

## Requirements Specifications for "TechMonegise© v2.10"

15<sup>th</sup> Sept 2019

### Summary:

This EA is profitable if money management added. It is challenging to code and requires attention to detail, a pre-emptive approach to understand logic before coding it.

You must be a world class professional programmer able to honour deadlines. It's requirement to check your own work against logic and to ensure it's bug free before any submission. Each submission must be accompanied by developer notes of what has been done (checked, confirmed, correctly). The goal is to have EA operational without bugs, functioning from 1 file, presented in 1 file (ex4 and mq4) for ease for end user. If the below is acceptable and you can deliver according to this docs; I welcome your offer and progress. This project entails completing EA

**TechMonegise© v2.10** from existing **TechMonegise© v2.09** MQ4 that will be supplied. This job, will be to:

- Remove ALL (e.g on chart, variable names, messages) reference to "R" e.g R22 becomes 22, RA becomes A in the EA.
- To fix (providing proof) as many of existing bugs listed in note XXI as possible (\$20 each).
- Fix any new bugs arising from this project.
- Create R 26 as specified. Ensure it's correct integration into into overall rules such as R 14/R17/A-C (\$50).
- The TechMonegise© MQ4 EA must be adjusted for higher profitability. This can be accomplished with new R27 (strategy, if so Ensure it's correct integration into into overall rules such as R 14/R 17/A-C), variable, indicator or identifying new preset (\$100).
- Create first point in E (\$20).

Each of above must be accepted /determined by client as competed in order to be added to developer sum due at end.

### Future project:

-To convert MQ4 to MQ5 so works on MT5 and it is future proof against new platform versions and bug proof (\$200). Executing the below deems the developers acceptance of terms within this document. Ensuring no new bugs and that both versions are optimised fully.

### Important Note:

I) Supplied TechMonegise© EA is made up of 26 numerical signal rules and system rules in letters (A-E). Based on 24 indicators:

Norbert 60 seconds (ADX), Volume Divergence Markers, Gap Finder 01 (same settings can be used for all GF Rules, so it can be listed in ea cross rule setting), VolumeMA, Tangoline\_v1.2.mql4, PinbarDetector, MAB\_TD\_Sequential, iMA (Moving Average), PVT, Zone Trade\_v2.4, Better Volume 1.4, Accumulation, CCwSF, AO Divergence, AIO Divergence (ATR), Bulls, ADX\_Difference, Gator, FlashMove Divergence, Moving Average, MACD, Bollinger bands, Stochastics, Price Speed. These indicators must all be built in (internalised to EA, if they have not already been). Their source code has either already been, can be provided (some have been adapted). ALL are coded into EA supplied in attached zip.

This means we have source for all non standard indicators. Therefore EA should not need any non standard indicators to be installed to platform. Any indicator bugs (such as those alerted in note X) and their repair is part of fixing EA so it works as intended and is part of the agreed price for this whole v2 job. This job does not pay hourly rate, regardless of developer input. The agreed price is for correct, complete, functioning EA as specified in this document.

II) Before assignment of this project to developer. A voice speak through (not text) on skype by developer with shared screen as needed to explain in their own words each rule/strategy and their suggestions. If this is not possible they should provide written summary of ALL rules. This should pre-empt any mis-interpretation of the strategy rules and how they are programmed. Where text in this document has not been specific enough in detail and developer makes wrong assumption of requirement which makes the EA trade in an unintended manner. Then it is developers responsibility to make the correction as part of this job and it's price.

III) Payment to be calculated as per schedule and made in total at end of this milestone (when all below is attempted). Each of below must be accepted/determined by client as competed in order to be added to developer sum due at end.:

- Change ALL (e.g on chart, variable names, messages) reference to "RA" to "A" in the EA.
- To fix (providing proof) as many of existing bugs listed in note XXI as possible (\$20 each).
- Fix any new bugs arising from this project.
- Create R26 as specified. Ensure it's correct integration into into overall rules such as R14/R17/A-C (\$50).
- The TechMonegise© MQ4 EA must be adjusted for higher profitability. This can be accomplished with new R27 (strategy, if so Ensure it's correct integration into into overall rules such as R14/R17/A-C), variable, indicator or identifying new preset (\$100).
- Create first point in E (\$20).

If developer does not complete and it's his fault in not delivering complete demo before 30 days and job has to go to arbitration he agrees to refund the 10% charged by MQL to paypal acc.

Project on basis that you can have "Private Use". But not for re creation (including re distribution, resale as EA, signals or code). All the exclusive creation, idea, copy rights to the ordered software assigned to the customer (personally and in reflected commercial entity i.e TechMonegy Ltd). So no reference to developer/contact details made on EA or in it's source code.

IV) Make it so that Strategy looks for setup/ make entries according to same rules/values, on all TF's between M1 and M30 (some to H1) simultaneously for pair EA is attached to chart for. Each rule R's 1-27 can occur on it's respectively stated TF's. Custom external Variables to be added to EA in green, with exact name in "inverted commas", with number after ":" that is the changeable value. Variables in EA should be organised/listed sequentially under sections titled with corresponding strategy rules specified in this document. E.g Rule 1 Variables, then Rule 2 Variables, etc. Any discussion should reference this document and EA variables must be same (if does not allow % then use percent) as in this document, e.g Variable "Max loss of open trades v bal <%"

V) Developer to provide bug free EX4 version of MT4 EA with source code and back test on 2 different pairs on completion. This is requested as I sometimes have trouble doing back test.

VI) Developer to provide detailed manual explaining each Variable/value. In case in the future I need to re visit, add more features. Also to ensure developers interpretation/definition of Variables is correct.

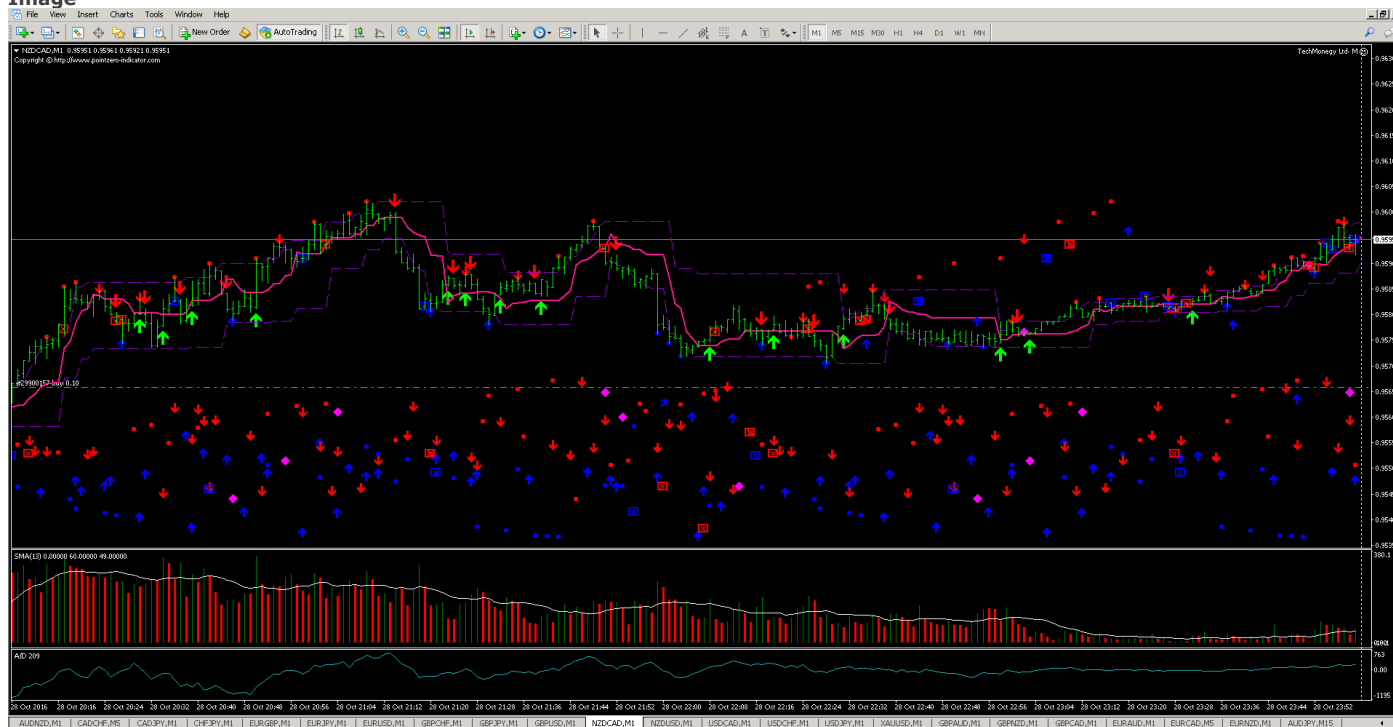
VII) As part of price pre agreed for project; developer agrees up to an additional 10% features/changes not specified in requirements. So e.g if 22 rules exist, 2 additional rules allowed.

VIII) All developers want to start from scratch. Here is interesting comment from one: "That will be more painful than making new one's. Your ea is using just a simple functions like in good old days of MQL. Modern approach is when you use OOP (structures, classes etc) so you don't need to repeat the code over and over again, declare hundreds of buffers for indicators etc. For example indicator can be done lik in your ea - where each indicator has its buffers filed separately, or it can be created as a class, where class defines the internal buffers and function. Then a class can be initialised like a pointed in INIT function (something similar like "handle" in mt5) and you just use it inside the code. That shortens the code by 1000 lines in your ea & also makes the whole logic less buggy." Is this how you propose to do!?

IX) Detail of expert should include; placing all of the necessary checks, error description to be printed in Journal, restore normal operation after a connection failure, add a few attempts to open a position with an error, and maybe something else - at your discretion. All exceptions should be handled. Should work on all markets with different brokers on real account, with different EA's (therefore have Variable: "Magic Number": 999). Critical errors, such as NOT\_ENOUGH\_MONEY, ACCOUNT\_IS\_DISABLED etc., will off course immediately stop the operation. After non-critical errors (REQUOTE, TRADE\_CONTEXT\_IS\_BUSY etc.) the EA will try again (I think, 5 attempts with 250 ms interval).

X) R's 1-27 for Volume\_Divergence\_Markers and other indicators should not be identified by these error markings that appear regularly as can be seen in Image A. They appear away from the price. They tend to occur by themselves after a period and when dragging chart back in time. When trading manually, to correct markings I usually set chart to M5 then back to M1. This makes only the correct markings appear again in M1. **Can these error indicators (see in Image) be prevented from being counted as part of Rules 1-25? I've been informed:** Yes, it can. The reason for the bug - the developer hadn't made recalculation of the indicator buffers after history loading. It's a serious bug, but it won't cause EA errors, because the EA will always recalculate required indicator values.

Image



XI) EA should be designed to easily add more entry/indicator forming rules such as those in R's 1-27 .

XII) Each of the rules occurrence must be illustrated/stated in chart/journal markings. Along with an indicator which informs the state of rules in all TFs, so useful info can be gleaned e.g 3<sup>rd</sup> consecutive rule 1 occurred at better price.

XIII) EA must analyse according to [Global variables listed in Rule E](#).

XIX) Optimize to lighten resource of EA. Ensure it will work on 25 pairs on 5 platforms on VPS. Including indicators recoding for recalculating all.

XV) Change respective values in blue including (Default Parameter Values). Check whole EA operates as stated in this document regardless of colour of text.

XVI) Misc:

-Note on platforms: mt5 is going to be a huge pain. I have found out few days ago why mt5 is so buggy, it has appeared that mt5 uses indicators asynchronically and in case of this ea imagine how big data leak my be.

-Change ALL reference to "EA VA" in Logs and their file names, on mouse arrow hover over signal on chart, in code etc to "TechMonegise©"

- Remember to change release date at top left corner in yellow text to correspond with date.

XVII) Fully test and debug EA. Provide instructions on how to change necessary variable values and license details from within source code then secure the .ex4 file so it can't be opened.

XVII) EA must be Operationally resilient so does not depend on external factors for it's functioning, e.g download on historic data for Look Back Days (with the need to load historic data, i.e if platform has no historic data downloaded, EA should just look from point ea was loaded!? Otherwise specify auto download of historic data task) or Summer Winter GMT offset with broker. Should work without manual intervention of user.

XIX) Any indicator causing bug error such as and including "2017.01.26 21:26:18.333 volume\_divergence\_markers GBPUSD,M15: array out of range in 'volume\_divergence\_markers.mq4' (102,48)" must be fixed as part of the price agreed for this job.

XX) The goal of this job is to have EA functioning as intended without hanging, freezing, bugs. It must be reliably trust worthy to wrk on real acc. EA must be independent and operationally resilient, not relying on so many external factors and peculiar nuances. Developer must focus on this rather than amount of work or hrs put in.

**XXI) Here are known bugs to v2.09. Check and ensure they don't occur on TechMonegise© v2.10.**

1) When platform/EA is restarted or changing chart display TF; chart displays different R's (with same settings). This even happens when the first loading of the platform/EA. No repaint indicators used. It does not happen on R22. This critically needs fixing please!!!! Red dotted line is time platform was running from:



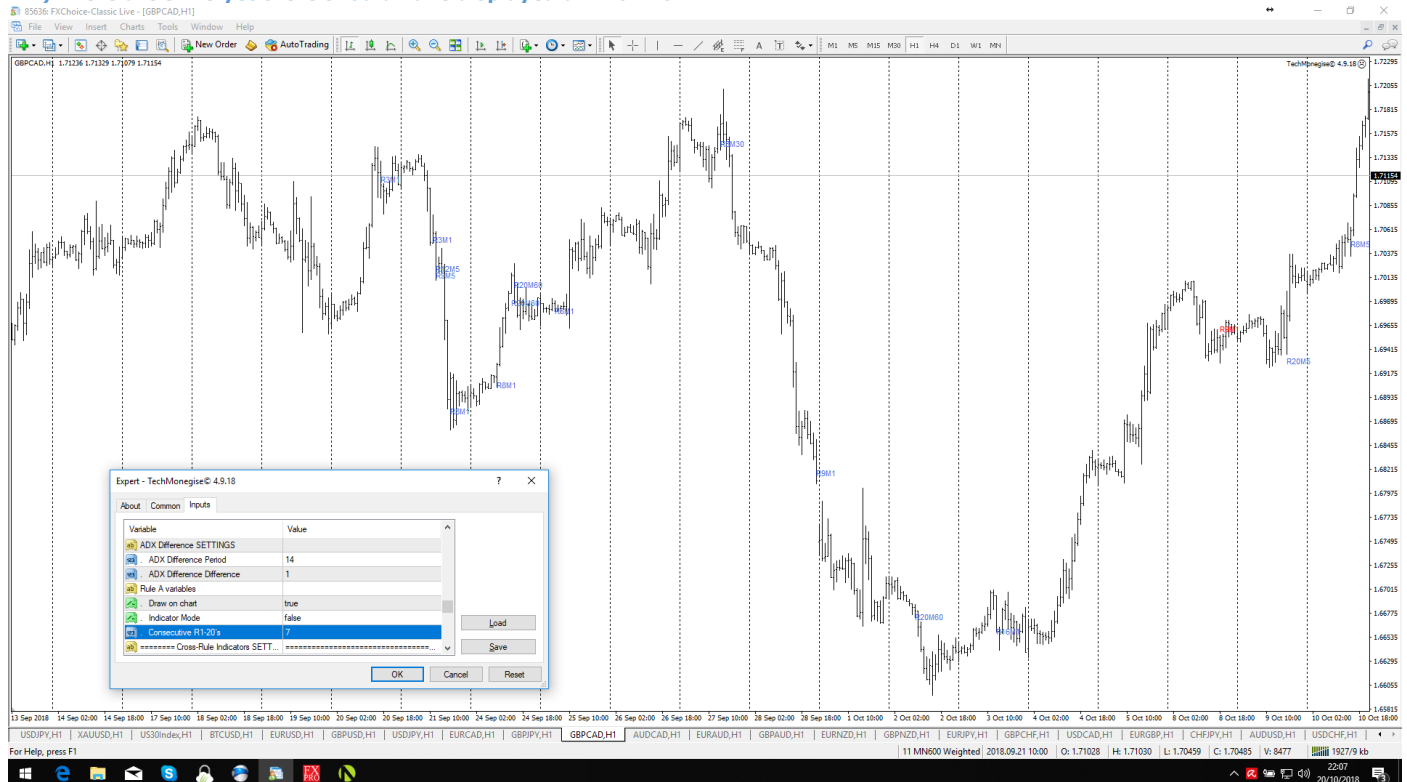
Here you can see new R17 sell appeared on TF change after red dotted line i.e time platform was running from:

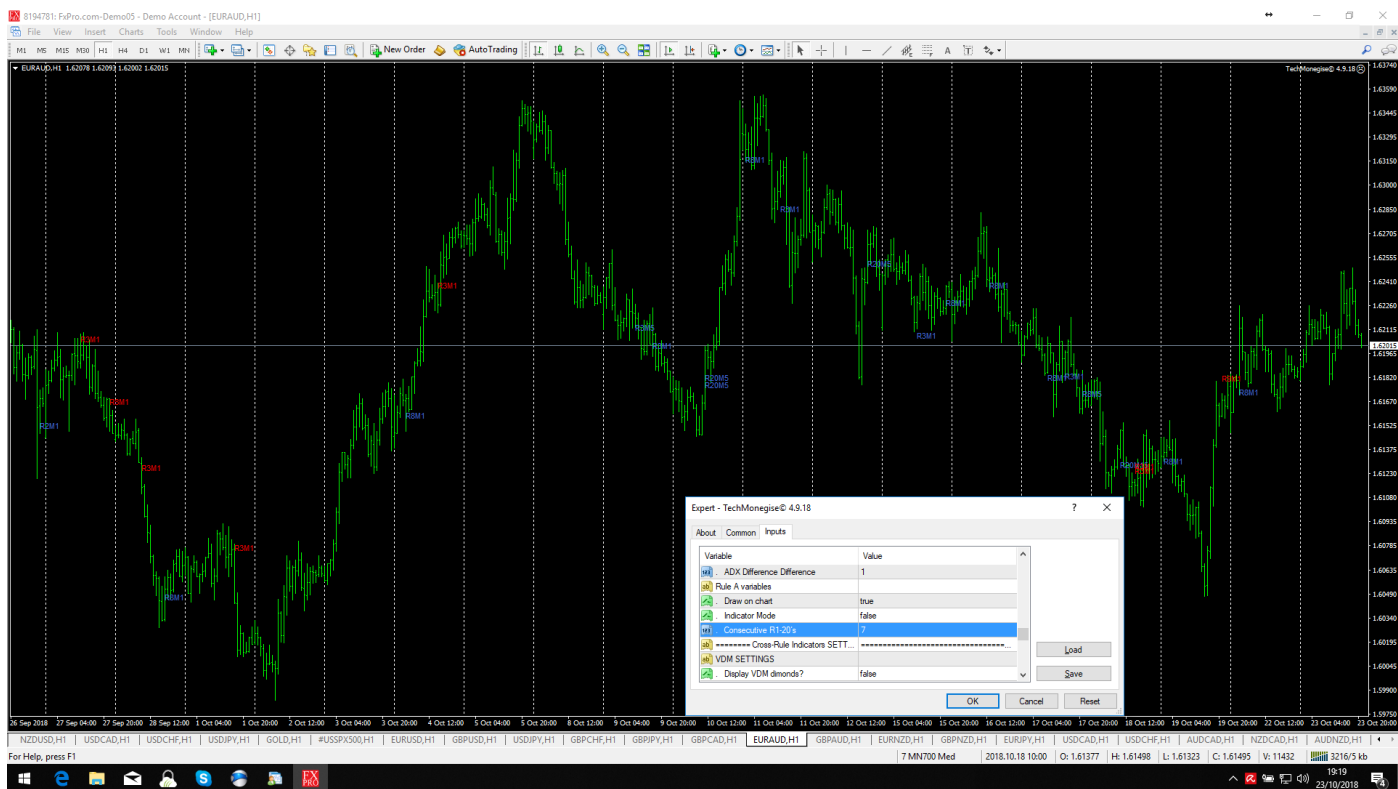


2) As previously reported A not counting R's correctly.

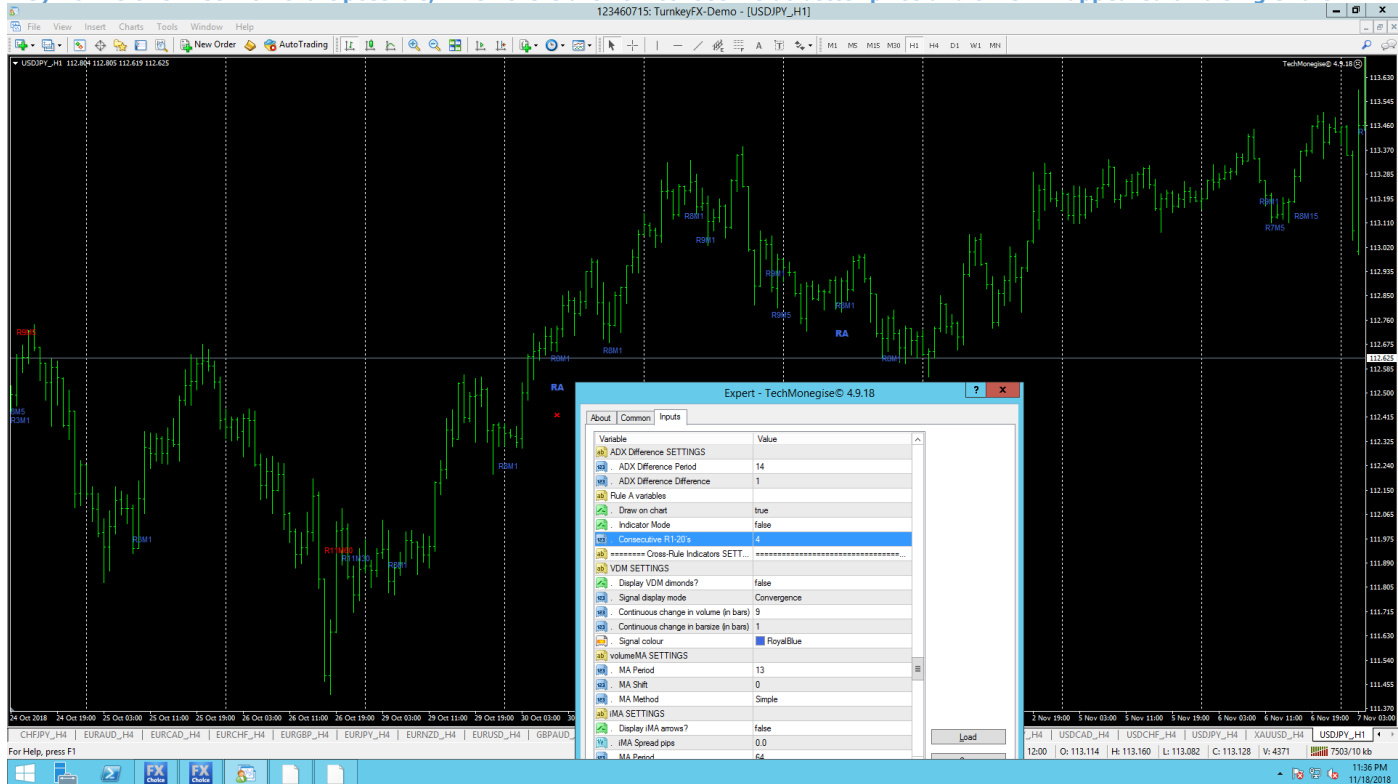
2.1) If you enter 1 into "Consecutive R1-R25" it will detect min of 2, if enter 3 it will detect min of 4. etc. This is because I had requested him to make it so there is no temptation to make a tradeable A on value being 1. But now I want that to be allowed.

2.2) There are 9 R's yet there should have displayed an A on 7th R !?



