattern is highlighted in bold outline.



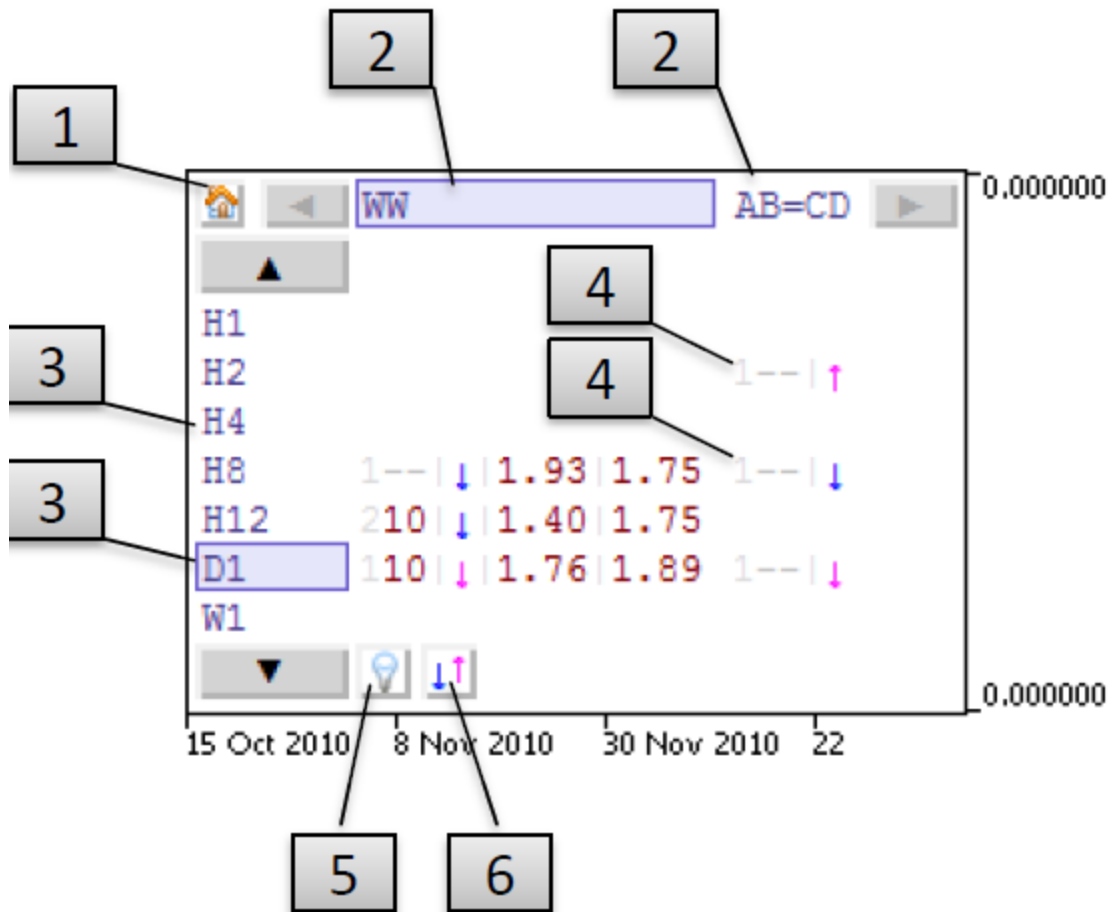
Zone 4



1. Show / Hide.
2. Global enable / disable display of all patterns of a favorite in the chart.
3. Mapping patterns of all / only the current period.
4. The editing mode of the current pattern.

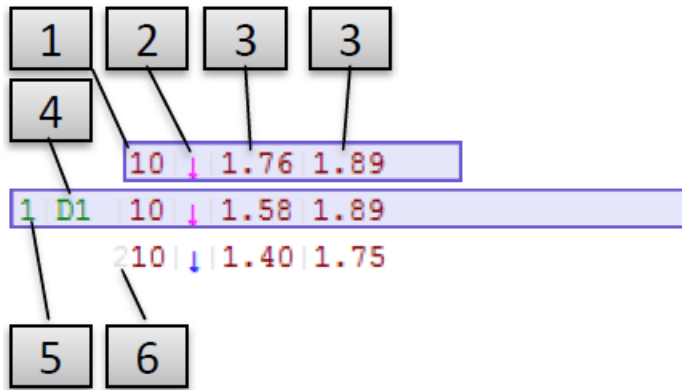
5. Delete the current pattern of the Chosen One.
 6. Filtering the list of patterns: any period / current period.
 7. Filtering the list of patterns: only the selected type of pattern.
 8. Allows mapping of this pattern.
 9. Allows the display of the pattern for the current period.
- Note: The pattern is displayed only when the simultaneous inclusion [2], [8] and [9]. More on display effect [3] in conjunction with the current period.

Zone 5



1. The transition to an adviser HWAFM_survey (if applicable)
 2. The choice of the active type pattern
 3. The choice of the active period
 4. The number of found patterns
 5. Display Mode number of found patterns, "with no hidden" or "full"
 6. Display Mode patterns found "all" or "only in development"
- Note: do not change the chart period from the menu, control panel or the chart's context menu. Use the algorithms used in the search engine.

Information line pattern



1. Rating pattern. The higher the number, the correct model.
2. Type of pattern: a bullish or bearish. Magenta color is determined by the pattern of development, Blue - the completed model.
3. Individual characteristics of each type of pattern. For example the relationship between points on the Fibonacci sequence.
4. The base period of the pattern (only in the panel "Favorites").
5. Planned to name or symbol type pattern (only in the panel "Favorites").
6. The number of detected patterns (only in the zone [5], depending on display mode 5).