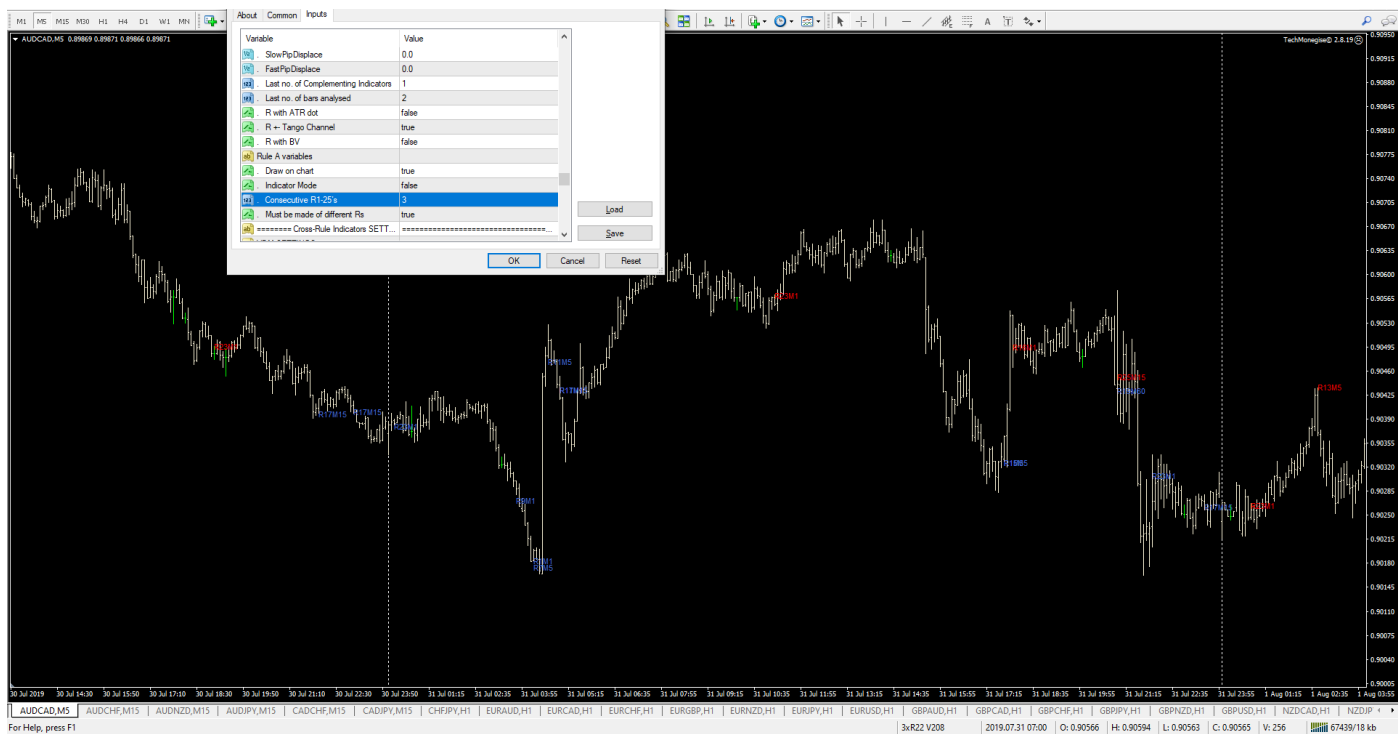
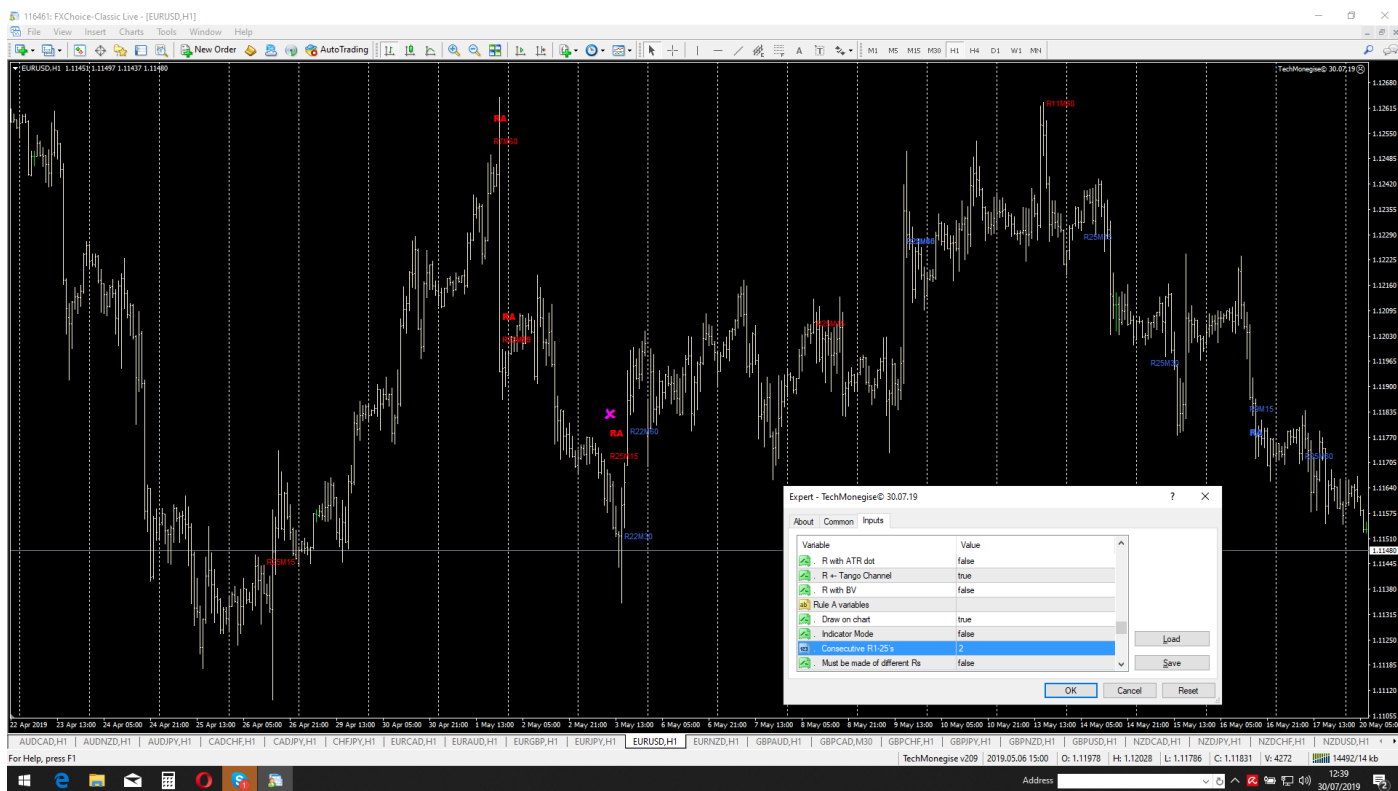


### 2.3) How is this first A on chart possible, when there aren't 4 consec R's at better price and time!? A appeared on a single rule:



2.4) A showing up i.e for sell when the rules prices that make up the A is not higher and later for sell (lower and later for buy) than previous. (This happens occasionally).

2.5) A sometimes occurring as result of only one R when consecutive is set to higher.

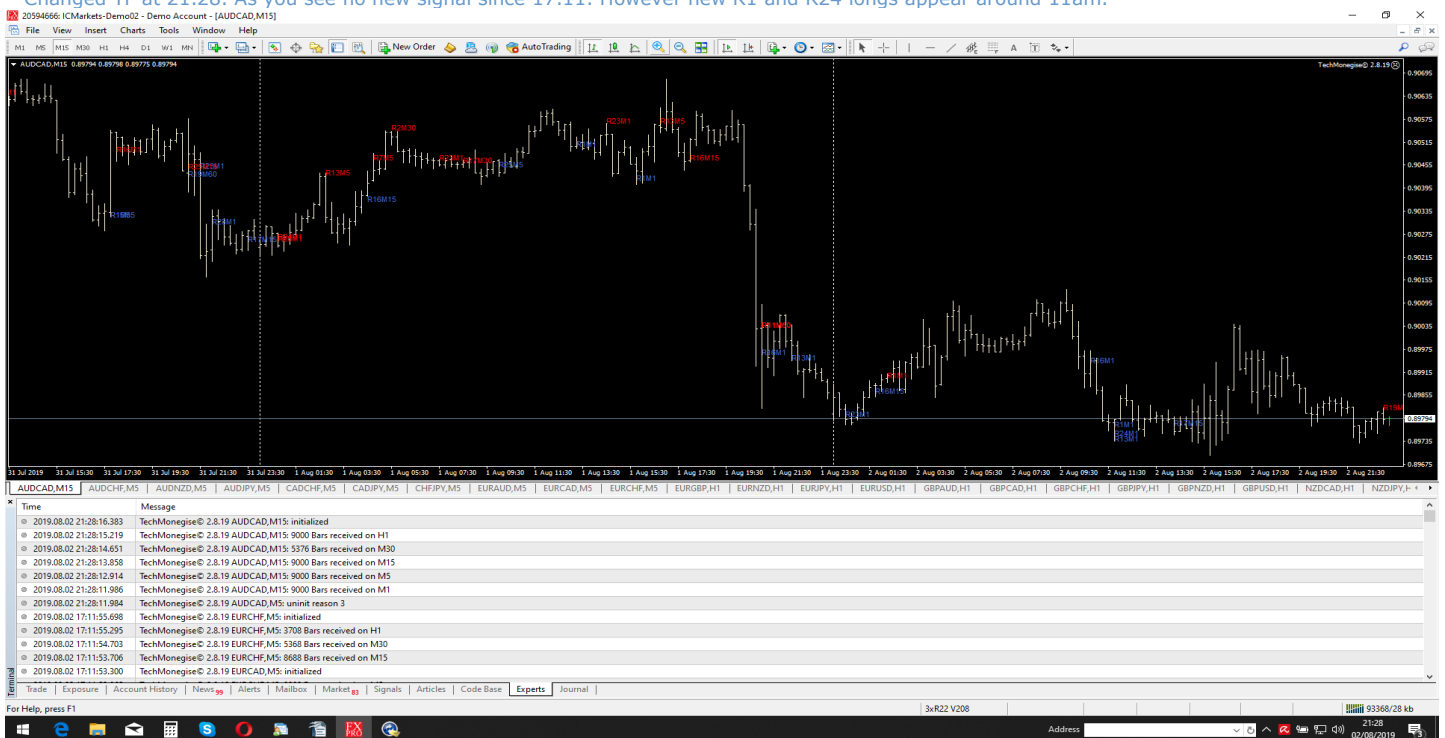


3) Completely different signals/results every time a chart TF change is made even before time of last ea/platform load or TF change! This is additionally critical to bug 1.

Spot the difference, running from 17:11:



Changed TF at 21.28. As you see no new signal since 17.11. However new R1 and R24 longs appear around 11am.



4) Some times A is still displaced when template applied.



## Changes to previous doc:

-Defined 2 separate variables in rule B instead of "Enter better than A price by %"; Change to:

"Buy enter better than A price by %" and "Sell enter better than A price by %". Note the different values to be used for each by default.

Messages in experts tab in platform must print stating the first (only) of the Ca-Ch reasons that prevented entry. Currently only Cf prints but does so after other entry nullify already occurred i.e Ca.

## Changes to this doc compared to last:

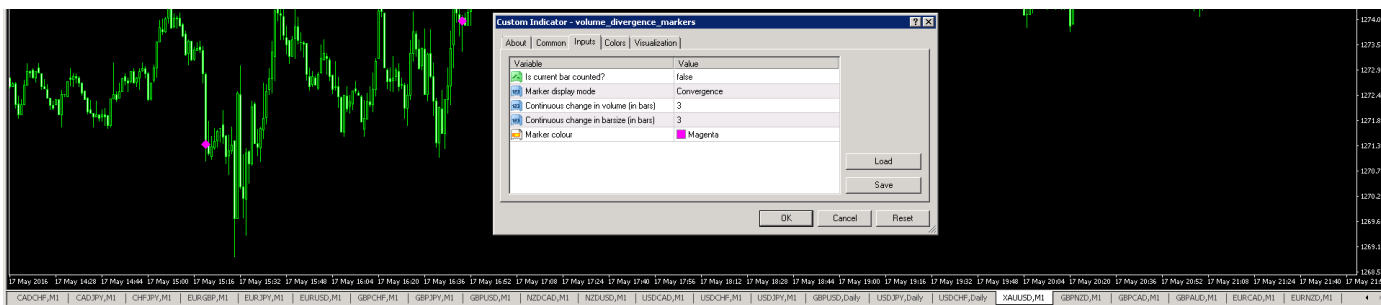
-Specified v2.10 requirements on p1.

-Stated remaining bugs to be fixed in XII

-Pay attention to note III



1. *Volume\_Divergence\_Markers* on custom settings shown in **Image B**:



When a Buy VDM appears; that price bar (close is the R1 price) and the previous (preceding) price bar must both close up. "Show diamonds on chart": True/False. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, price must have closed higher by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, the white Volume MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complementing Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule 1 formation is demonstrated in **Image**:



Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in image below.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs. As seen in below image:



Variable "R1 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 2's in A/C. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

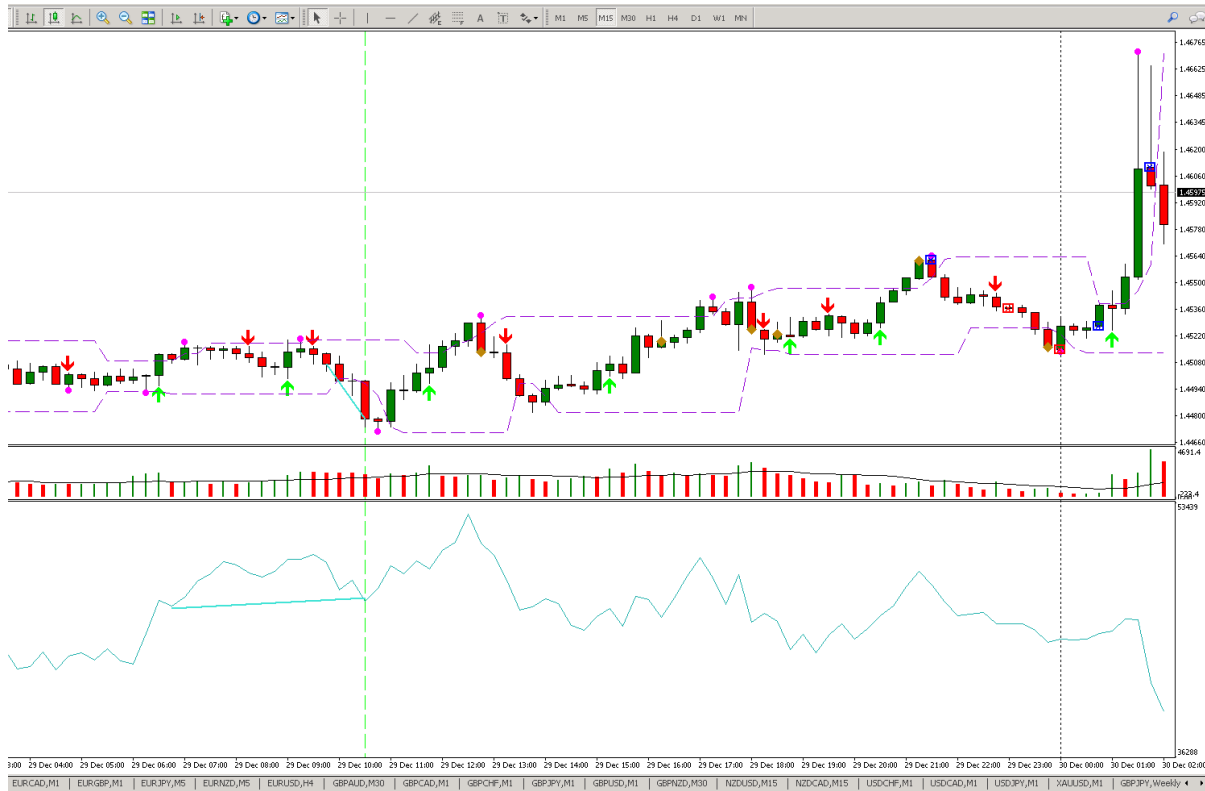
- When all 4 consecutive red volume bars close above SMA line (VolumeMA) and the corresponding 4<sup>th</sup> (furthest left) price bar closes higher than the 1<sup>st</sup> (furthest right close, this is the R2 price) by at least Variable "Price % Diff": 0.3 (0.3%). Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule signal is illustrated in M30 TF in **Image** below and signal marked with a red dotted vertical line. Each rule 2 can occur on any single TF between M1-M30. Rule 2 formation is demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B and RE.

Variable "R2 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. **Only opposing** be used to identify only opposing rule 2's in A/B. **None** (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

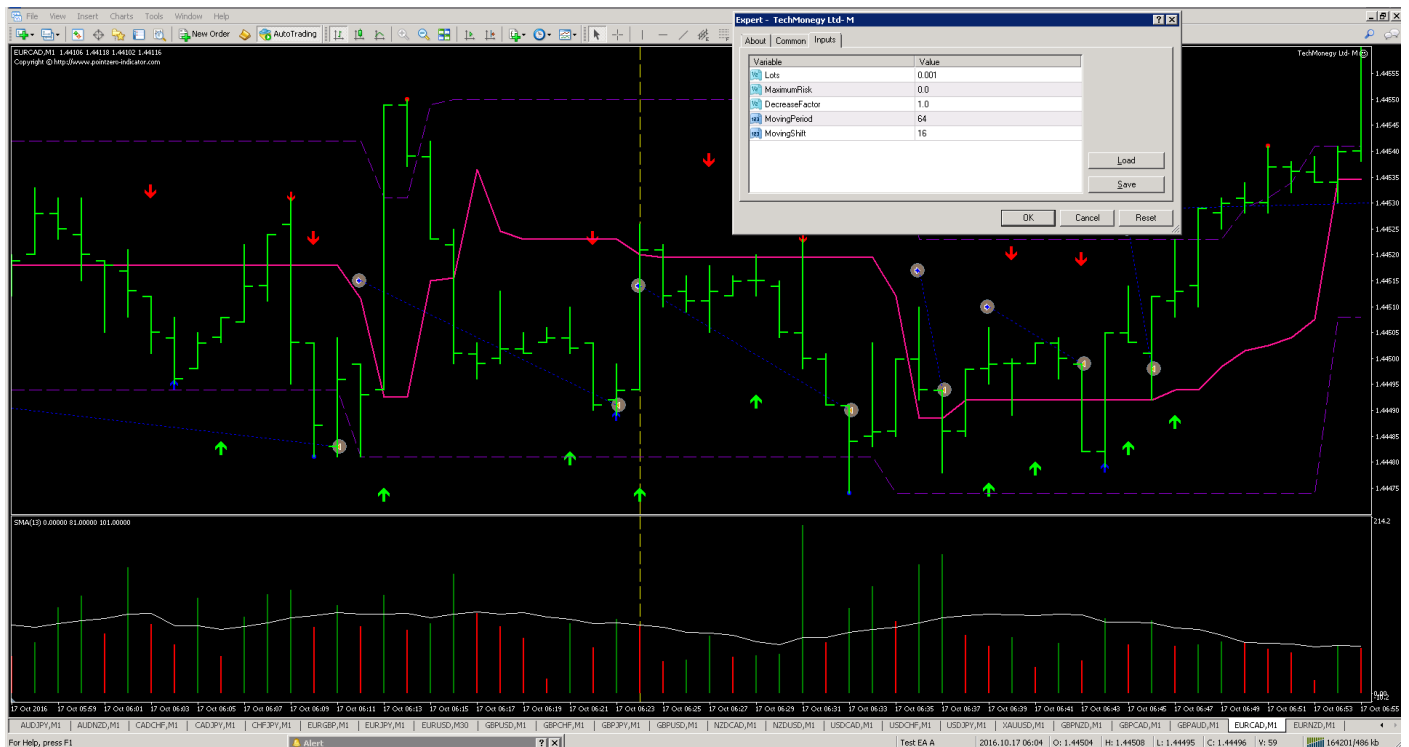
- When on same price bar the following 4 indicators occur: the iMA (same as Moving Average EA on MT4 platform) on below default settings (use code of this EA to make this indicator) blue sideways buy signal occurs. The blue side way arrow (this is the price of the R3) must be below deep pink tango line. **Ensure spread is equally added for both buy and sell with "Pips spread": 2.** A green **ADX\_Alert** (Norbert\_60seconds) buy arrow occurs. A red below **SMA line** (VolumeMA) volume bar occurs. **Going back 15 price bars ("Last no. of bars analysed": 15)** the blue **Accumulation Indicator A/D line** must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": **MAB&PIN** or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Image below is R3 signal.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R24 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

Variable "R3 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 3's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

Note firstly this bug must be fixed

e- EURCAD issue is happened on AUDJPY i.e set to 3 consec R3's but not reading opposing (red sell) R3! As for video on EURCAD to be sent by skype.



Below is another example of where the consecutive is set to 3 and chart has printed R6 twice. Only Second one is correct. Although settings same for above and below charts; there is no R3M1 blue long in above chart but it is present in below!?



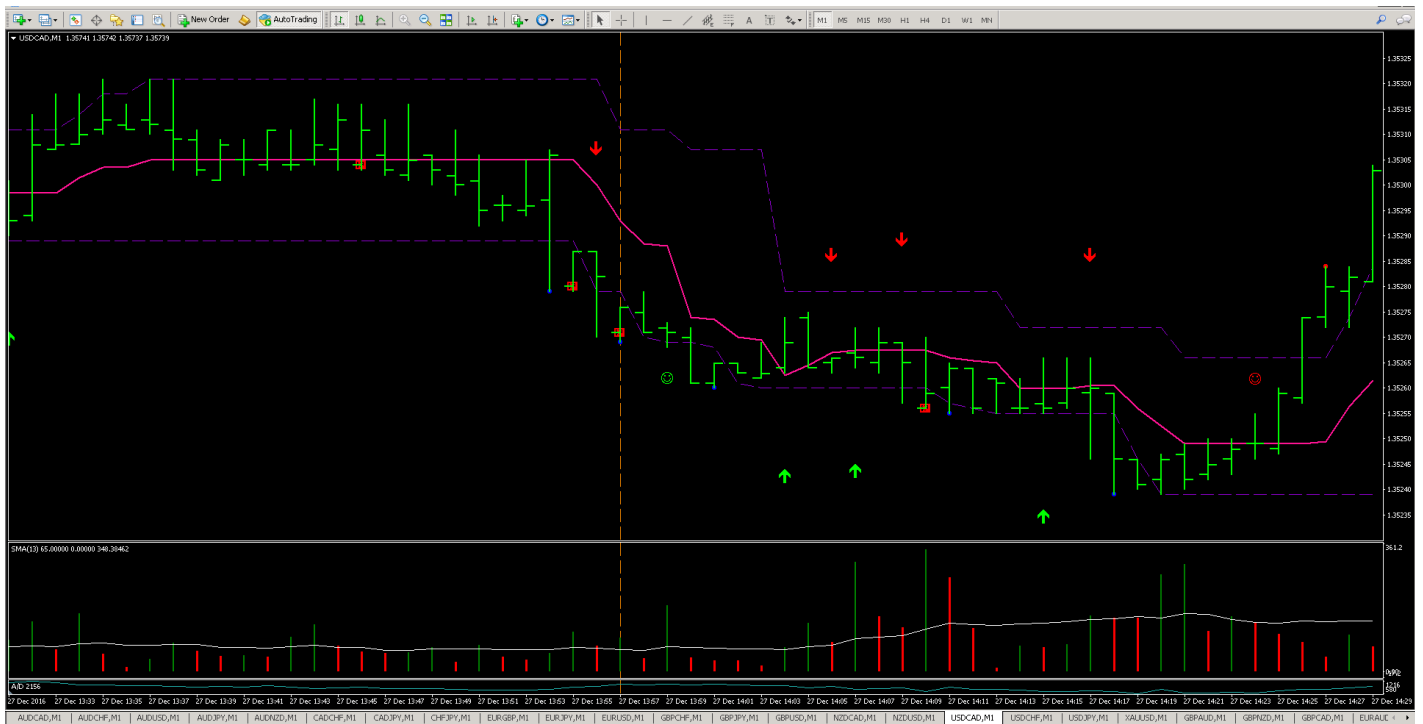
- When **Gap\_Finder** (either blue bullish or red bearish indicator) regardless of gap closed or not (Variable "Min gap size in points": 5) appears **below lower Tangoline** indicator, that price bar has **Tangoline** dot named "reversal bar" (if you hover mouse over it) on at bottom of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. The 3<sup>rd</sup> (most recent) bar close (this is the price of R4) must be lower than the price of the appearance of the Gap Finder on previous (middle) bar. Going back 15 price bars ("Last no. of bars analysed": 15) the blue **Accumulation Indicator A/D line** must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule 4 is confirmed on 3<sup>rd</sup> most recent bar close price. R4 can only occur on any M1-M30 TF. Demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R4 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 4's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

- When Price closes at new low (determined by Variable "Price min div %": 0.05) compared to the price it closed at X bars ago (determined by search period with Variable "Max price bars back": 28). Simultaneously for same period PVT closes up by value in Variable "Min PVT diff": 1 (this is for M5, it is multiplied up by 2.5 for every additional M5 TF. E.g for H1 TF value is 30).

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

This set up is illustrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B and RE. Variable "R active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 5's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M5-H1.

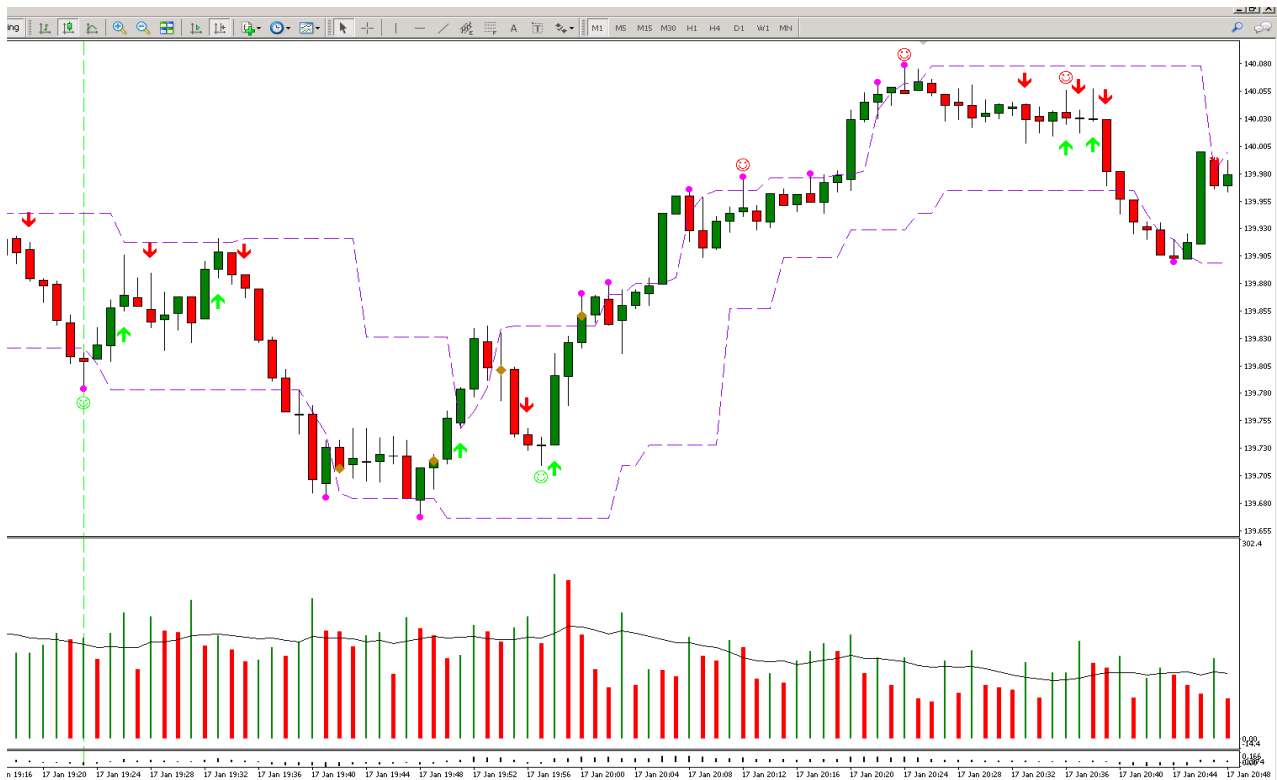
- When a green buy *Pin Bar Detector* indicator appears (on default values of indicator) below price bar, that price bar opens and closes below lower *Tangoline* indicator, and does not make a high equal to or greater than lower *Tangoline* indicator, that price bar must have *Tangoline* dot named "reversal bar" (if you hover mouse over it) at bottom of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3<sup>rd</sup> (most recent) price bar close (this is the price of R6) when it closes up and higher than the close price of the previous (middle) bar.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below (note this rule is set up is a rare occurrence and it's frequency likely to be once every 6 wks per TF):



Variable "R active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 6's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule can only occur on M1-H1 TF.

7. When a blue *Tangoline* dot named "reversal bar" (if you hover mouse over it) at bottom of price bar appears, that price bar closes down and below lower *Tangoline* indicator, and does not make a high equal to or greater than lower *Tangoline* indicator.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.





Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R7 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 7's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule can only occur on M5-H1 TF.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

8. When a green *ADX\_Alert* (Norbert\_60seconds) buy arrow occurs (on default values of indicator) below price bar, that price bar

closes above upper *Tangoline* indicator, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3<sup>rd</sup> (most recent) bar close (this is the price of R8) when lower than the close price of the previous (middle) bar. From the middle bar (marked with dotted vertical line) going back 15 price bars ("Last no. of bars analysed": 15) the white *Volume MA* line must have closed down by at least 5% lower. "VMA % R7": 5. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D* line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. Only the above *SMA* and *Accumulation Indicator A/D* relationship must also occur on at least 2 other TF's between M1-H1 from current signal bar simultaneously. Variable: "Simultaneous other TF occurrence": 2.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, *ADX\_Alert* Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, *ADX\_Alert* Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

It is marked with a dotted vertical line in Image below (Note 10 bars back is shown for demo):



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R8 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 2's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

9. When a 9 with same colour arrow beneath it from *MAB\_TD\_Sequential* indicator (on default values) appears below price bar, that price bar closes (this is the price of R9) below lower *Tangoline* indicator. Plus either of the following 9.1) Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. Or 9.2) The volume bar is below SMA Line.

The volume bars either side don't matter. Variable "Volume mode":

9.1 or 9.2 or Both.

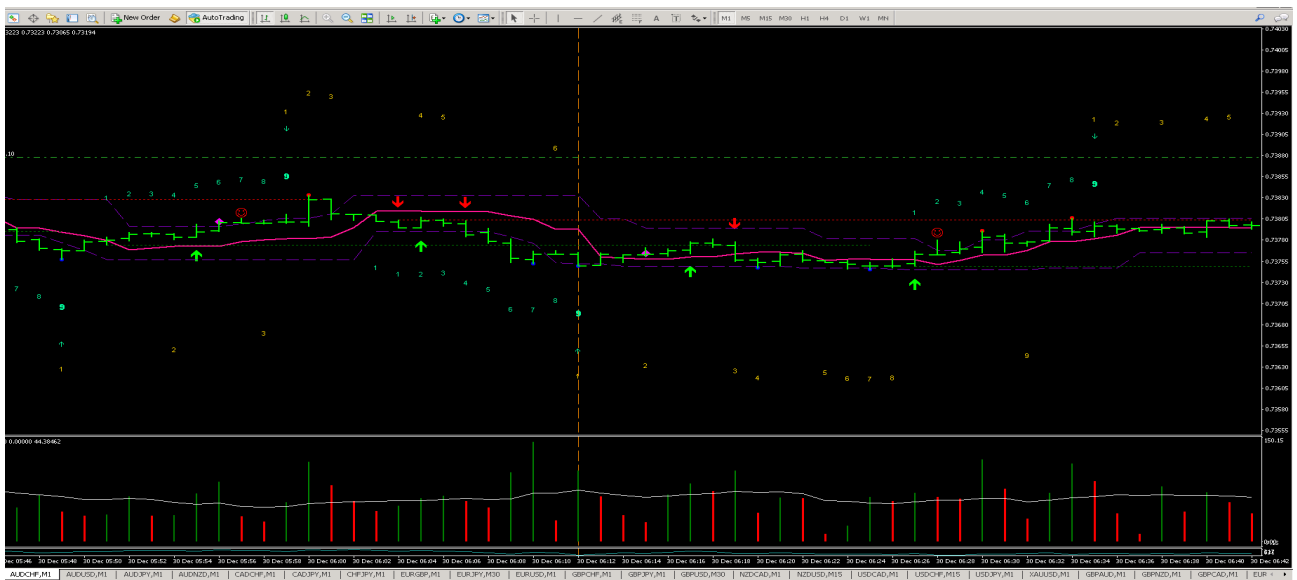
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-16 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": **MAB&PIN** or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below:

9.1



9.2



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R9 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 9's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

10. When a red *Zone Trade\_v2.4* (in default settings) price bar closes. On same bar volume closes red and above SMA white line. On same bar *Better Volume* (in default settings) closes white and above it's maroon MA line.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B and RF.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar

occurs.

Variable "R10 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 10's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M5-M30.

11. (Same as R11 is coded in EA V2.05. Leave as is in supplied V2.08!!) When price close up compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes up compared to the value of the previous bar close. Therefore if 0.015% price difference is 2 pips and PVT difference is 4, for these figures the pips portion is 50% of PVT difference. R11 occurs at close of price bar marked with price label 1.06479.

Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4.

Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

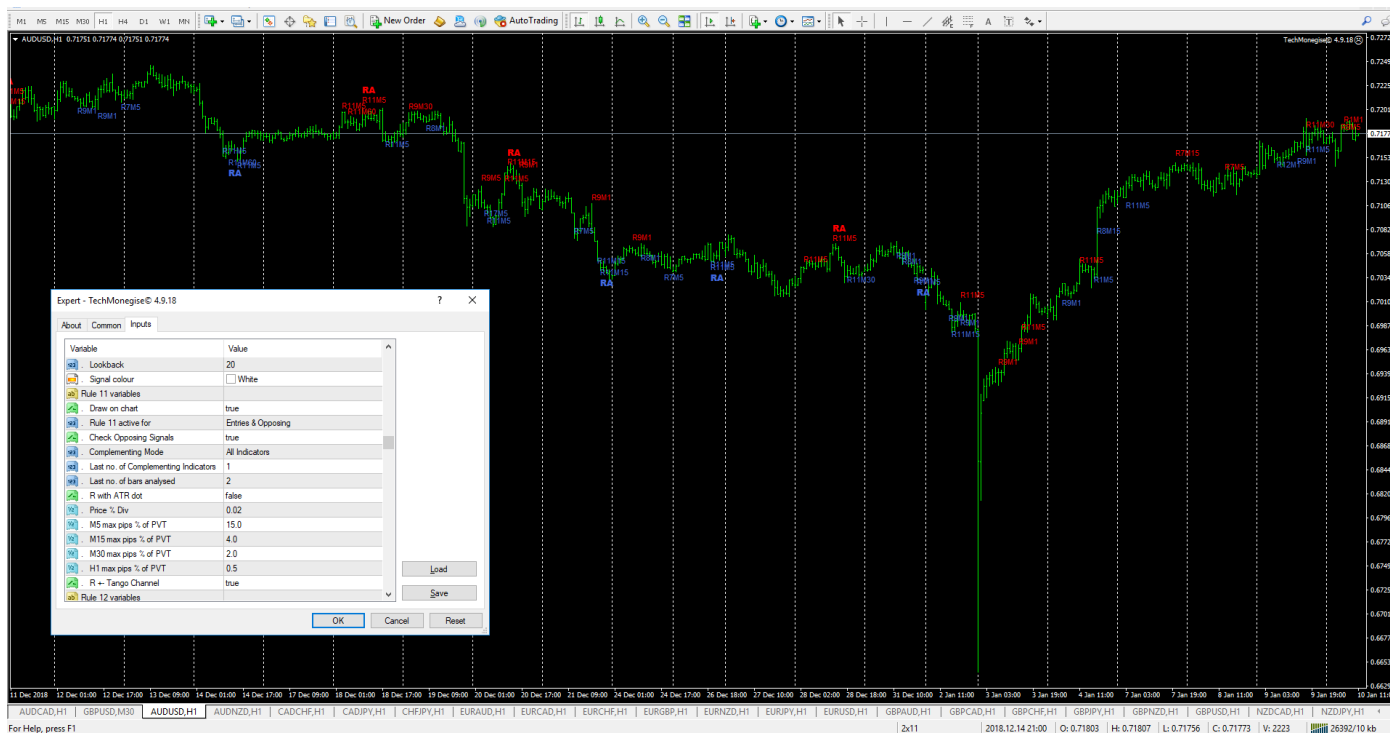
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

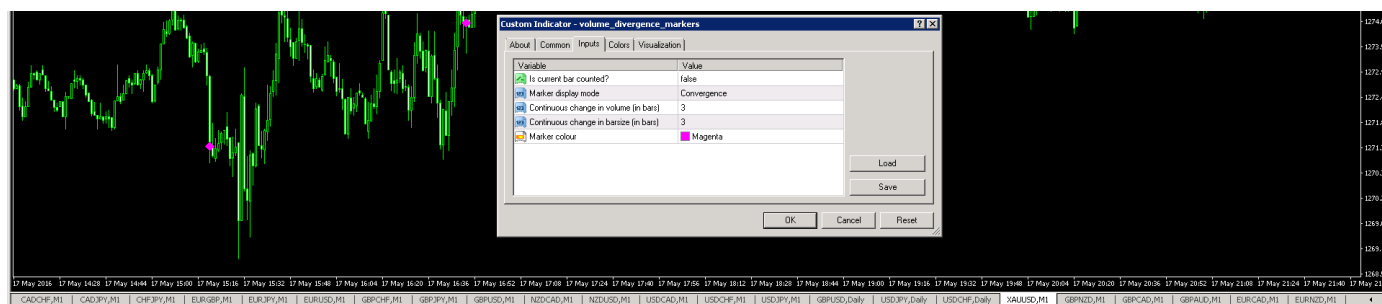
Appears in M15 on **Image**:





Variable "R11 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 11's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

## 12. R12 is similar to R1. This R12 must have it's own *Volume\_Divergence\_Markers* settings shown:



When the Buy VDM appears; that price bar (close is the R12 price) and the previous (preceding) price bar must both close up. "Show diamonds on chart": True/False. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, price must have closed higher by at least 0.03%. "Price % Div": 0.03. And; Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, the white Volume MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. Signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, Pinbar detector) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complementing Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Each rule 12 to be counted only once in it's formation of a rule 12 on any of it's designated TF's. Rule 12 formation is not fully demonstrated in Image:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R12 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 12's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

**13.** When a *Better Volume* (in default settings, although for visual purpose it's black in image) close white. The value of the volume bar Must be less than 150% . The formula is as follows if BV value is higher value of two: Average line value 200/ BV bar value 300 =  $0.66 \times 100 =$  Therefore "BV bar less than average in %": equals 66% of the maroon average value. The formula is as follows if BV value is lower value of two: BV bar value 200 / Average line value 300 =  $0.66 \times 100 =$  Therefore "BV bar less than average %": equals 66%. As in this image:



But the formula is as follows if BV value is higher value of two: BV bar value 800 / Average line value 550 =  $1.45 \times 100 =$  Therefore "BV bar less than average in %": equals 145%. Variable: "BV bar less than average in %": 150. The corresponding price bar in that TF the signal is setting up must have closed down by at least the following values in each variable representing that TF. Variable: "Price bar % close in M1": 0.1. Variable: "Price bar % close in M5": 0.2. Variable: "Price bar % close in M15": 0.4. Variable: "Price bar % close in M30": 0.80.

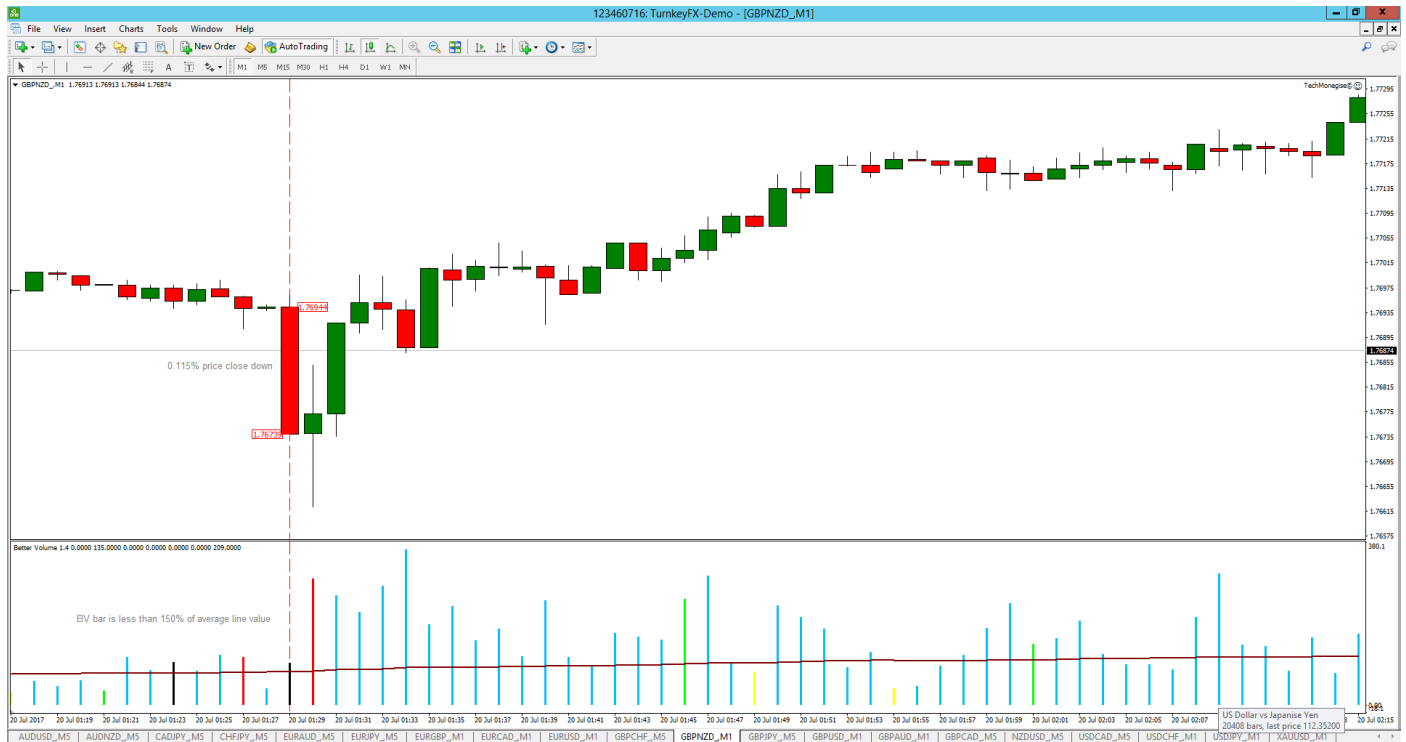
Variable: "Price bar % close in H1": 1.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B and RF.







Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R13 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 13's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

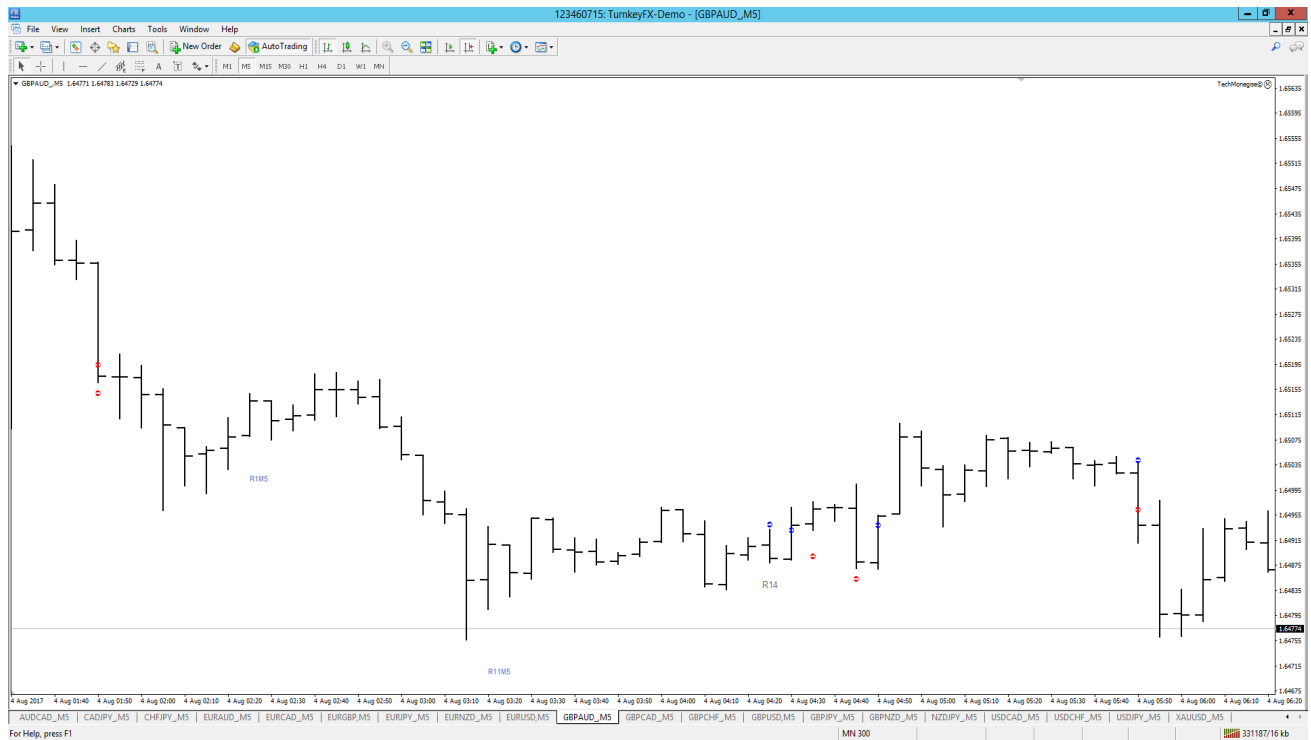
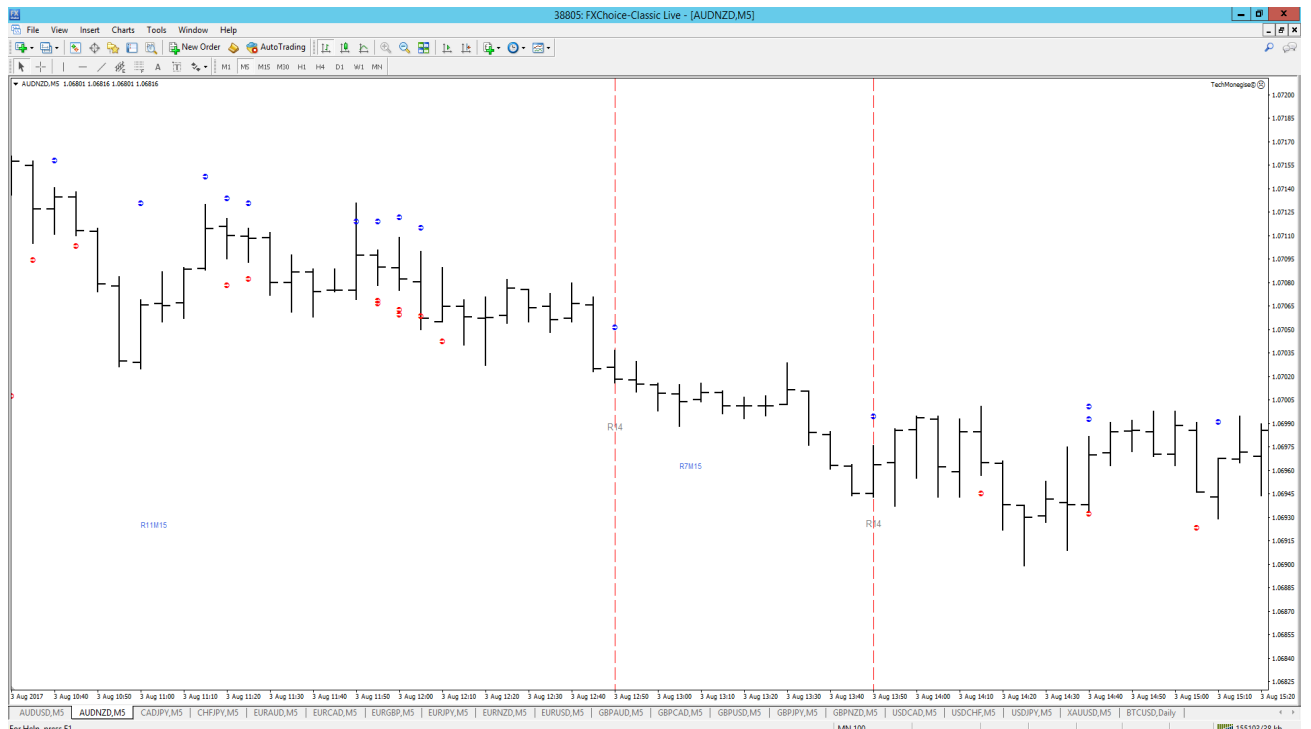
**14. (Needs to be coded if not in EA)** Ensure R1-13 and R15-27 are included. When a single buy *iMA* arrow on default settings occur. The following spread to filter some out. Variable: "iMA spread pips": 2. iMA only becomes R14 when it is (higher in price) before or (lower in price) after another **R1-13 and 15-27**. An iMA can only be used once in the the formation of a rule. E.g if used for R15 same one can't be used to form an R14. Vertically marked with red dotted line price bar using Cross Indicator settings to display.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of complementing indicators") on the TF the rule occurs. Variable "Complementing Indicators": **MAB&PIN** or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B and RE.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R14 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 2's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

**15.** When at least 9 (Variable "Consecutive on M5": 9) consecutive long indicators as currently operating in EA (made up of any of following; ZT, MAB, PIN, iMA, ADX, GF, VDM; from one or combo of TF's M1-H1) without opposing ones or opposing rules between them; appear on on a single M5 bar.

Going back 10 price bars ("Last no. of bars analysed": 10) from current R15 signal, price must have closed higher by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from current R15 signal, the white Volume MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume Divergence Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

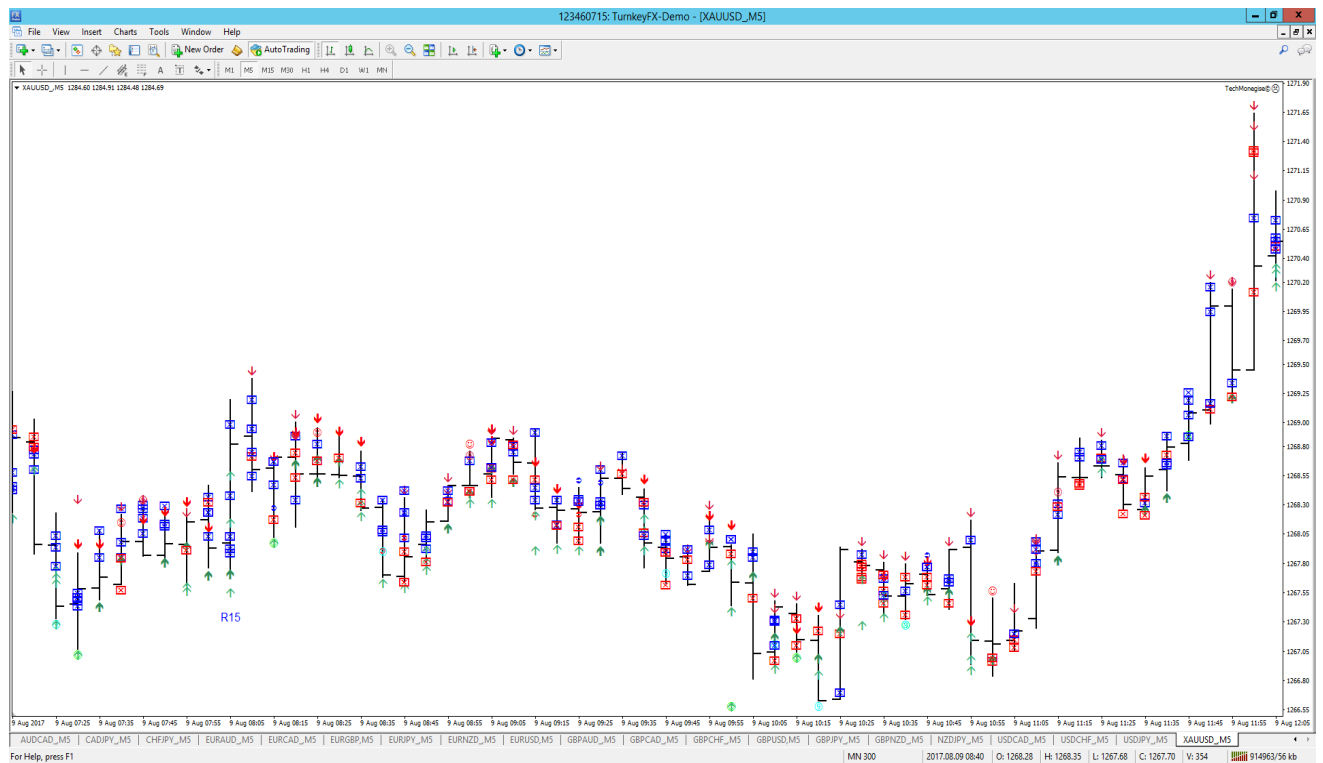
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

The close of this bar is the R15 price displayed in Image below:

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B and RE.



Note most of the indicators that appear on R15 disappeared on refresh (TF change/change back, EA reload) within 24 hrs. So R15 would no longer show. This could be cause of disappearing R's!?

Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R15 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 15's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

16. When on same price bar the following 2 indicators occur:

-CCwSF green buy arrow appears (with settings shown in image on Sell). But you can summarise the 3 variables to Variable: "Min % size for each of 3 candles": 0.15 applies to M1, each TF up will also increase by the stated % value. E.g H1 will be 0.75%.

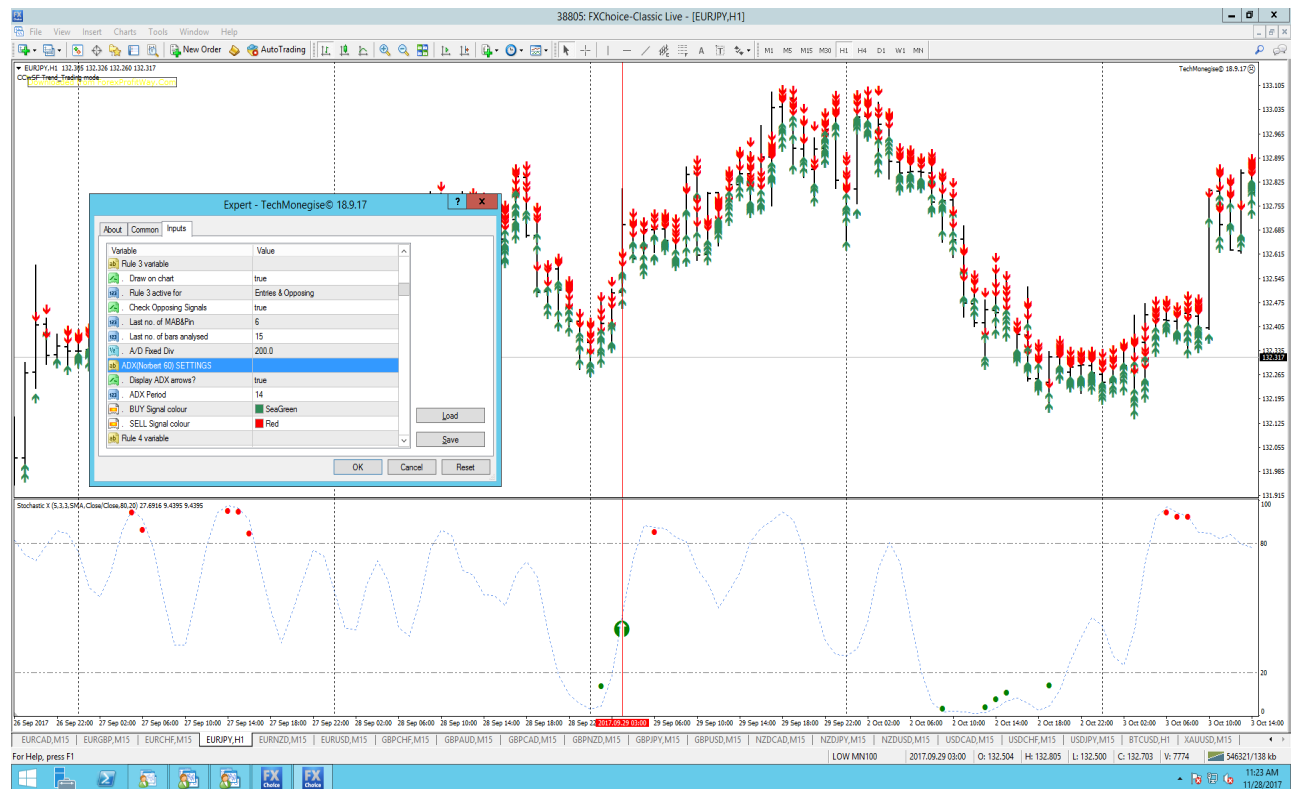
-A green buy ADX\_Alert (Norbert\_60seconds) arrow occurs, with settings in EA as in image on buy on that same respective signal TF.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R16 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 16's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

17. Make sure R22/R23/R24 are part of R17. When a single buy *AO Divergence* arrow on default settings occur in TF M5-H1; It only becomes R17 when it is lower in price after another complementing **R1-16** and **R18-R26** from any TF. The R17 does not have to be from same TF as the respective **R1-R16** and **R18-R26** before it! There must be no opposing R's 1-27 Of any TF between these two events.

An *AO Divergence* arrow can only be used once in the the formation of R17. E.g if used after R9, same one can't be used for R11.

Vertically marked with red dotted line price bar open.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R17 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 17's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

18. Using ATR (4. in drop down menu in indicator "AIO Divergence" in default setting); identify when two confirmed consecutive (without a red dot between them) yellow dots with the most recent one being at a higher ATR value than the previous one. Simultaneously for that time period; recent price close corresponding to most recent of the two dots must be lower than close price of first dot. The price close of most recent of the two dots is R18.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

In image below ignore lines drawn by indicator. The 2 blue lines are drawn manually to demonstrate price and indicator relationship.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R18 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. **Only opposing** be used to identify only opposing rule 18's in A/B. **None** (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

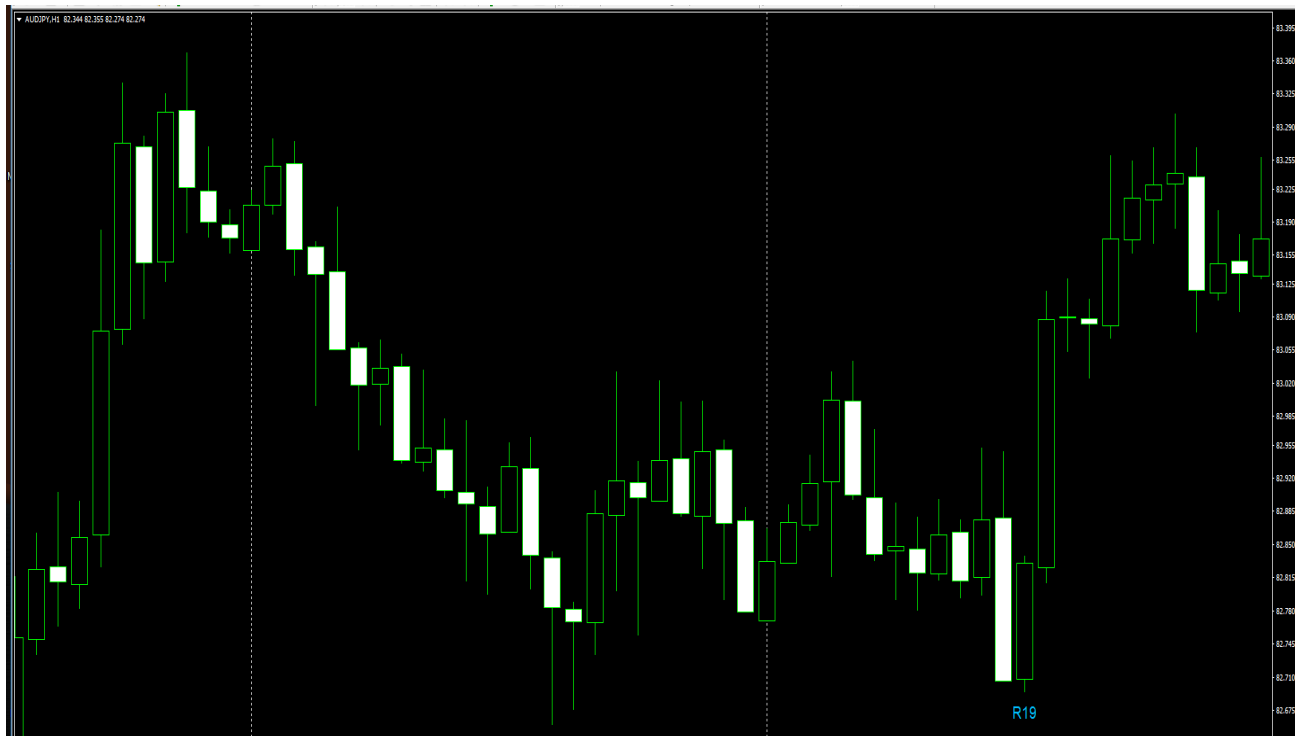
Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

**19.** When a price bar closes at it's absolute LOW on the H1. This becomes the signal bar. The next price bar open must be marked with R19.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": **MAB&PIN** or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

If set to 5 there will be 5 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.

Variable "R19 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 19's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

**20.** Convert ADX\_Difference indicator to mq4, every time there appear 5 consecutive green bars above zero. An ADX Difference bar must not be counted more than once in formation of R20. From <https://www.mql5.com/en/code/20912>

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False. Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 20's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

**21.** When first in a series of full green (No red at top or bottom) Gator bar occurs and corresponding price bar closes up but is lower in range (from high to Low) compared to previous price bar range, this is considered the signal bar. Going back 10 price bars ("Last no. of bars analysed": 10) from signal bar, the white Volume MA line must have closed DOWN by at least 0.01%. "VMA % Div": 0.01. The open of the next price bar after signal bar must be marked with R21 below it's price bar in red coloured text.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.



Variable "R21 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 21's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M15-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R21 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.



**22.** Is a variation of R11. The text of R22 in purple must be added/coded. Text /variable struck out must be removed from code. Take Rule 22 code from TechMoney Ltd; TechMonegise© EA (v2.08) already supplied. It's already created. Here is it's description:

(Same as R22 is coded in EA v2.07) When price close up compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes up compared to the value of the previous bar close. Therefore if 0.015% price difference is 2 pips and PVT difference is 4, for these figures the pips portion is 50% of PVT difference. Add Variable: "Price bar 2 body must be > half size body of bar 1": True/False. In other words bar 1 body must not be 200% or more > the body size of bar 2 in that respective time frame. See image:



R22 occurs at close of price bar marked with price label 1.06479. Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

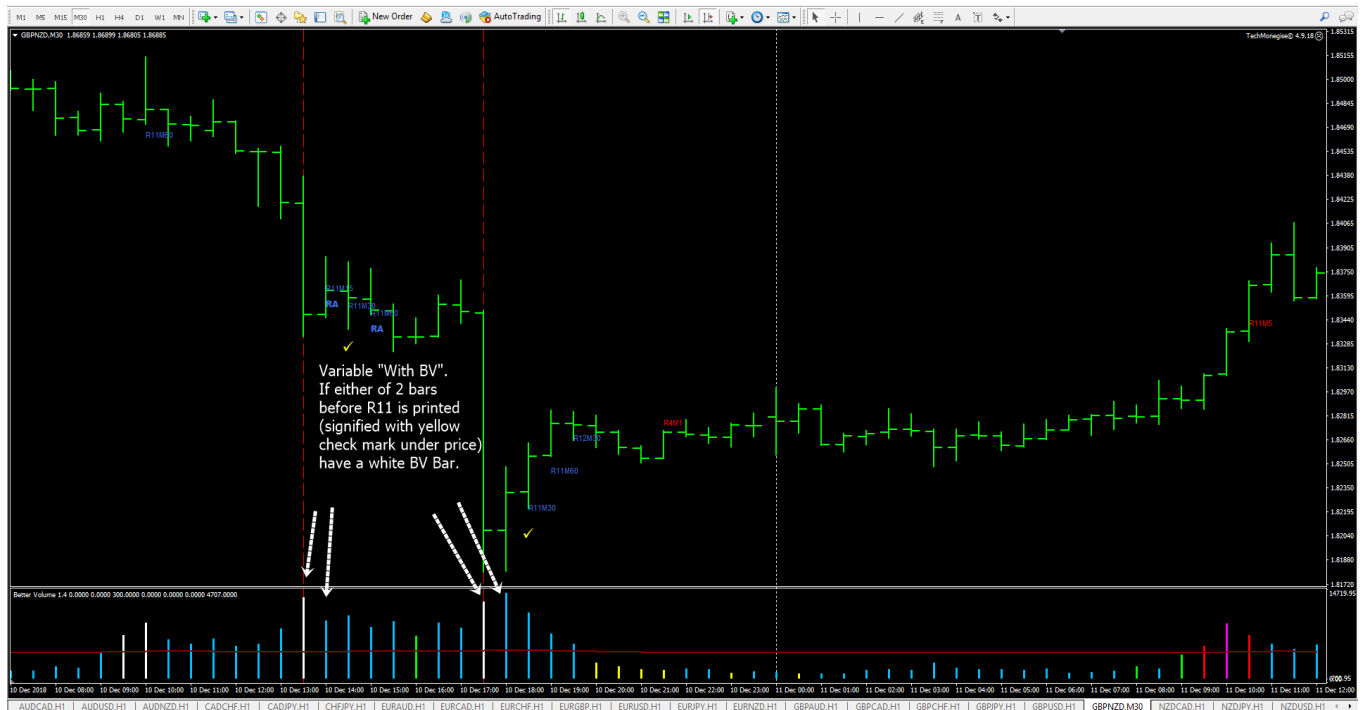
Variable "Last no. of": 1. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False. Appears in M15 on **Image**:



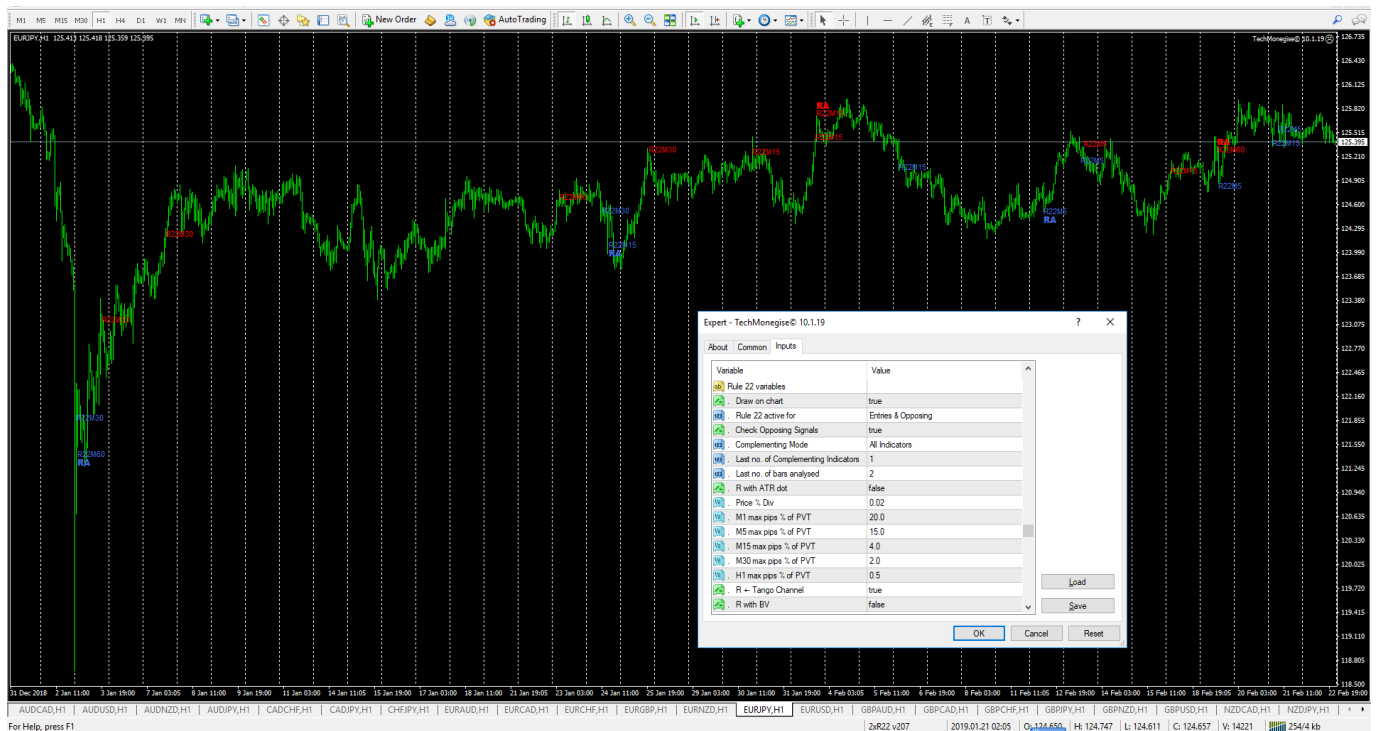
Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R22 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs. Add new Variable: "Print Rule on chart": True/False.

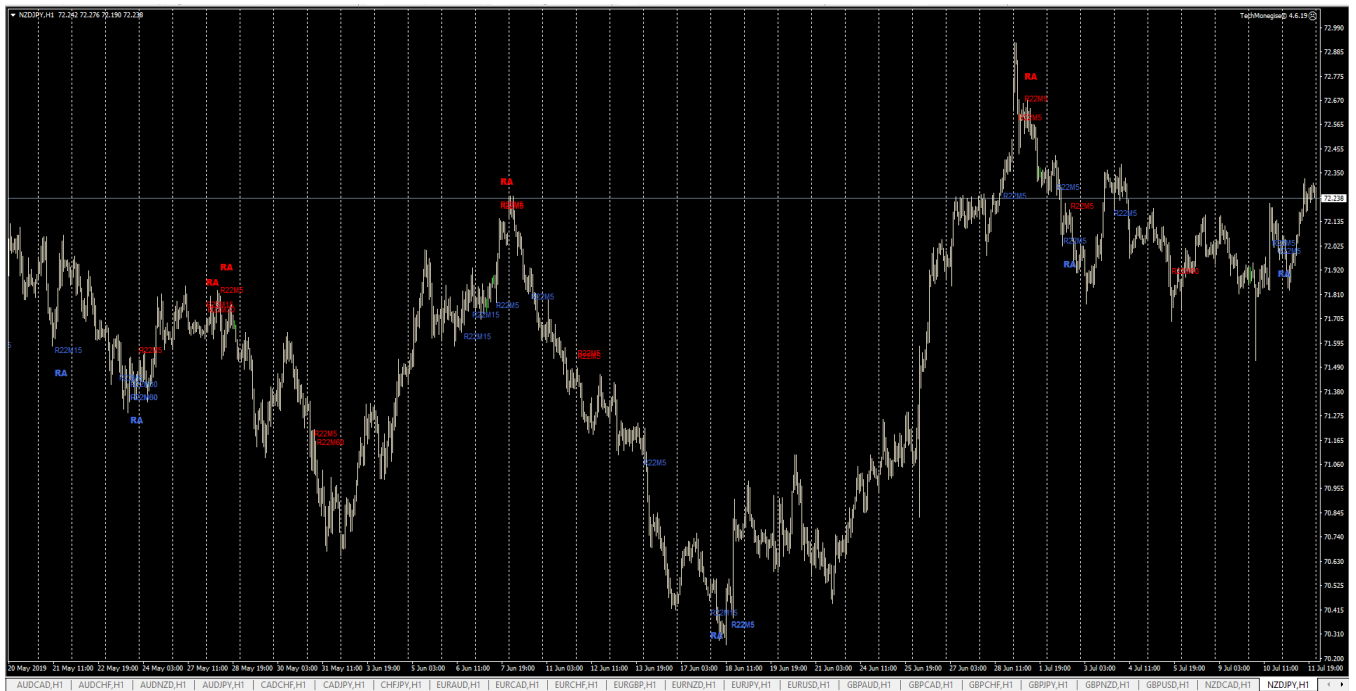


R22 should look like this (I.e where R22 is stated on chart) on settings provided where two (although 1 is the value entered in A) R22's make an A:

Variables to use in this rule:



How R22 looks with the supplied (in zipped folder) Preset file:



This Variable can be removed: "R22 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 11's in A/B. None (not be used for forming entries or opposing).

This rule applies to any TF between M1-H1.

23. When setting bar in charts to light colour such as "Cornsilk", green bars (whose price opened and closed the same level) will appear. When that close price is lower than the close price of the previous bar. R23 must appear on the opening of bar after the green bar, but at the price of close of the green bar.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R23 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 23's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1. Variable: "R with BV": True/False. If true Rule signal bar or one before it (i.e one or two bars before R23 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

## 24.

When the middle BB crosses above the Moving Average line (Blue); and MACD is greater than zero; and %D line for the stoch is greater than %K; and both Stoch lines are above 50.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.



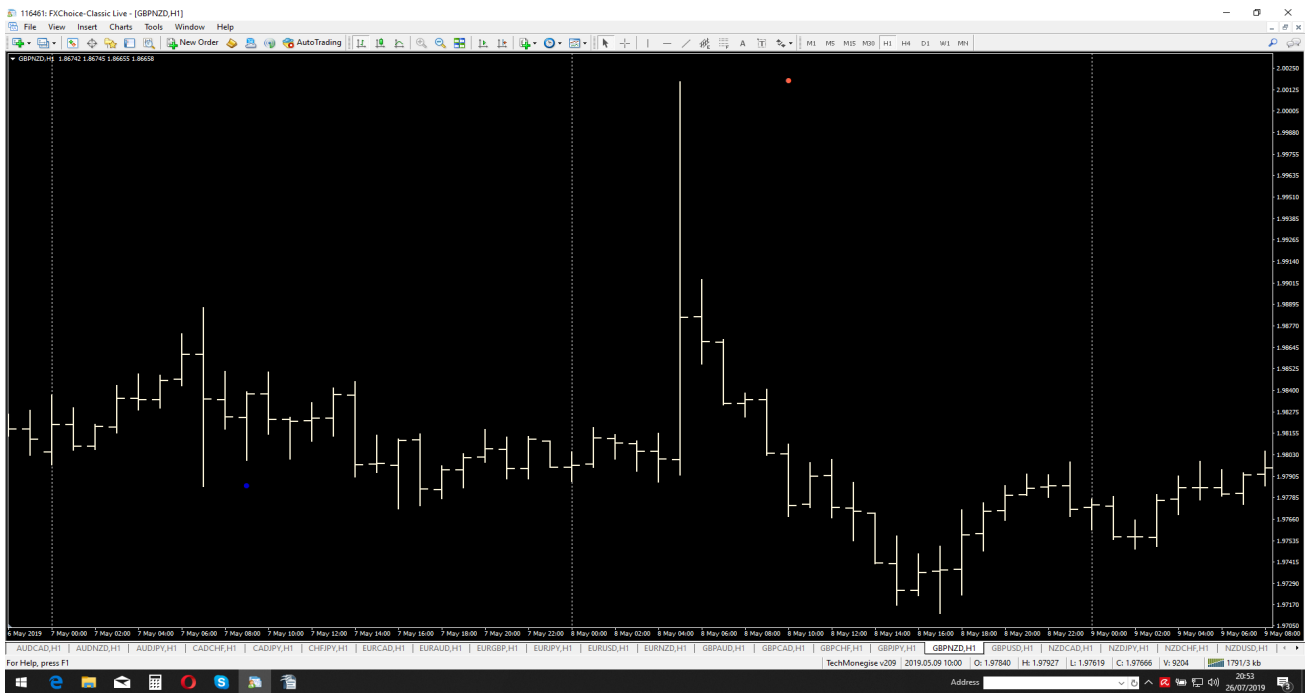
Variable "R24 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 24's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1. Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R24 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

## 25.

When a blue dot appears on the chart using "FlashMove Divergence" indicator then it is a R25 buy signal at the market price of that instrument in that respective TF. Delete the "Buy reversal" on chart message and "blue dot" and replace the blue dot with R25 and respective TF it occurred in and the actual price it occurred at. Not the price the blue dot occurred at. In other words display in same format on chart as all other R's display on chart. Note this rule will be displayed during the period of a bar and not on open of next bar which is how it is coded on all other rules.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

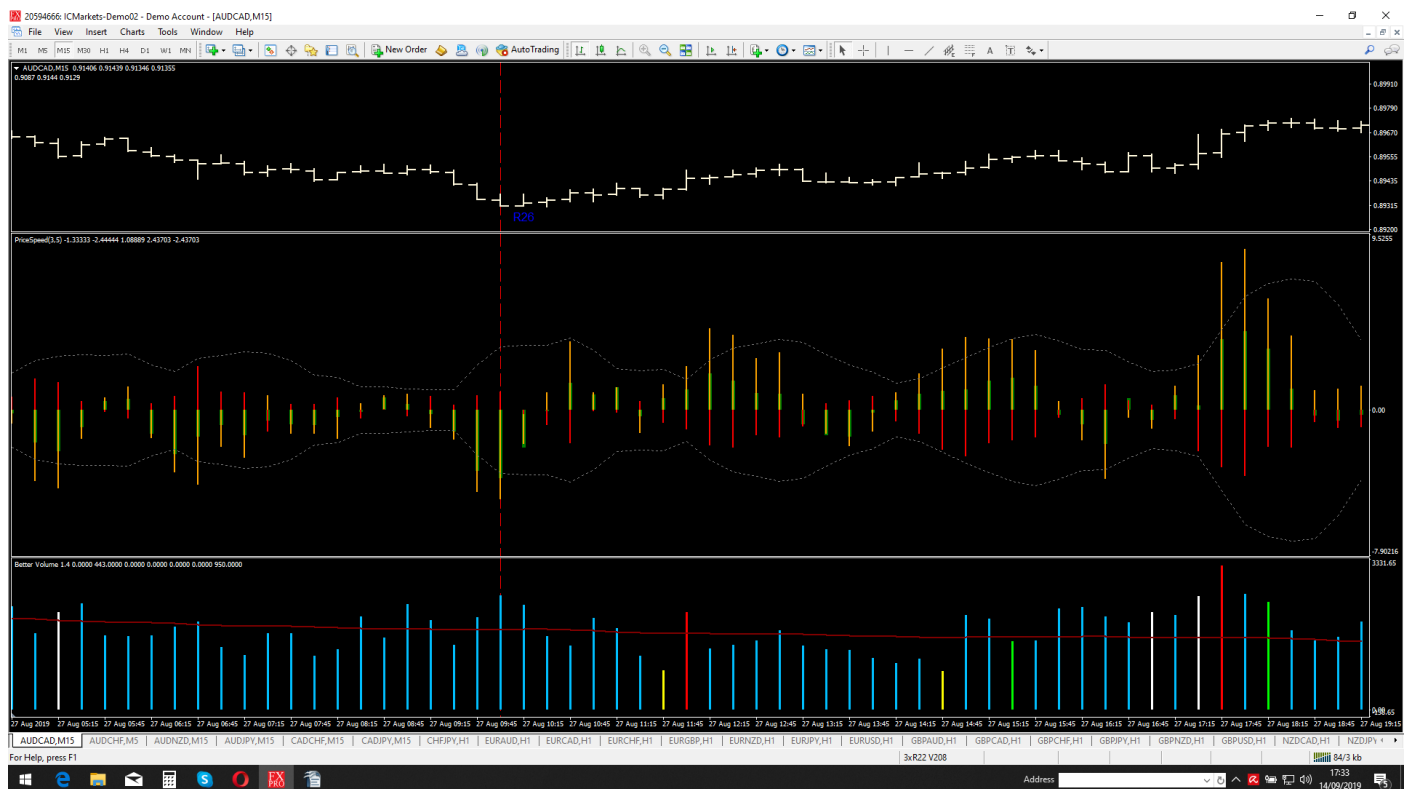
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.



Variable "R25 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 24's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R25 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

26.



When two consecutive price bars have the Price Speed indicator (source available for download from <https://www.mql5.com/en/forum/317404>) green value close below the lower dotted white line. Those two price bars must have either of the following configurations for Better Volume bars indicator: a blue bar and white bar. Or two white bars. New Variable: "Blue+White or 2xwhite": True/False. If false then two blue bars acceptable as well.

ALL below are standard filters already coded and part of most rules.

Add new Variable: "Print Rule on chart": **True/False**. Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False. Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R26 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 26's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

**27.**

**TBC**

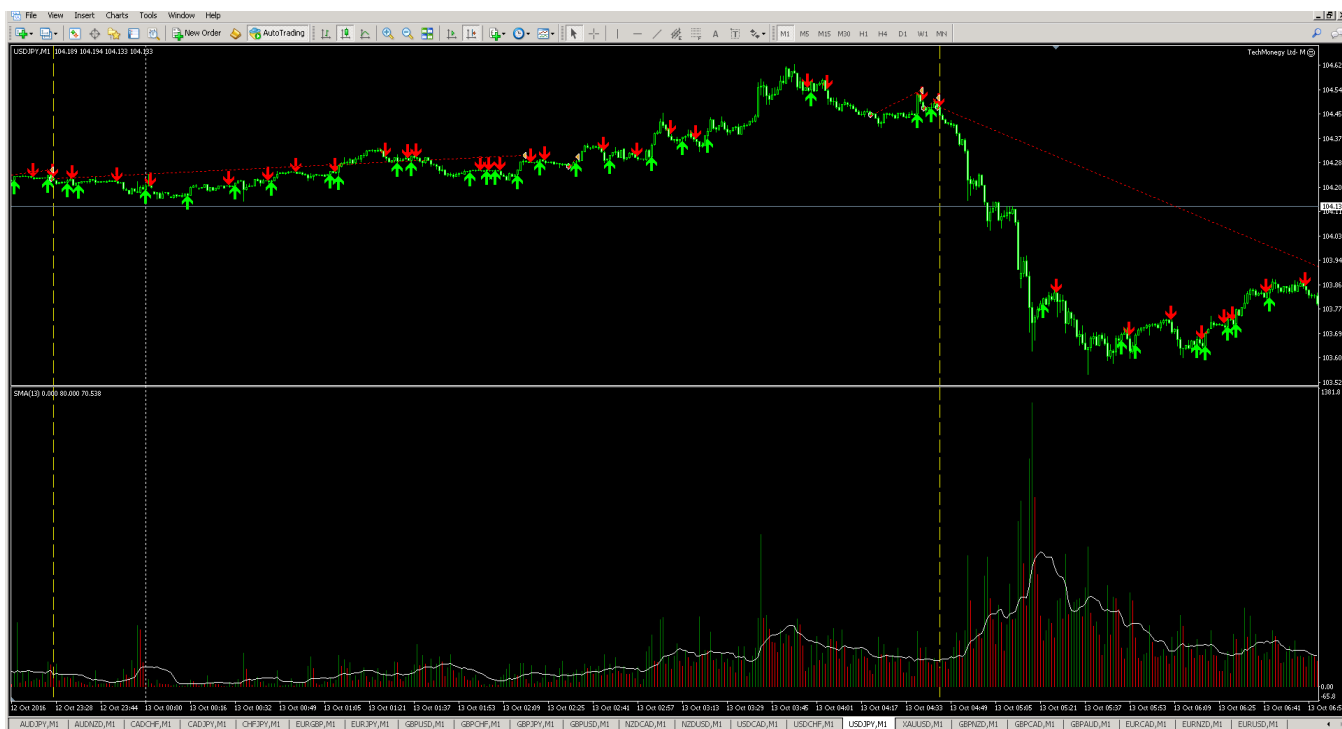
**A.** Take A code from EA supplied. Any of above R1-27 must occur an aggregate of at least three times. Stated by Variable "A Consecutive R1-27 's": 1 (which actually is 2) consecutively without opposing R1-27 on rules designated TF's. The price of each R1-27 must be lower and at a later time than the prior one. Therefore close of 3<sup>rd</sup> (most recent) R1-27 must be lower in price and later time than that of 2<sup>nd</sup> R1-27. Respectively close of 2<sup>nd</sup> rule R1-27 must be lower in price and later in time than that of 1<sup>st</sup> R1-27. Each R1-27 can occur on rules designated TF's. If 1 or more opposing R1-27 occur at the same time (on same or different TF's), the A count must begin from zero again. Once any R1-27 is used to form an A, that same rule must not be used in the count to form another A. Only count unused R's for new A. Note A images are examples from v1 EA rules 1-5. Therefore if Variable "Consecutive R1-27 ": is set to 2; A can be made up of 2 x rule 1, Illustrated. in **Image**:



Each rule 1 to be counted only once in it's formation of any rule 1.

Or 2 x rule 2. Each rule 2 to be counted only once in it's formation of any rule 2.

Or 2 x rule 3 illustrated in **Image**:

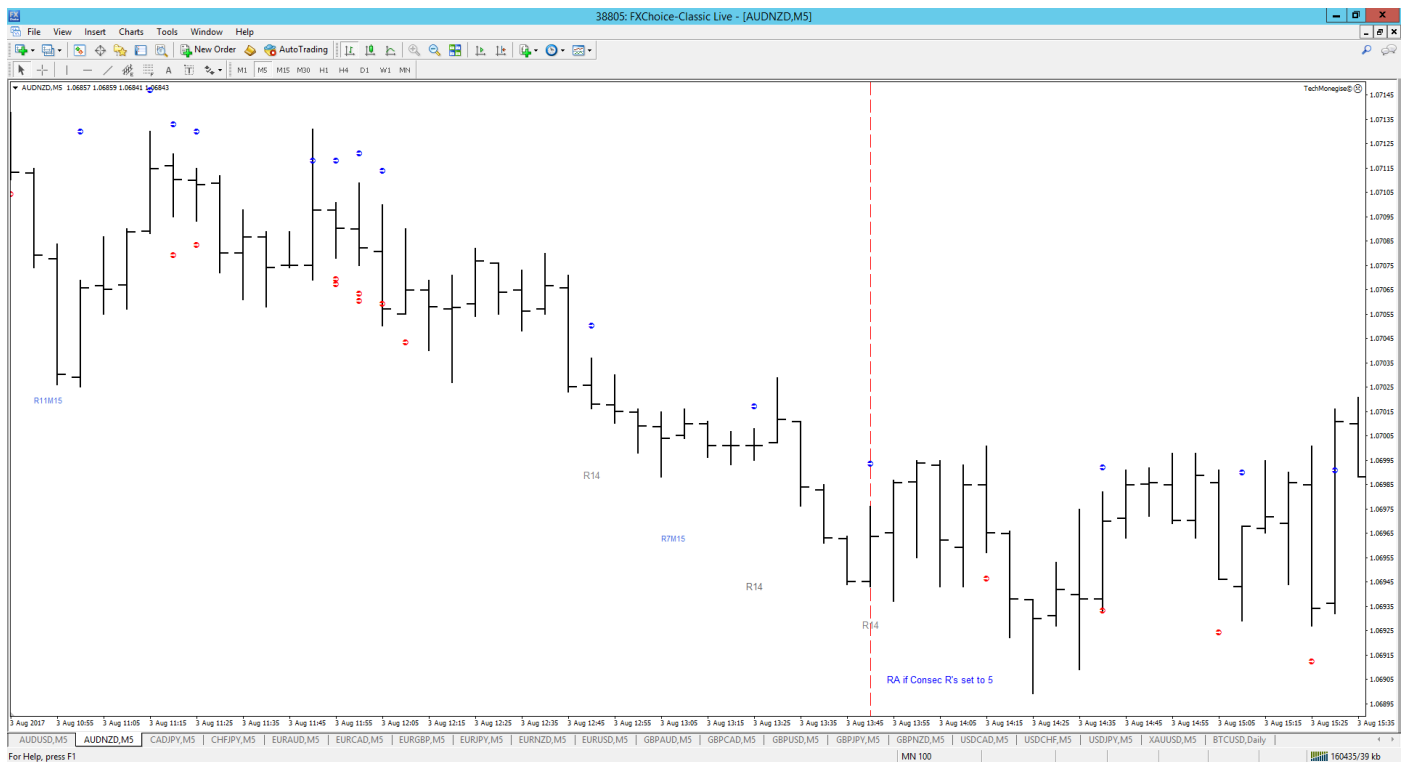


Or R5.1 and R4. Illustrated in **Image**:



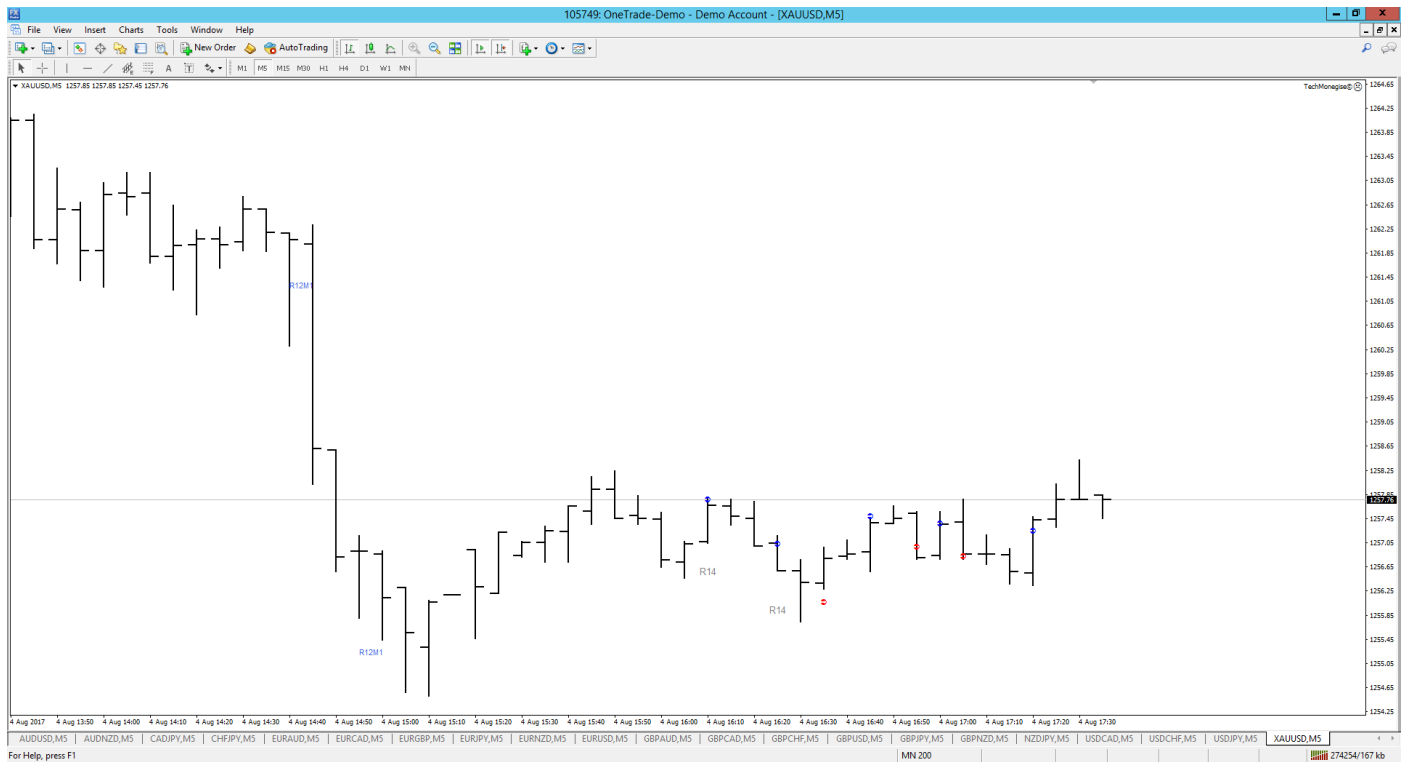
Each one of the rules must be at a lower price than the previous.

Or



Or if set to 4 Consecutive:





Add variable "A Marked with:" A or don't display. The 2 options in image below:



Make Variable: "Indicator only": **True/False**. **True** to be the default mode. When **True**, means no trades to be placed, however arrows must appear at price entry would have been made. I.e rule B. Only show live signals (not historic R's/signals). Show fixed "Hdn SL" and "Trail start" levels for each entry signal.

So in indicator mode a trader can see live entry appear with arrow/alert, and "Hdn SL" and "Trail start" price levels for each entry signal on chart and in alert!

When set to **False** then these arrows don't print on chart. But only normal entry and exit arrows print on chart. EA, then it trades as below.

**B.** Entries can begin after A. Entry is invalidated if an opposing R1-27 occurs or price has first gone into more than 0.1% profit from latest rule confirmation price (A). Variable: "Invalidating price move % from latest A": 0.1%. If hit, count for A would begin from 1 again.

Make Variable "Buy enter better than A price by %": 0.06." Therefore if A price is 1.5000 long entry must be at 1.4991. This must be a different variable to the buy one. If opposing R1-27 occurs after A and before entry, then entry is invalidated. Where in the same symbol a new better price A occurs while current market is between above two variables awaiting entry or invalidation, then the primer better price is over written, the new better price becomes the waited upon price. For buy the lowest. Have slippage allowed applied, so it keeps re trying entry as far as price spread/slippage below is satisfied and is same or better than B. Variable: "Max Spread % allowed": 0.03. So if price is 2.1000 then the max spread allowed for entry is 6.3 pips (63 points). Variable: "Max Slippage points allowed": 3. Max Slippage allowed for entry would also be 0.3 pips (3 points).

**C.** Make Variable "Hdn SL%": 0.25%. This executes at market so hidden from broker. Variable: "Fk SL" : 0.4%. So this is a fixed fake SL simultaneously shown in order when opened. When exit occurs with this variable; "SL" appears in comment. This value must always be greater than that of "Hdn SL%". SL price calculated from each entry price. Make Variable "Hdn SL": True/False. Risk size of entry should be 1% of free equity; use SL distance and RCb and RCc variable values to Calculate. Variable: "Risk % per order:" 1%. Prevent new entries if B still valid but at least one of below occur (but resume if they don't occur):

Ca. There is an opposing rule R1-27

Cb. If new trades takes sum loss of account (Hdn SL, not trailing) of total open trades + trade trying to be opened over 15% value with Variable: "Max loss of open trades v bal < %": 15.

Cc. No new trades if new trades takes sum loss of account base currency (Hdn SL, not trailing) of total open trades + trade trying to be opened goes below Margin Level 2000%. Make Variable "Min Margin level %": 2000. This dynamic value is seen on the MT4 platform.

Cd. Have Variable: "Max open entries per pair": 5. For both directions on all magic numbers on acc.

Ce. Variables in C must be on whole acc. No exceptions to this rule. Regardless of Magic number or EA used.

Cf. Variable: "Invalidating price move % from latest A":

Cg. "Max Spread % allowed":

Ch. "Max Slippage points allowed":

Messages in experts tab in platform must print stating the first (only) of the Ca-Ch reasons that prevented entry. Currently only Cf prints but does so after other entry nullify already occurred i.e Ca.

**D.** Exit trades profitably (after any cost of commission, spread and SWAP on trade) as follows with value of Variable: "Trail start%": 0.32 being calculated from entry. So on a long if entry price is 1.5000, trail starts at 1.5048.

The SL follows market price up with Variable: "Trail by%": 0.05. So this is the amount the trailing stop should be below market price as it moves into profit, it starts from 0.05% below trail start price. Therefore to prevent loss, "Trail start%" value from start to entry must be larger than "Trail by%" value.

All exit orders in RD must execute at market so hidden from broker (stealth). Make so order never close at loss using "Trail by%", this is the method ALL profitable trades will close.

**E.** Global Variables;

- Add Variable: "Only count from R's lowest TF history available": True/False. Meaning don't show/count (for A) R's that would appear before where the lowest TF history is not available. NOT ADDED.

- Add global Variable: "Comment" field that user can fill in EA setting.

- Add simple to administer security license scheme to be used if EA were to be sold: E.g explained here <https://www.mql5.com/en/code/15534>. Variable: "Account number": 123344, so check for EA license use, with date for expiry, if blank then works indefinitely. Account number and date to be changed from source code fields.

Copy both mq4 and ex4 files in the MT4 experts folder of the MT4 platform, then open by double click the mq4 file, it will open in metaeditor: Change Line 602 (Add your login), Change Line 611 (Add expiry), Change Line 971 (Add expiry). Then click compile, then send that ex4 file to user.

- Variable: "No new entries between": 18 Dec and 7 Jan. Only closure (according to rules) of existing trades on acc occurs between these low volume dates.

-Display dynamic spread on each chart in points (you can get code for this from ea "TechMoney; Gain@") and as % of price. E.g if price is 2.1000, Spread shown is 0.03% and 63 points.

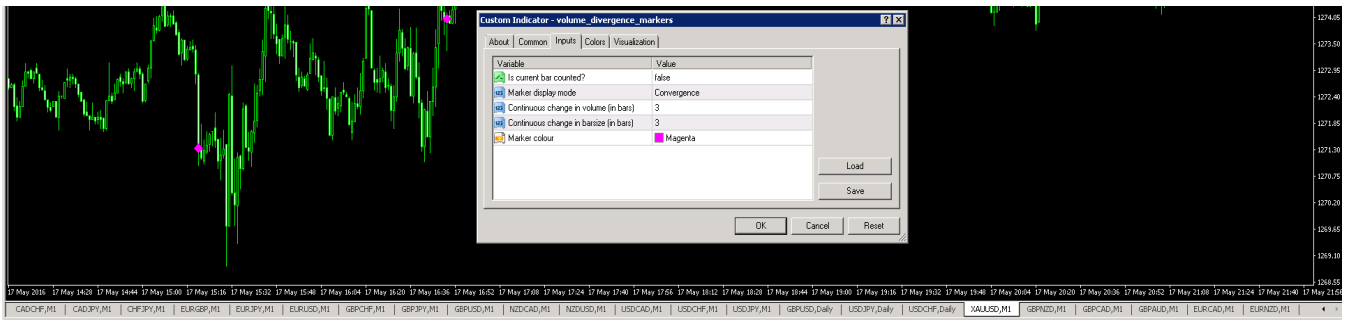
- Variable: "No new entries between": 18 Dec and 7 Jan. Only closure (according to rules) of existing trades on acc occurs between these low volume dates.

-Display dynamic spread on each chart in points (you can get code for this from ea "TechMoney; Gain@") and as % of price. E.g if price is 2.1000, Spread shown is 0.03% and 63 points.

-No new trades should be opened on account from Fri 4pm GMT for rest of day, close all trades open on account when each in profit (by at least 0.10% after any cost of commission, spread and SWAP on trade) from 4pm GMT Fri, then close any unprofitable trades on account from Fri 8pm GMT. Variable can be called "Safer weekend+": True/False.

## Short when:

1. *Volume\_Divergence\_Markers* on custom settings shown in **Image**:



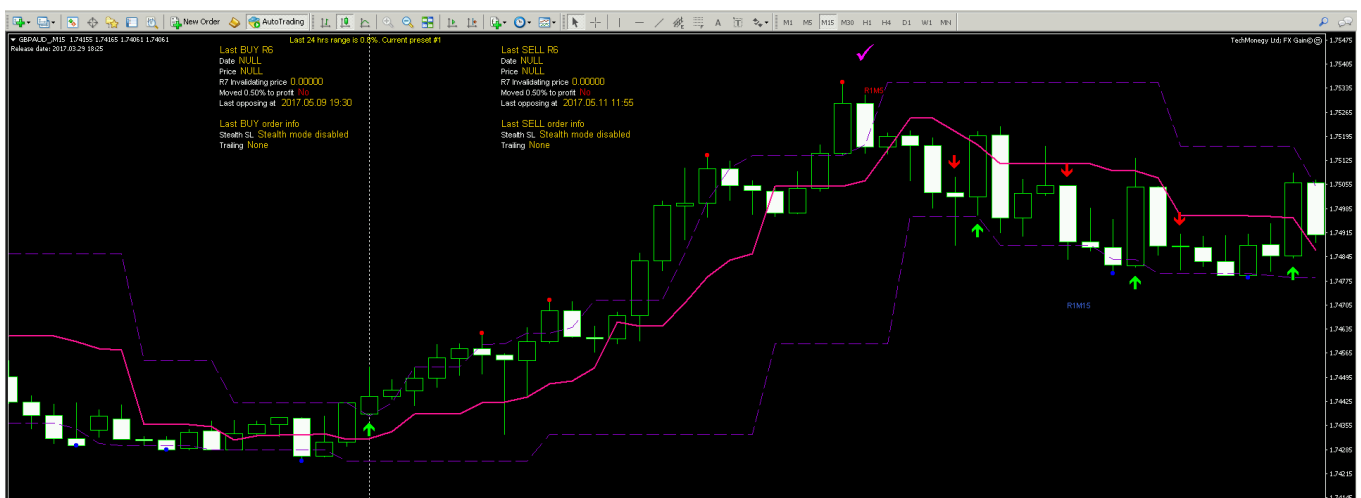
When a Sell VDM appears; that price bar (close is the R1 price) and the previous (preceding) price bar must both close down. "Show diamonds on chart": **True/False**. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, price must have closed lower by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, the white Volume MA line must have closed up 0.01%. Variable: "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume\_Divergence\_Mark, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

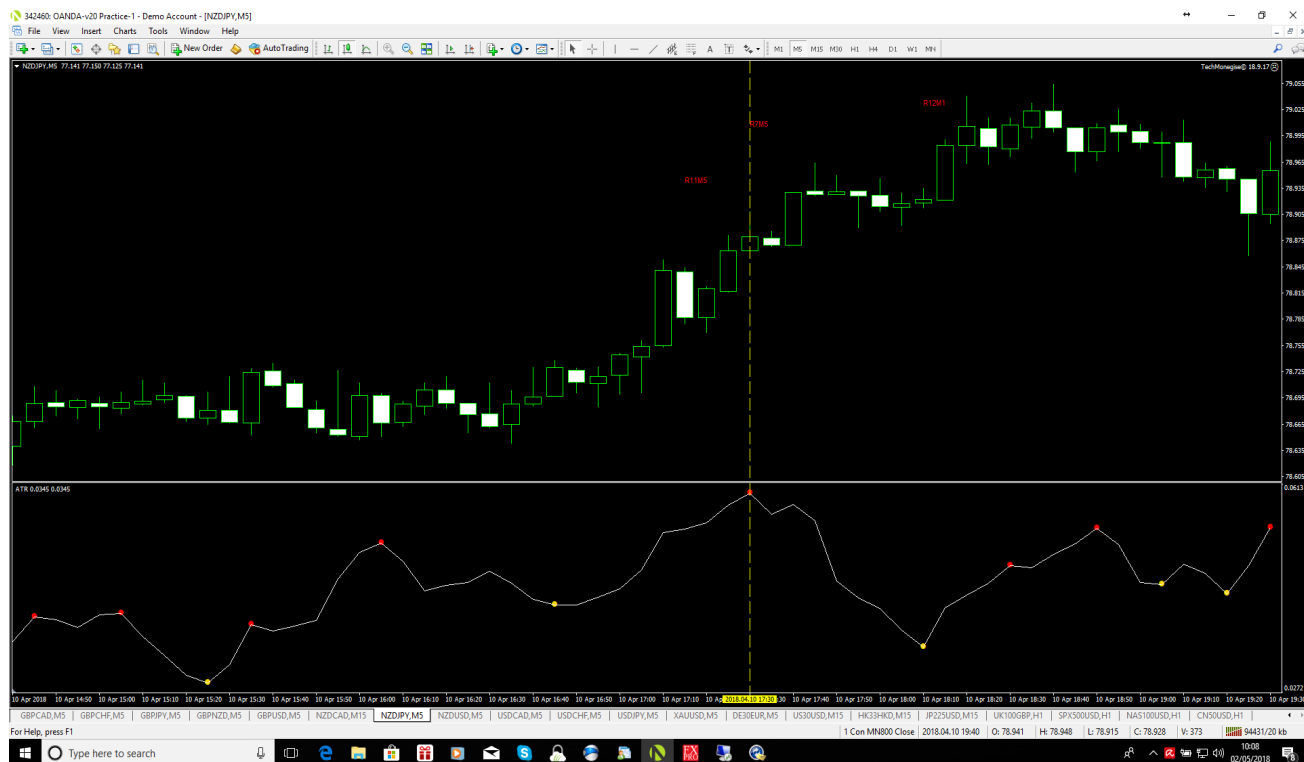
Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in image below.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs. See image below:



Variable "R1 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 1's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

- When all 4 consecutive red volume bars close above SMA line (VolumeMA) and the corresponding 4<sup>th</sup> (furthest left) price bar closes lower than the 1<sup>st</sup> (furthest right close is the price of the R2), by at least Variable "Price % Diff": 0.3 (0.3%). Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. This signal is illustrated in M30 TF in **Image** below and signal marked with a green dotted vertical line.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Each rule 2 can occur on any single TF between M1-M30. Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in **Image**: Rule 2 formation is demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R2 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 2's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

- When on same price bar the following 4 indicators occur: the TechMoney Ltd-M EA (same as Moving Average EA on MT4 platform) on default settings shown in **Image** (use code of this EA to make this indicator) red sideways sell signal occurs (this is the price of the R3). The red side way arrow must be above deep pink tango line. Ensure spread is equally added for both buy and sell with "Pips spread": 2. A red ADX\_Alert (Norbert\_60seconds) sell arrow occurs. A red below SMA line (VolumeMA) volume bar occurs. Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

It has occurred **Image** below is a rule 3 signal.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R3 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 3's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

4. When *Gap\_Finder* (either blue bullish or red bearish indicator) regardless of gap closed or not (Variable "Min gap size in points": 5) appears **above upper Tangoline** indicator, that price bar has *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. The 3<sup>rd</sup> (most recent) bar close (this is the price of R4) must be higher than the price of the appearance of the Gap Finder on previous (middle) bar. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D* line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

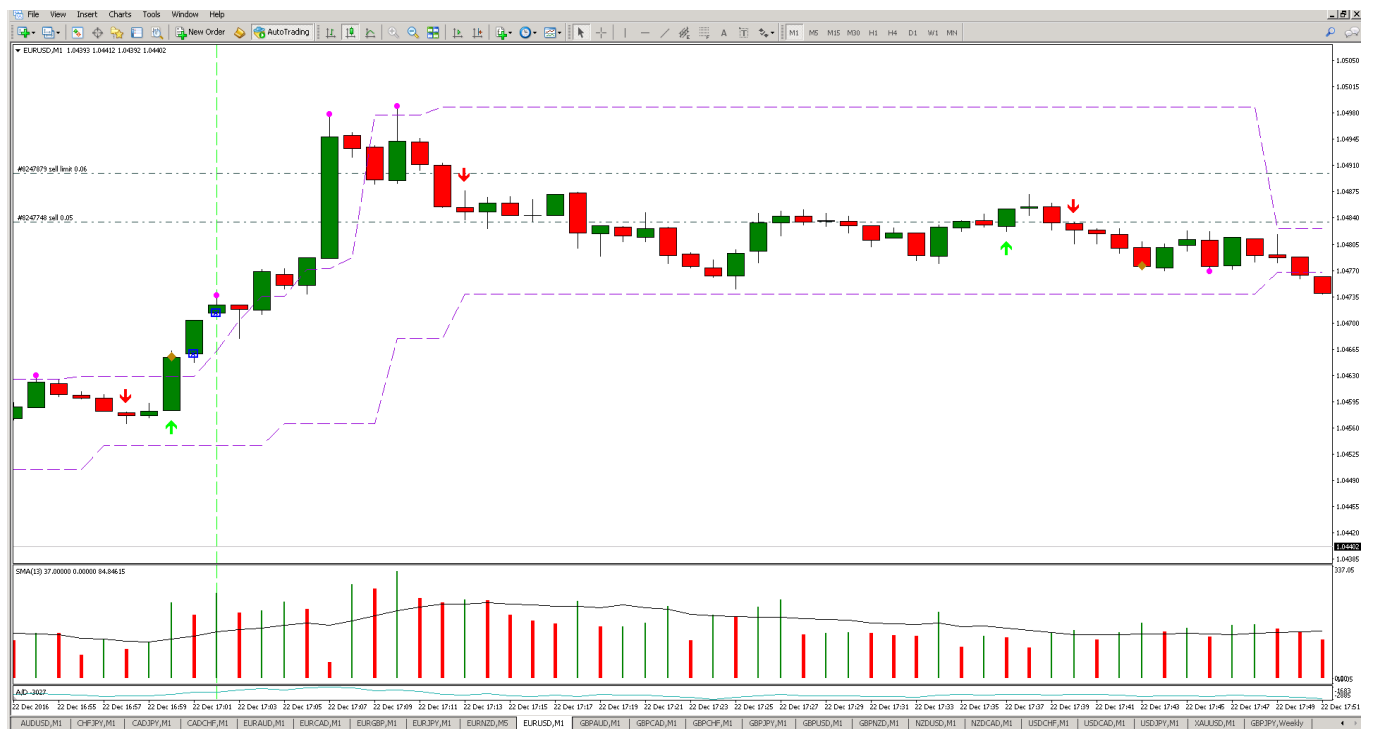
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

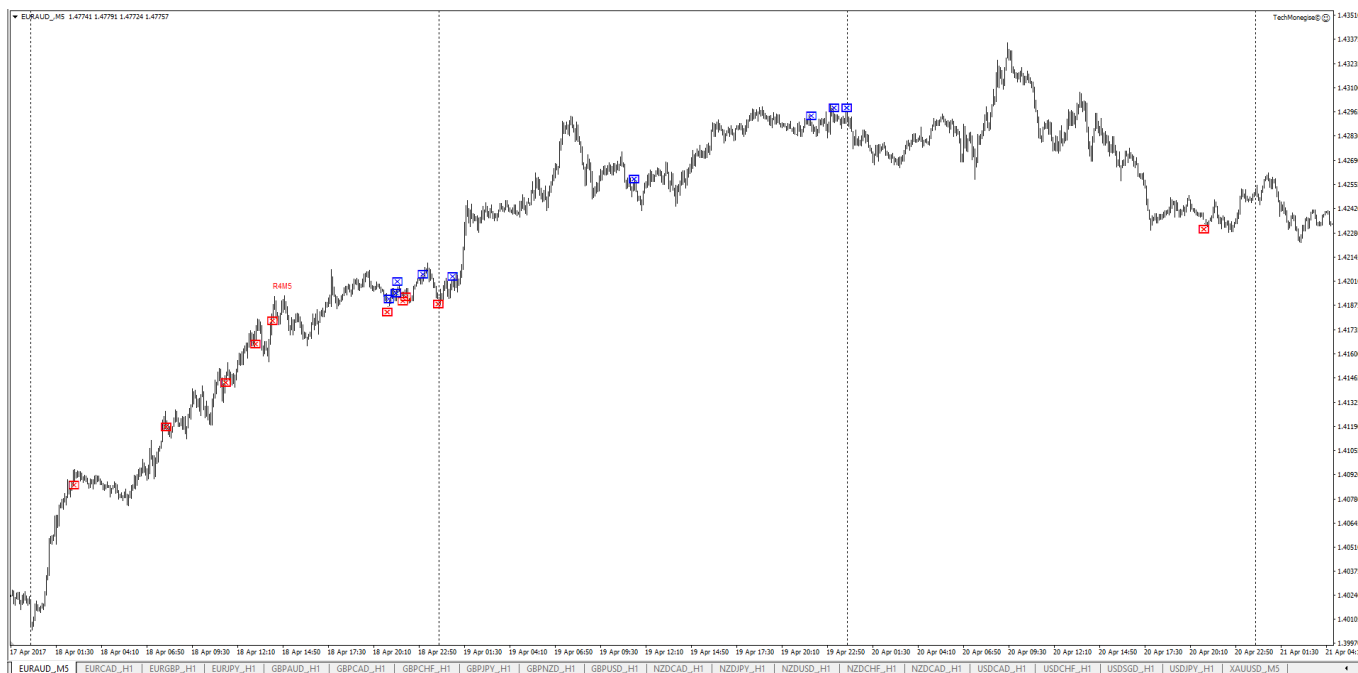
Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. **Image:**



Or





Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R4 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 4's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

- When Price closes at new high (determined by Variable "Price min div %": 0.05) compared to the price it closed at X bars ago (determined by search period with Variable "Max price bars back": 13). Simultaneously for same period PVT closes down by value in Variable "Min PVT diff": 1 (this is for M5, it is multiplied up by 2.5 for every additional M5 TF. E.g for H1 TF value is 30).

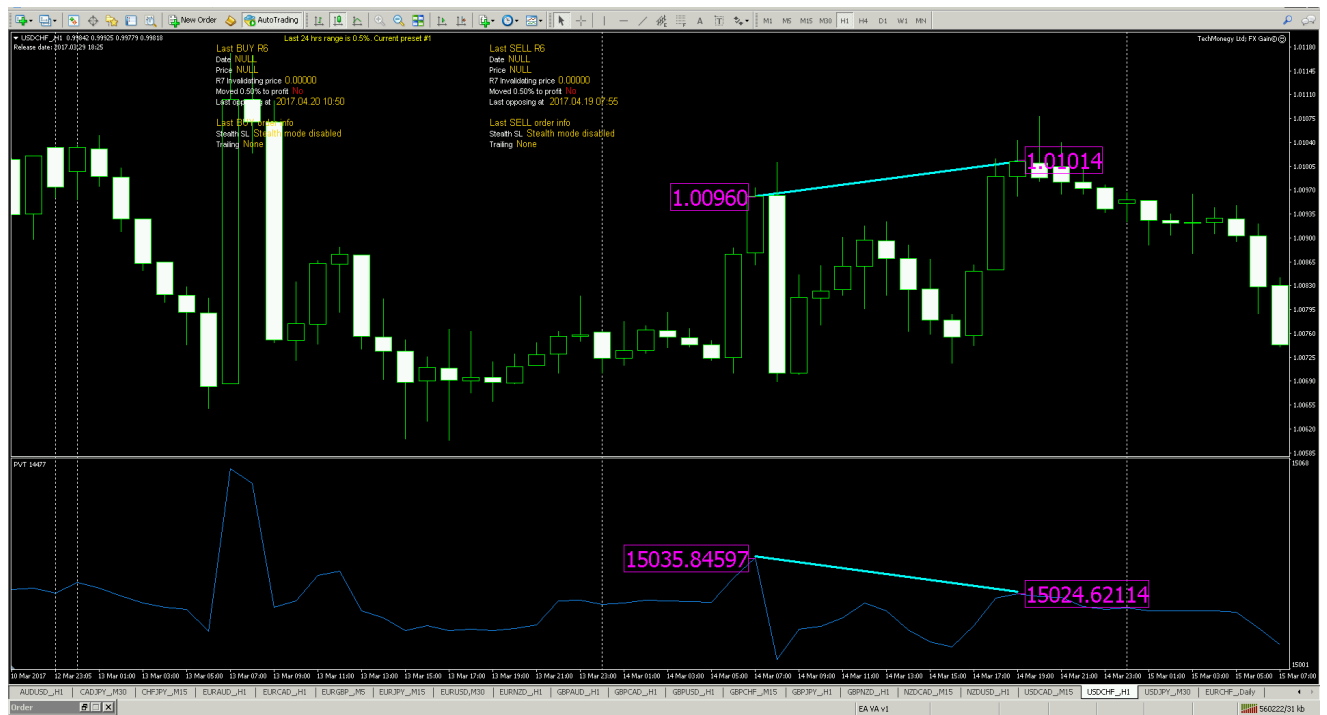
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

This set up is illustrated in **Image**:





Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R + Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in image below.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R5 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 5's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M5-H1.

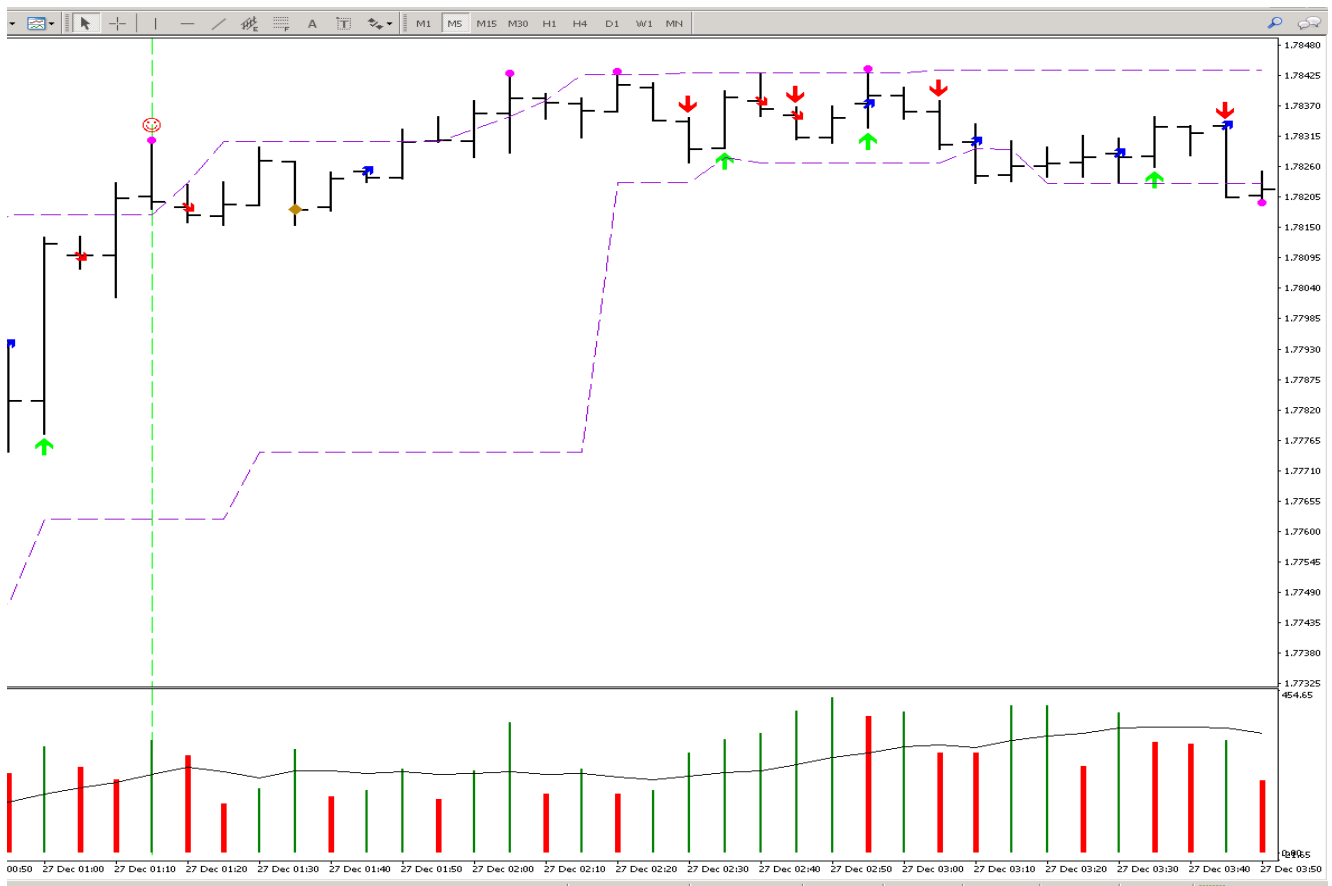
- When a red sell *Pin Bar Detector* indicator appears (on default values of indicator) above price bar, that price bar opens and closes above upper *Tangoline* indicator, and does not make a low equal to or greater than upper *Tangoline* indicator, that price bar must have *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3<sup>rd</sup> (most recent) price bar close (this is the price of R6) when it closes up and higher than the close price of the previous (middle) bar.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below (note this rule is set up is a rare occurrence and it's frequency likely to be once every 6 wks per TF):



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

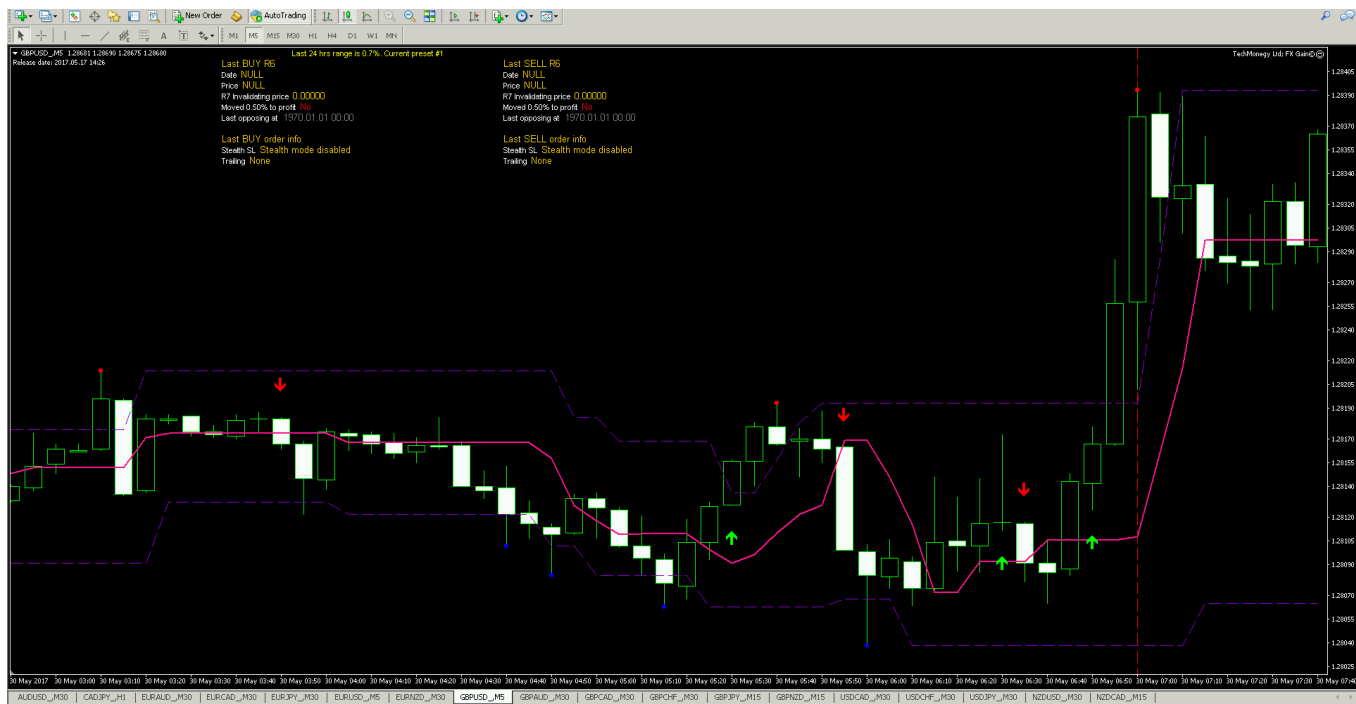
Variable "R6 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 6's in A/B. None (not be used for forming entries or opposing). This rule can only occur on M1-H1 TF.

7. When a red *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price bar appears, that price bar closes up and Above upper *Tangoline* indicator, and does not make a low equal to or greater than upper *Tangoline* indicator.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R7 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule R7 in A/B. None (not be used for forming entries or opposing). This rule can only occur on M5-H1 TF.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

8. When a red *ADX\_Alert* (Norbert\_60seconds) sell arrow occurs (on default values of indicator) above price bar, that price bar

closes below lower *Tangoline* indicator, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3<sup>rd</sup> (most recent) bar close (this is the price of R8) when higher than the close price of the previous (middle) bar. From this middle bar (marked with dotted vertical line) going back 15 price bars ("Last no. of bars analysed": 15) the white *Volume MA* line must have closed up by at least 5% lower. "VMA % R8": 5. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D* line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. R7 can occur on any TF between M1-M30. Only the above *SMA* and *Accumulation Indicator A/D* relationship must also occur on at least 2 other TF between M1-H4 from current signal bar simultaneously. Variable: "Simultaneous other TF occurrence": 2.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Signal is marked with a dotted vertical line in Image below:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R8 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 8's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

9. When a 9 with same colour arrow above it from *MAB\_TD\_Sequential* indicator (on default values) appears above price bar, that price bar closes (this is the price of R9) above upper *Tangoline* indicator. Plus either of the following 9.1) Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. Or 9.2)

The volume bar is below SMA Line. The volume bars either side don't matter. Variable "Volume mode": A or B or Both.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

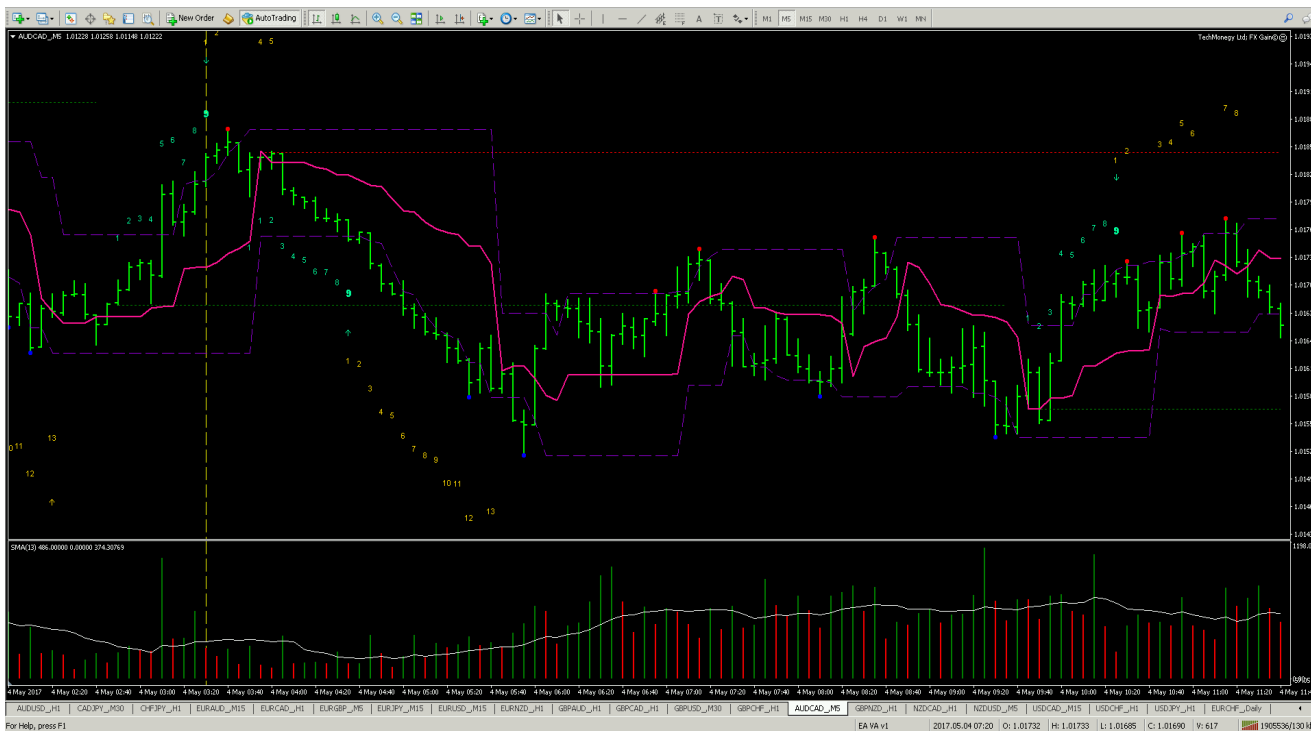
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below:

9.1)



9.2)



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

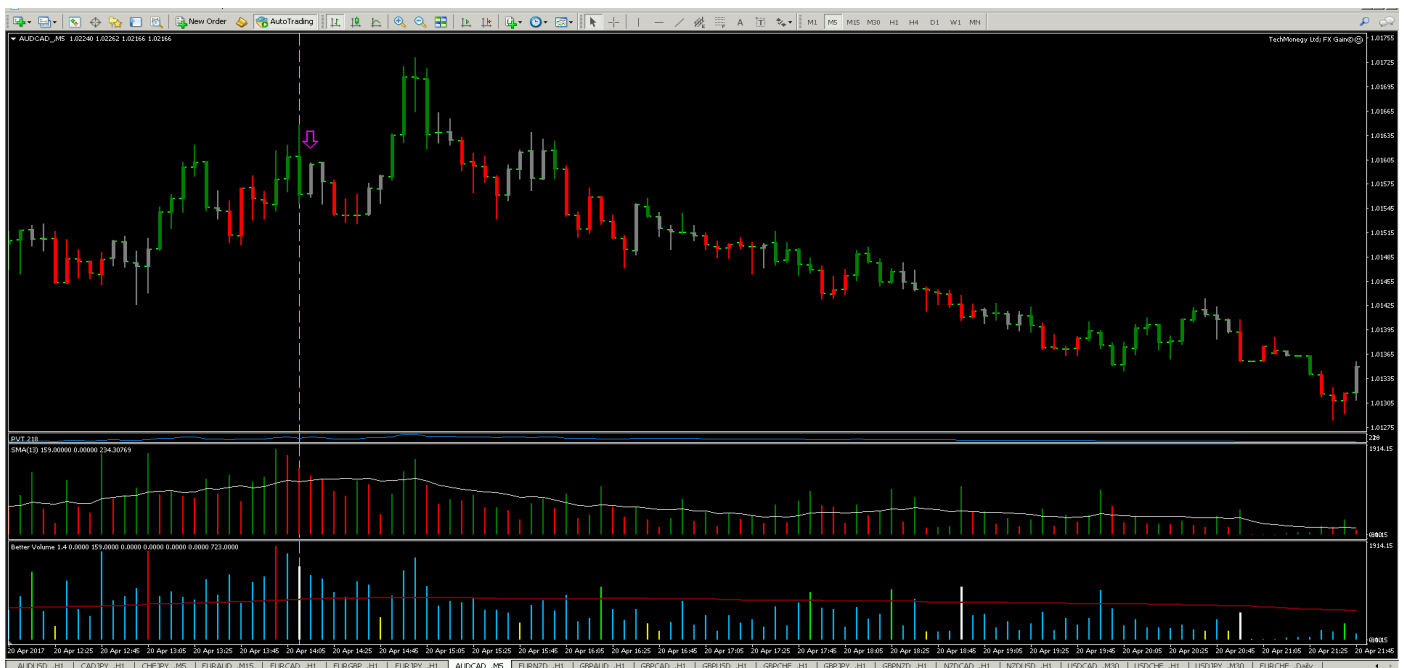
Variable "R9 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 9's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

10. When a green *Zone Trade\_v2.4* (in default settings) price bar closes. On same bar volume closes red and above SMA white line. On same bar *Better Volume* (in default settings) closes white and above it's maroon MA line. When all 3 events occur on same bar close (marked with yellow vertical line) this is the price of R10.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in image below.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R10 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 10's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M5-M30.

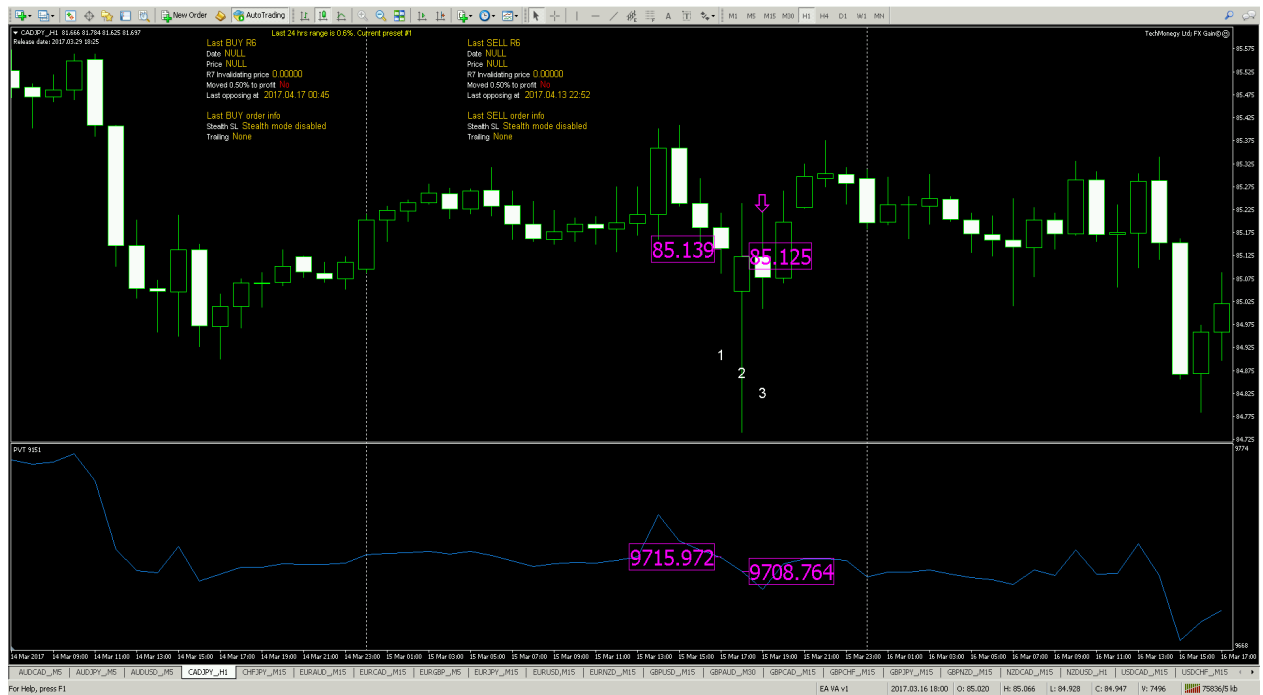
11. (Same as R11 is coded in EA v2.05. Leave as is in supplied V2.08!!) When price close down compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes down compared to the value of the previous bar close. Based on signal below in image; if 0.015% price difference is 1.4 pips and PVT difference is 7.20, for these figures the pips portion is 19.44% of PVT difference. They are displayed in R9 currently in Image below:  
 R11 occurs at close of price bar 2. Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

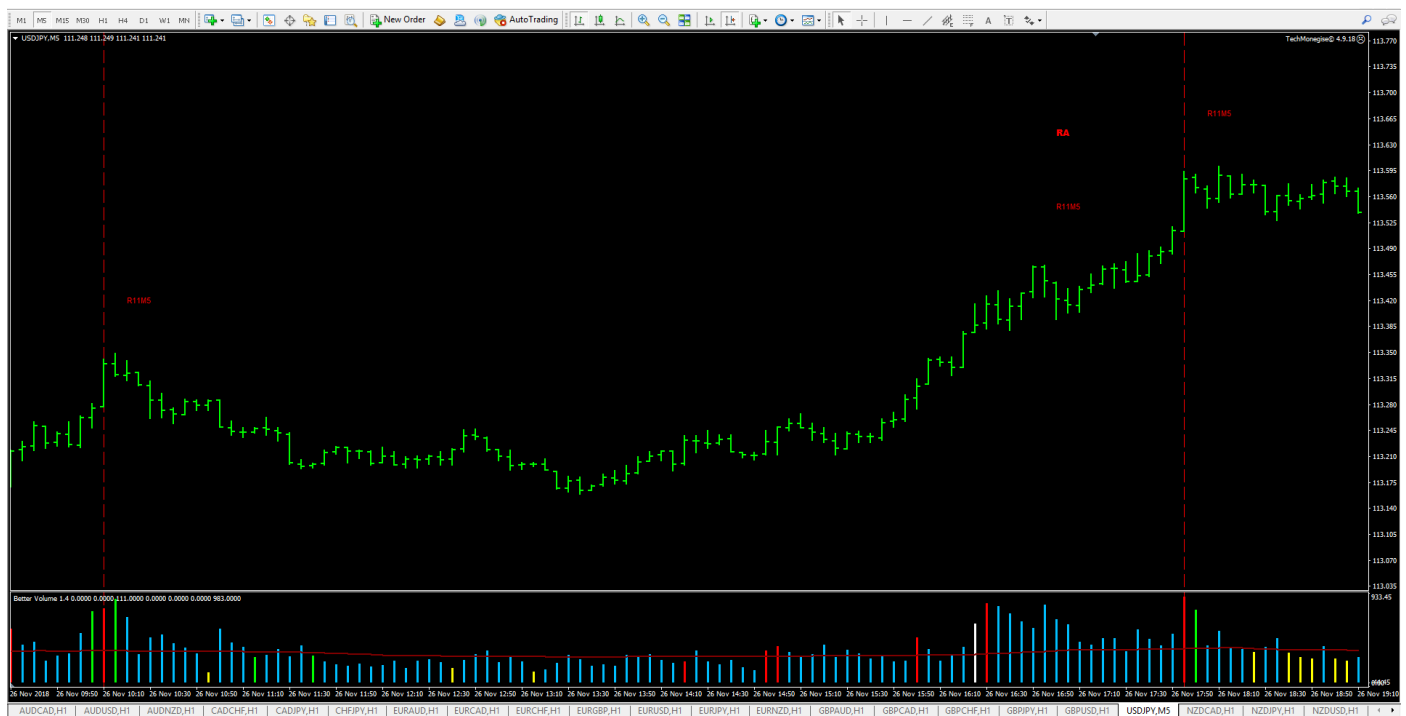
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, [AO Divergence](#)) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Appears in H1 on **Image:**

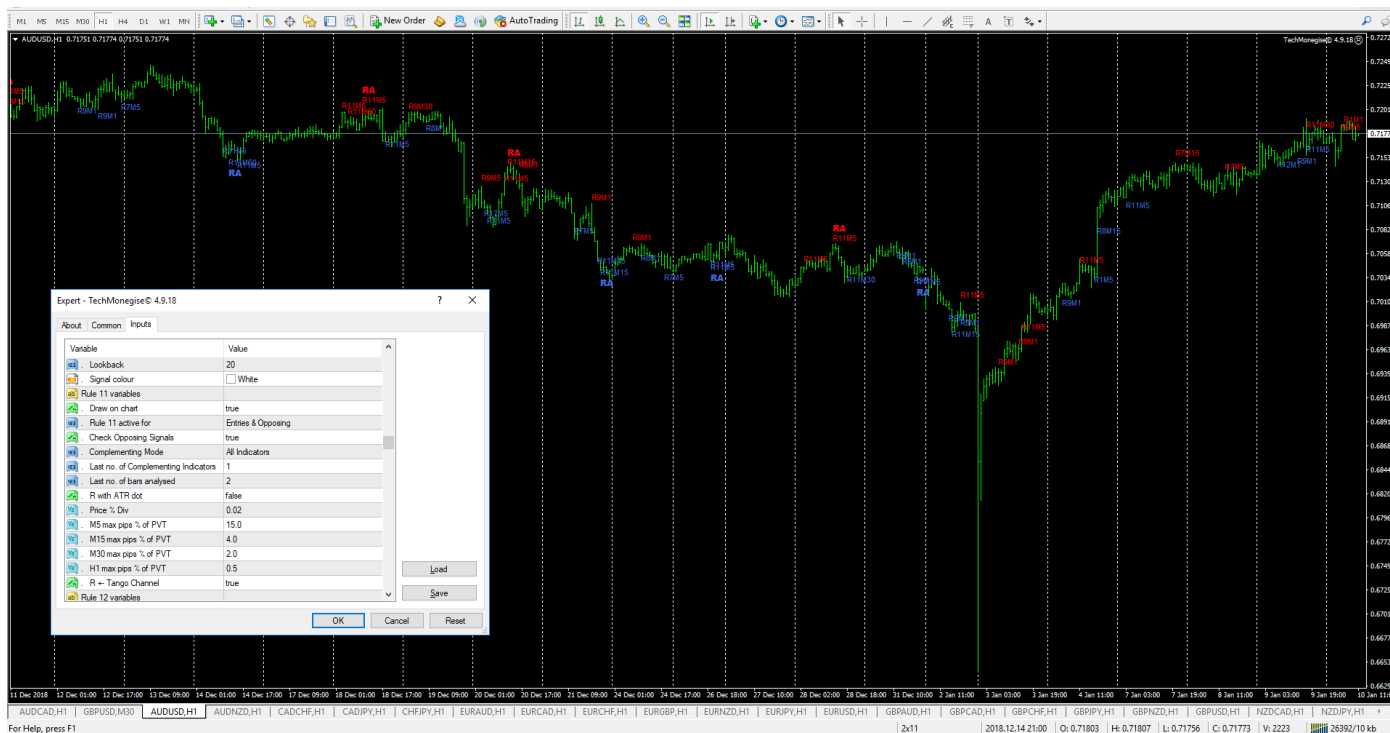


Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R11 is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

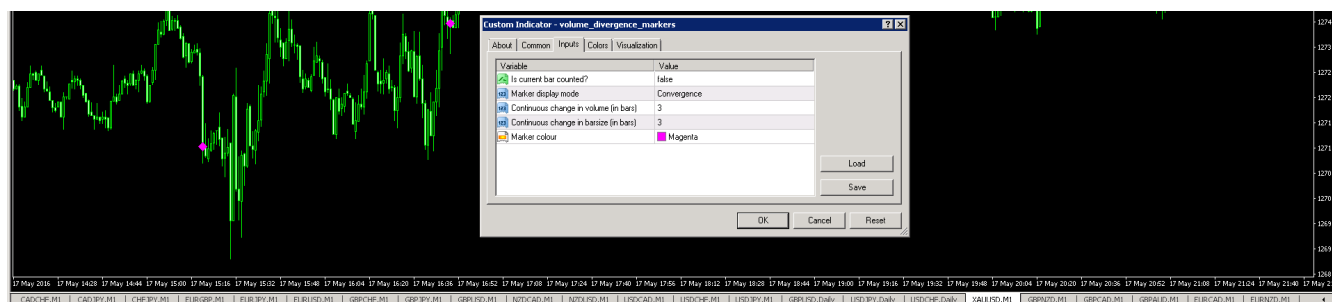


R11 should look like this (I.e where R11 is stated on chart) on settings last sent where two R11's make an A:



Variable "R11 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 11's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

12. R12 is similar to R1. This R12 must have it's own *Volume\_Divergence\_Markers* settings shown:



When the Sell VDM appears; that price bar (close is the R12 price) and the previous (preceding) price bar must both close down. "Show diamonds on chart": True/False. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, price must have closed lower by at least 0.03%. "Price % Div": 0.03. And; Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, the white Volume MA line must have closed up by at least 0.01%. "VMA % Div": 0.01. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume\_Divergence\_Mark, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCWSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCWSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R12 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 12's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.



**13.** When a *Better Volume* (in default settings) close red. The value of the volume bar must be less than 150% . The formula is as follows if BV value is higher value of two: Average line value 200/ BV bar value 300 = 0.66 x 100 = Therefore "BV bar less than average in %": equals 66% of the maroon average value. The formula is as follows if BV value is lower value of two: e.g BV bar value 200 / Average line value 300 = 0.66 x 100 = Therefore "BV bar less than average %": equals 66%.

But the formula is as follows if BV value is higher value of two: BV bar value 800 / Average line value 550 = 1.45 x 100 = Therefore "BV bar less than average in %": equals 145%. Variable: "BV bar less than average in %": 150. The corresponding price bar in that TF the signal is setting up must have closed up by at least the following values in each variable representing that TF. Variable: "Price bar % close in M1": 0.1. Variable: "Price bar % close in M5": 0.2. Variable: "Price bar % close in M15": 0.4. Variable: "Price bar % close in M30": 0.8. Variable: "Price bar % close in H1": 1.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R13 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 13's in A/B. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

**14. (Needs to be coded if not in EA)** Ensure R1-13 and R15-25 are included. When a single buy iMA arrow on default settings occur. The following spread to filter some out. Variable: "iMA spread pips": 2. iMA only becomes R14 when it is (lower in price) before or (higher in price) after another **R1-13 and 15-25**.

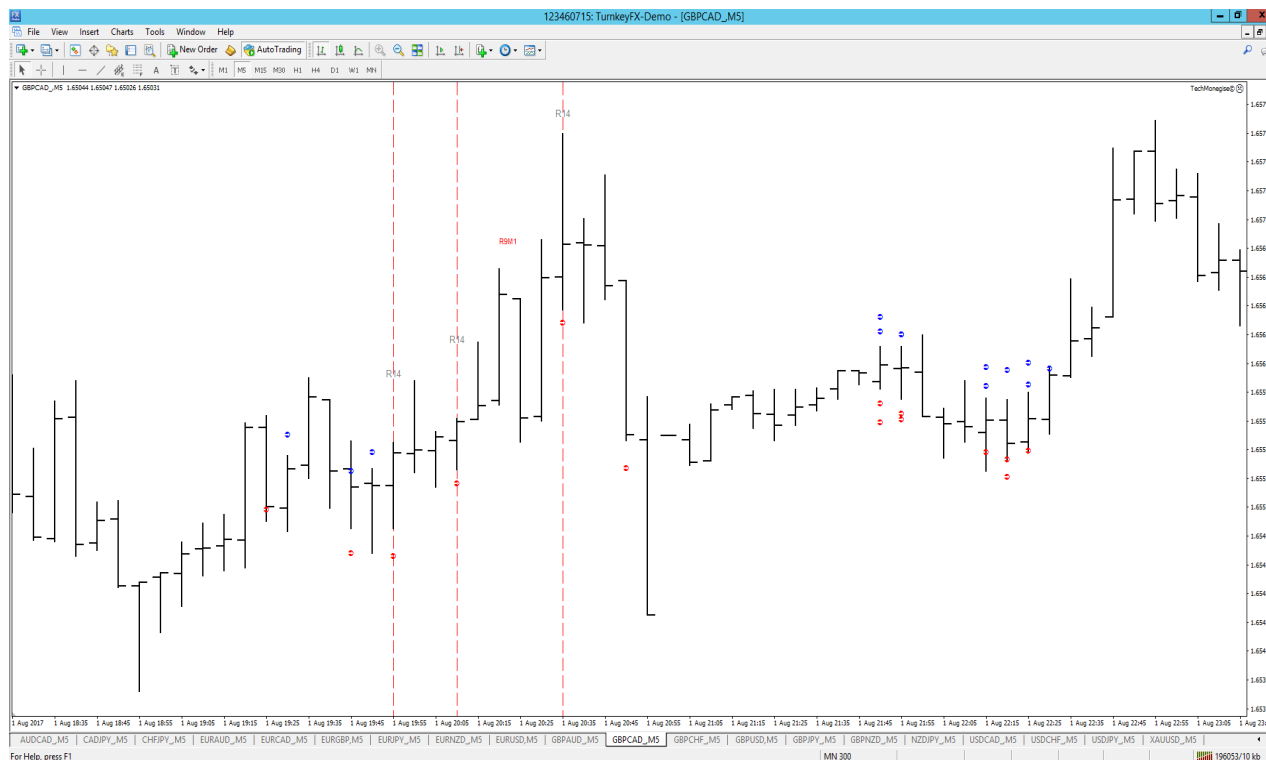
An iMA can only be used once in the the formation of a rule. E.g if used for R15 same one can't be used to form an R14. Vertically marked with red dotted line price bar using Cross Indicator settings to display.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of complimenting indicators") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R14 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 14's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

#### 15. When at least 9 (Variable "Consecutive on M5": 9) consecutive long

indicators as currently operating in EA (made up of any of following; ZT, MAB, PIN, iMA, ADX, GF, VDM; from one or combo of TF's M1-H1) without opposing ones or opposing rules between them; appear on on a single M5 bar.

Going back 10 price bars ("Last no. of bars analysed": 10) from current R15, price must have closed lower by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from from current R15, the white Volume MA line must have closed up 0.01%. Variable: "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from current R15, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

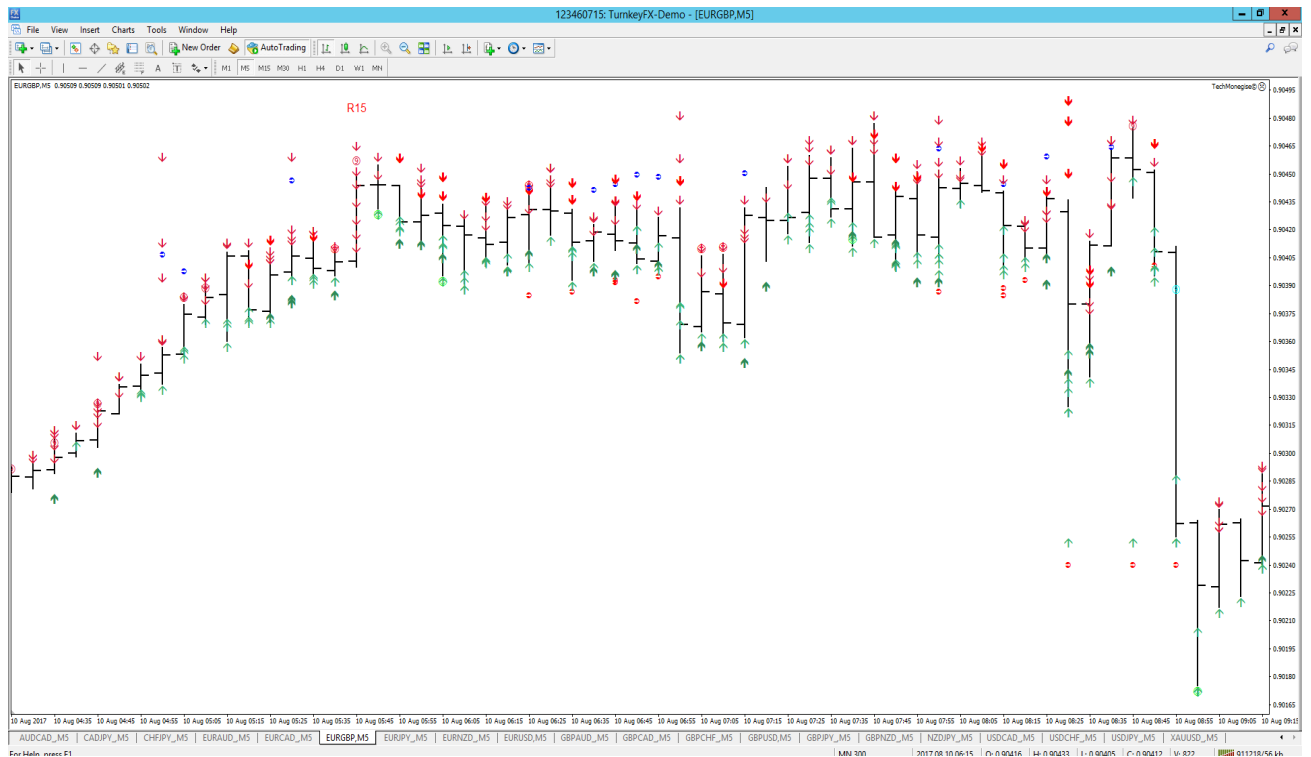
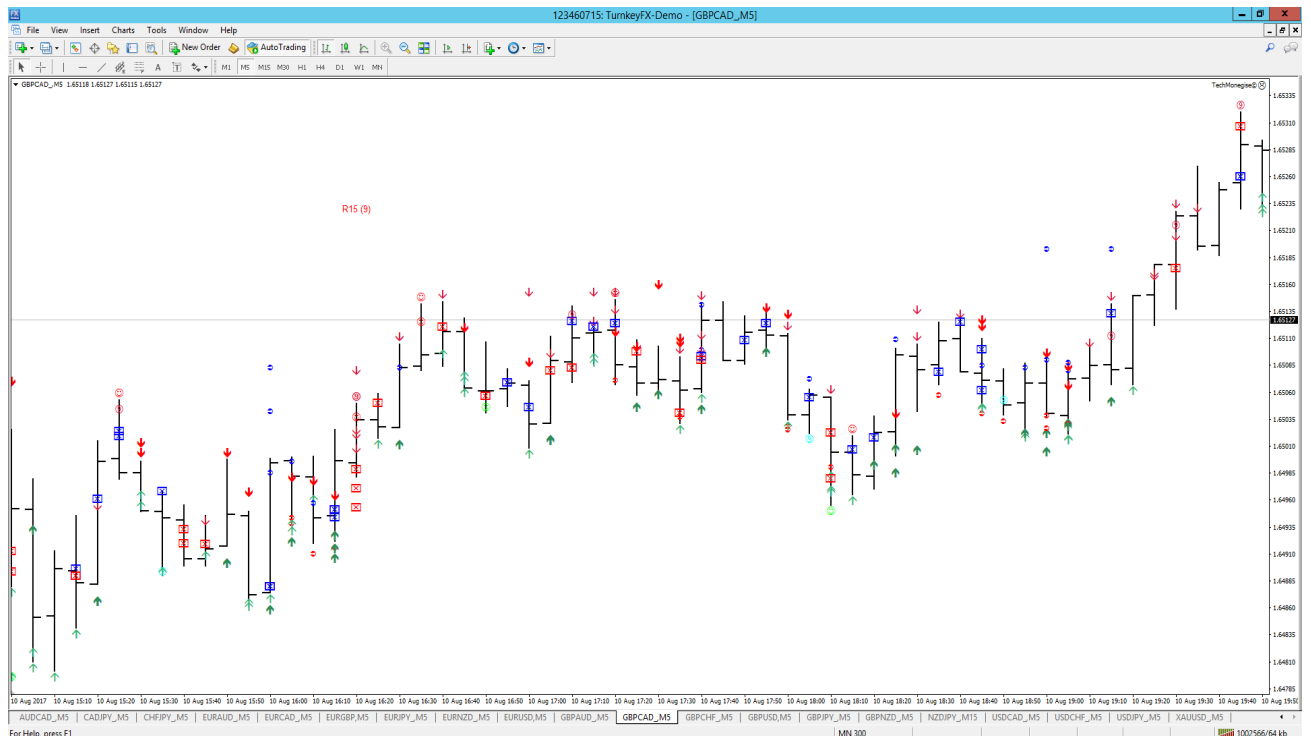
Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

The close of this bar is the R15 price displayed in Image below:

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule.

Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.



*Note on changing TF's and back to M5 all but 1 ZT red arrows on R15 bar disappeared (without change of settings)!? Seems to be happening with all indicators and perhaps causing repaint of all R's!*

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. **Only opposing** be used to identify only opposing rule 20's in A/B. **None** (not be used for forming entries or opposing). This rule applies to M5.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume (Climax High) in TF Rule signal price bar occurs.

16. When on same price bar the following 2 indicators occur:

-CCwSF red sell arrow appears (with settings shown in image on Sell). But you can summarize the 3 variables to Variable: "Min % size for each of 3 candles": 0.15 applies to M1, each TF up will also increase by the stated % value. E.g H1 will be 0.75%.

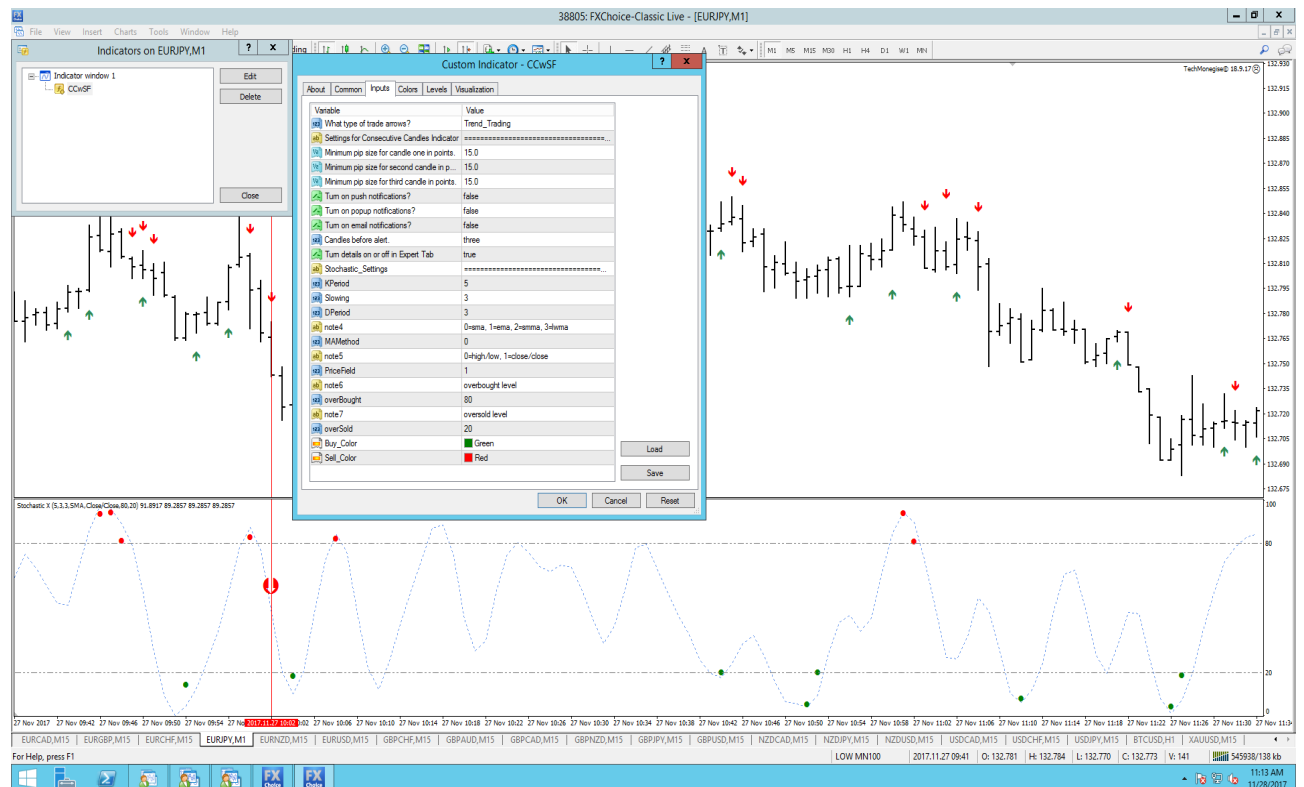
-A Red ADX\_Alert (Norbert\_60seconds) arrow occurs, with settings in EA as in image on buy on that same respective signal TF.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B. Demonstrated in image below.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R16 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 16's in A/B. None (not be used for forming entries or opposing). This rule applies to M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

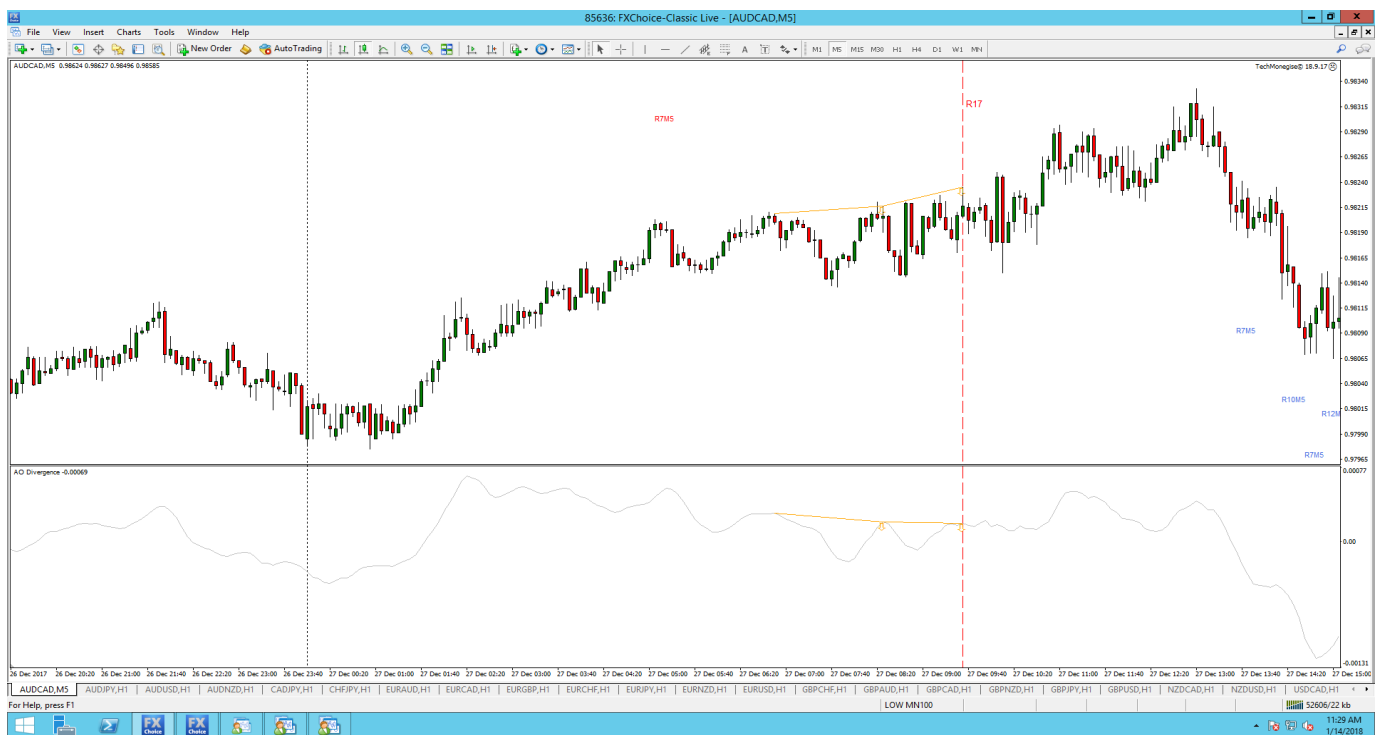
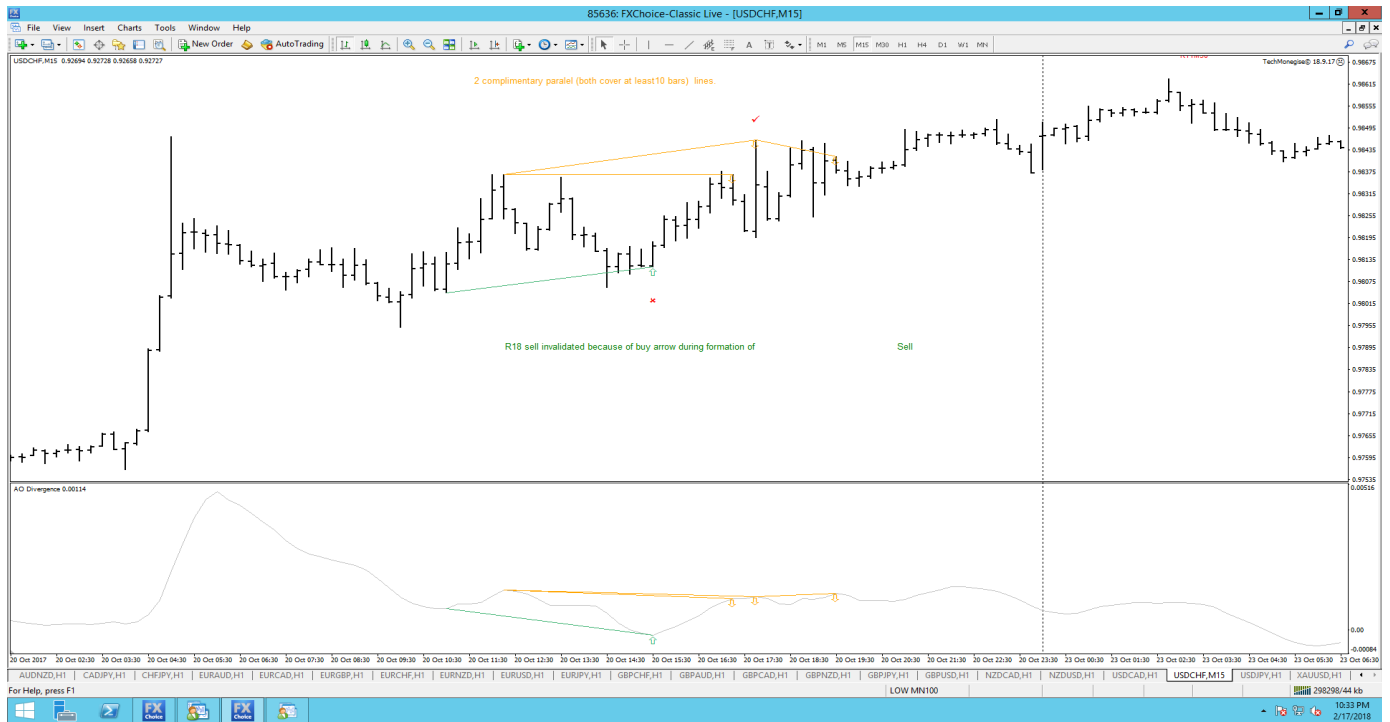
17. Make sure R22/R23 are part of R17. When a single sell *AO Divergence* arrow on default settings occur in TF M5-H1; It only becomes R17 when it is higher in price after another complementing **R1-16 and R18-R25** from any TF. The R17 does not have to be from same TF as the respective R1-R16 and R18-R21 before it! There must be no opposing **R's 1-16 and R18-R25** of any TF between these two events.

An *AO Divergence* arrow can only be used once in the the formation of R17. E.g if used after R9, same one can't be used for R11. Vertically marked with red dotted line price bar open.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for **Variable: "Last no. of"**) on the TF the rule occurs. Variable "**Complimenting Indicators**": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, *AO Divergence*) on it in that respective TF R has occurred. Variable: "**Enable opposing**": **True/False**.



Variable: "**R with ATR dot**": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R17 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 17's in A/B. None (not be used for forming entries or opposing). This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

**18.** Using ATR (4. in drop down menu in indicator "AIO Divergence" in default setting); identify when two confirmed consecutive (without a yellow dot between them) red dots with the most recent one being at a lower ATR value than the previous one. Simultaneously for that time period; recent price close corresponding to most recent of the two dots must be higher than close price of first dot. The price close of most recent of the two dots is R18.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

In image below ignore lines drawn by indicator. The 2 blue lines are drawn manually to demonstrate price and indicator relationship.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs. See below image:

Variable "R18 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 18's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

**19.** When a price bar closes at it's absolute HIGH on the H1. This becomes the signal bar. The next price bar open must be marked with R19.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B and RF.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R19 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 19's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

**20.** Convert ADX\_Difference indicator to mq4, every time there appear 5 consecutive red bars above zero. An ADX Difference bar must not be counted more than once in formation of R20. From

<https://www.mql5.com/en/code/20912>

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs. This rule applies to M5-H1.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 20's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

**21.** When first in a series of full green (No red at top or bottom) Gator bar occurs and corresponding price bar closes down but is lower in range (from high to Low) compared to previous price bar range, this is considered the signal bar. Going back 10 price bars ("Last no. of bars analysed": 10) from signal bar, the white Volume MA line must have closed UP by at least 0.01%. "VMA % Div": 0.01. The open of the next price bar after signal bar must be marked with R21 below it's price bar in blue coloured text.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.



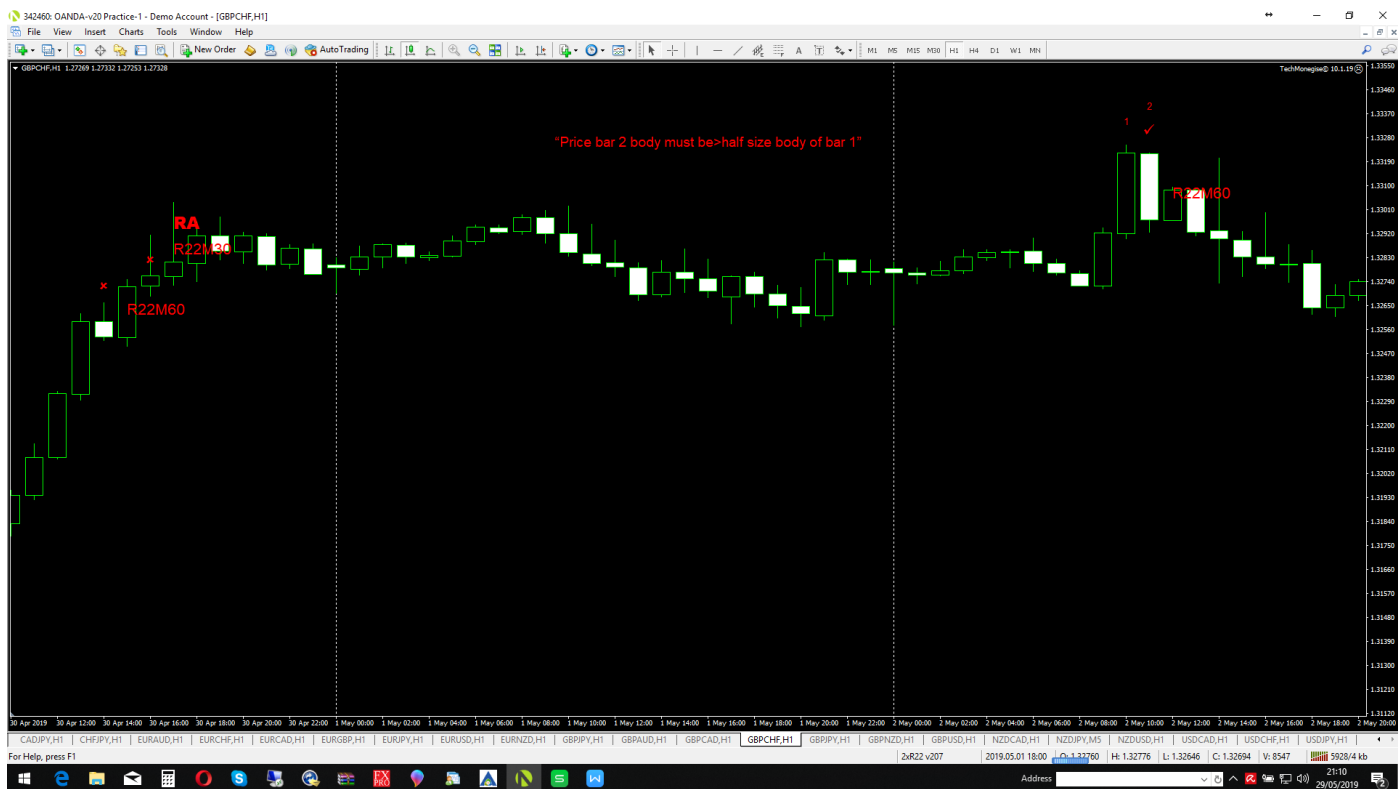


Variable "R21 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 21's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M15-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

**22.** Is a variation of R11. Leave as is in supplied V2.08! The text of R22 in purple must be added/coded. Text /variable struck out must be removed from code. Take Rule 22 code from TechMoney Ltd; TechMonegise© EA (v2.08) already supplied. It's already created. Here is it's description:

(Same as R22 is coded in EA v2.08) When price close down compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes down compared to the value of the previous bar close. Based on signal below in image; if 0.015% price difference is 1.4 pips and PVT difference is 7.20, for these figures the pips portion is 19.44% of PVT difference. Add Variable: "Price bar 2 body must be > half size body of bar 1": **True/False**. In other words bar 1 body must not be 200% or more > the body size of bar 2 in that respective time frame. See image:



R22 occurs at close of price bar 2. Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

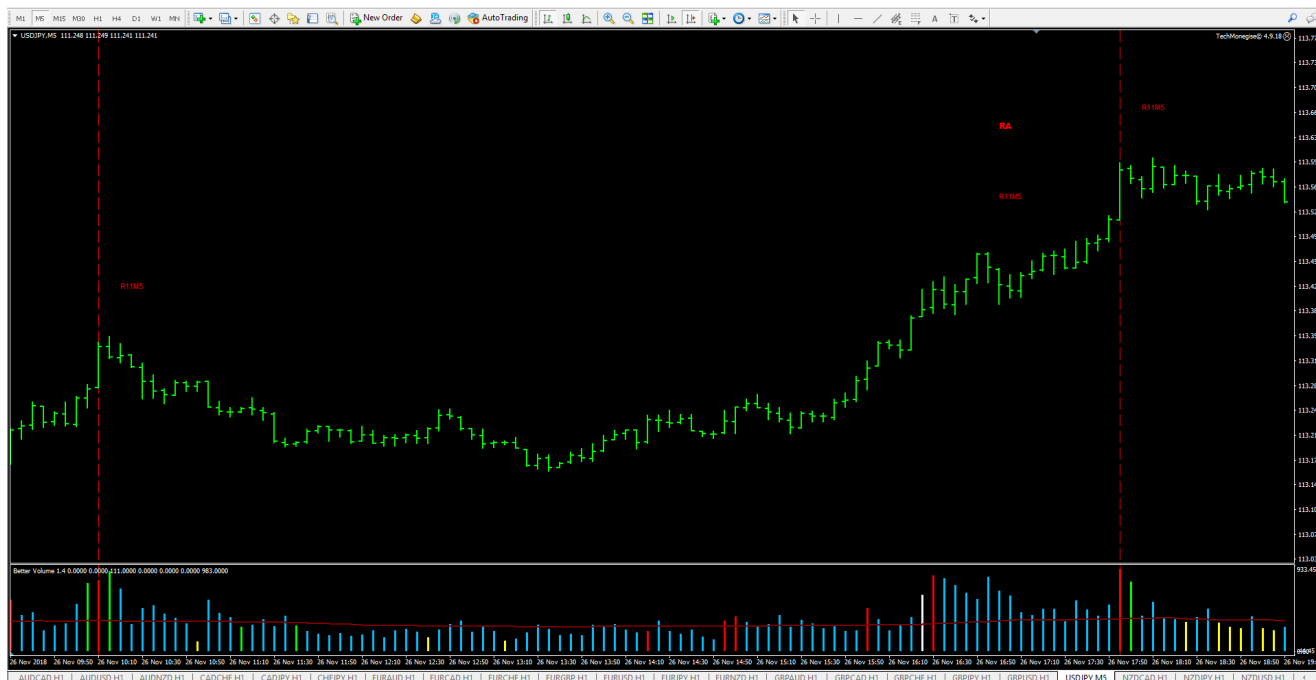
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Appears in H1 on **Image**:

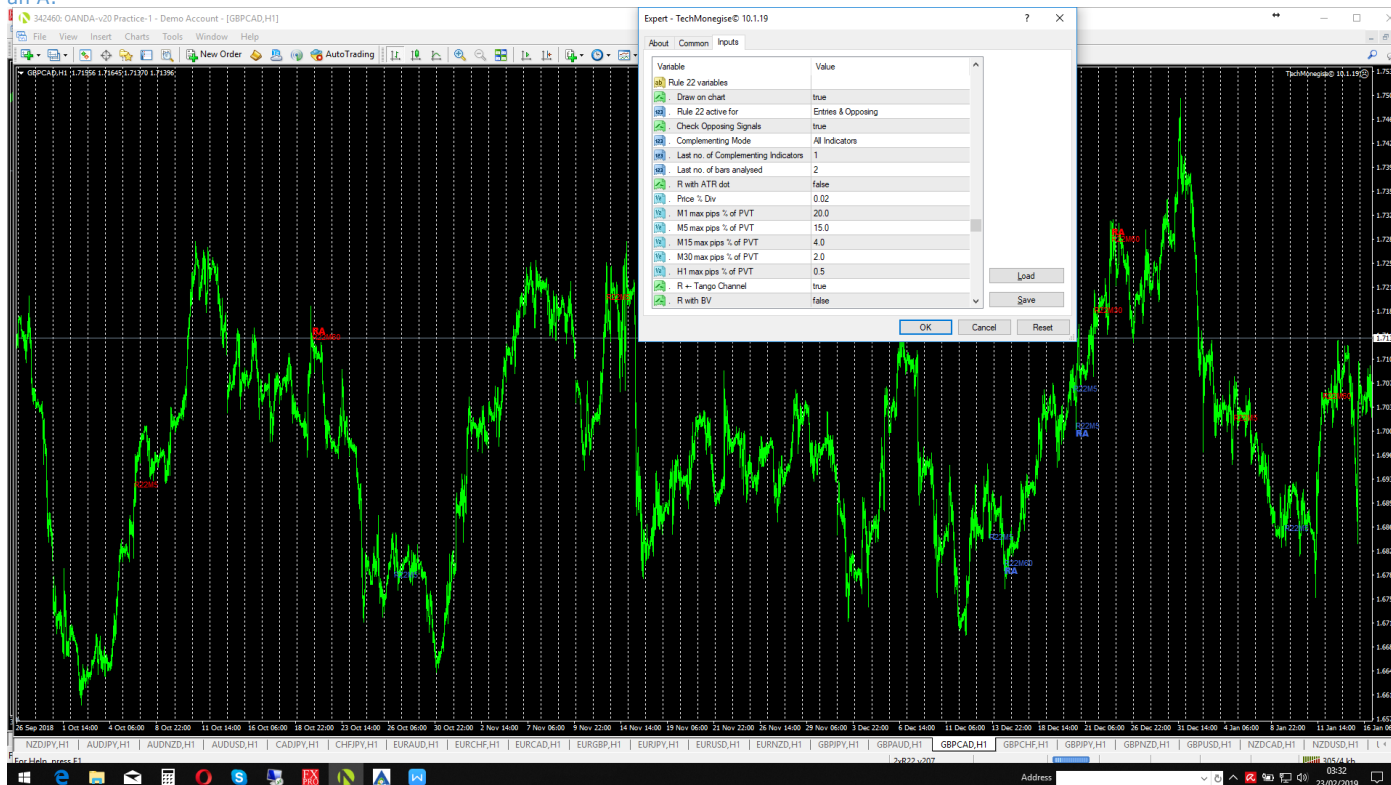


Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R22 is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.



R22 should look like this (I.e where R22 is stated on chart) on settings provided where two (although 1 is the value entered in A) R22's make an A:



This Variable can be removed: "R22 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 22's in A/B. None (not be used for forming entries or opposing).

This rule applies to any TF between M1-H1.

## 23.

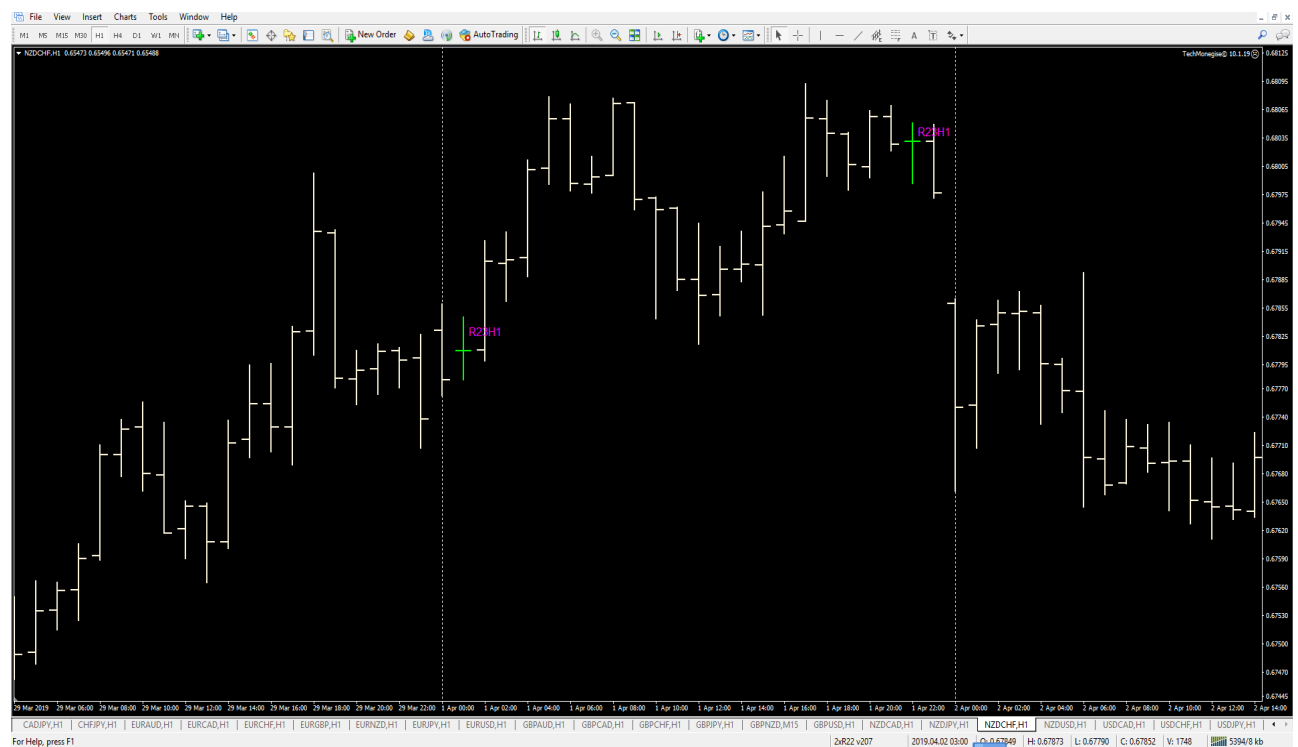
When setting bar in charts to light colour such as "Cornsilks", green bars (whose price opened and closed the same level) will appear. When that close price is higher than the close price of the previous bar. R23 must appear on the opening of bar after the green bar, but at the price of close of the green bar.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.



Variable "R23 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 23's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R23 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

## 24.

When the middle BB crosses below the Moving Average line (Blue); and MACD is less than zero; and %D line for the stoch is less than %K; and both Stoch lines are below 50.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False. Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R24 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 24's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.



Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R24 is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

## 25.

When a red dot appears on the chart using "FlashMove Divergence" indicator then it is a R25 buy signal at the market price of that instrument in that respective TF. Delete the "Sell reversal" on chart message and "red dot" and replace the red dot with R25 and respective TF it occurred in and the actual price it occurred at. Not the price the red dot occurred at. In other words display in same format on chart as all other R's display on chart. Note this rule will be displayed during the period of a bar and not on open of next bar which is how it is coded on all other rules.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for A/B.

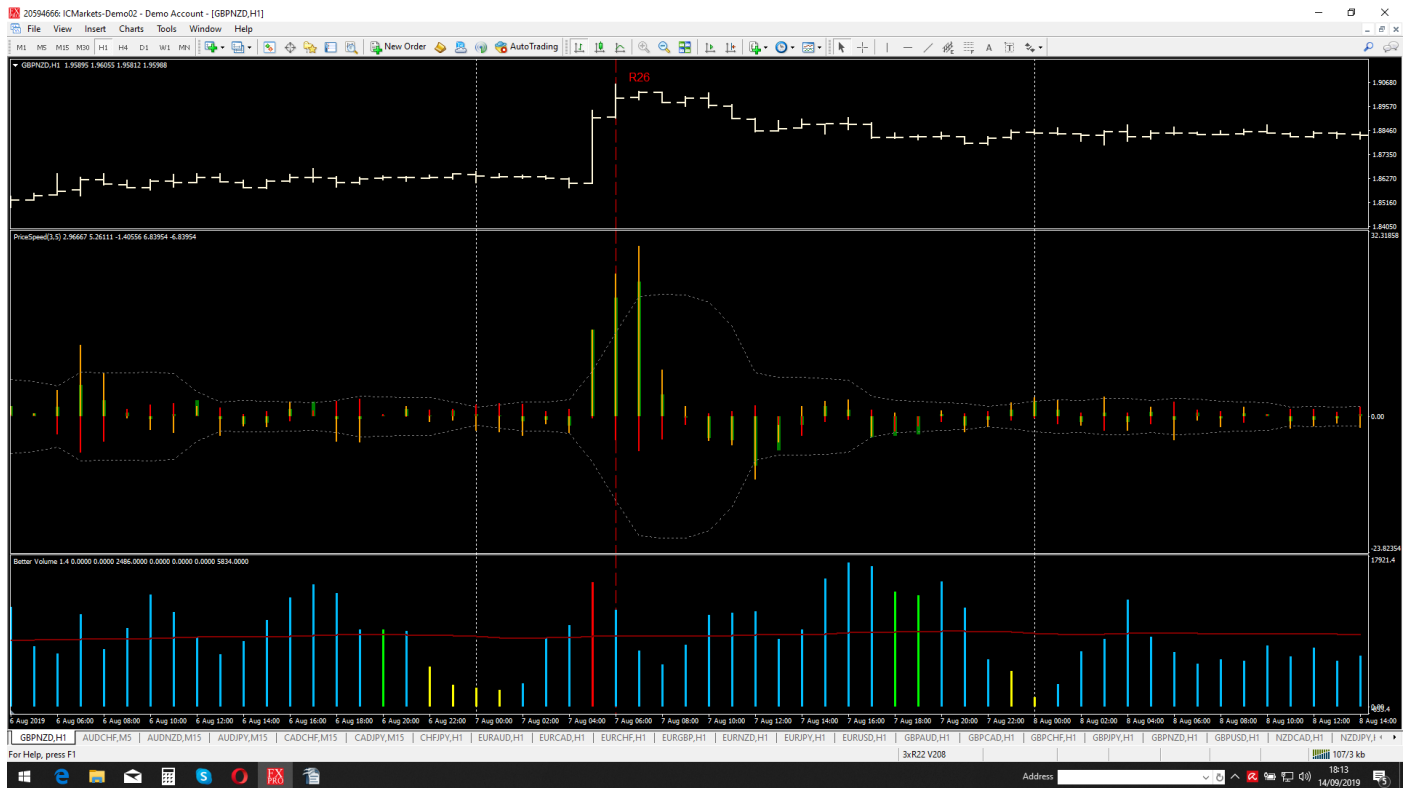


Variable "R24 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 24's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R25 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

## 26.

When two consecutive price bars have the Price Speed indicator (source available for download from <https://www.mql5.com/en/forum/317404>) green value close above the top dotted white line. Those two price bars must have either of the following configurations for Better Volume bars indicator: a blue bar and red bar. Or two red bars. New Variable: "Blue+red or 2x red": True/False. If false then two blue bars acceptable as well.



ALL below are standard filters already coded and part of most rules.

Add new Variable: "Print Rule on chart": True/False. Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R1-27 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX\_Alert Norbert\_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False. Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for A/B.

Variable "R26 active for": Entries and opposing, qualifying rules are counted for A/B and opposing for A/B. Only opposing be used to identify only opposing rule 26's in A/B. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

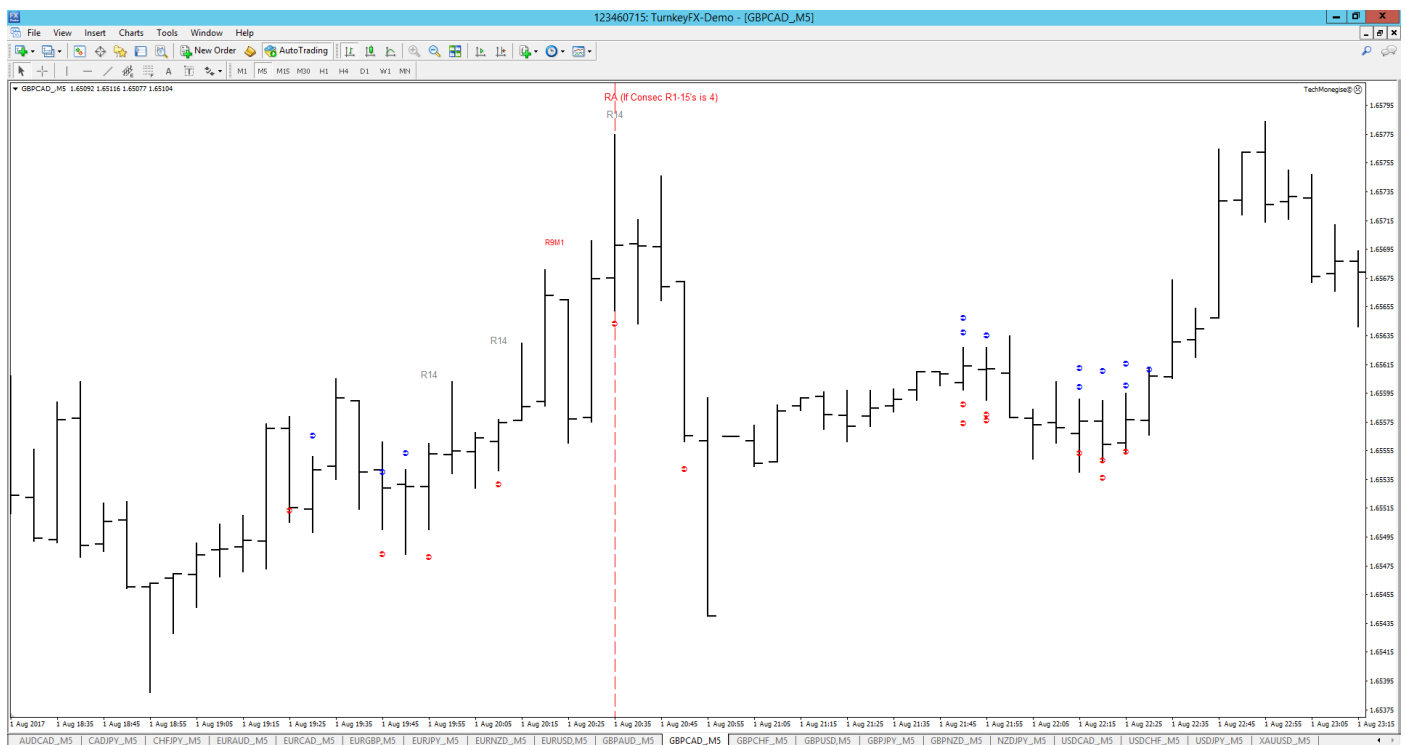
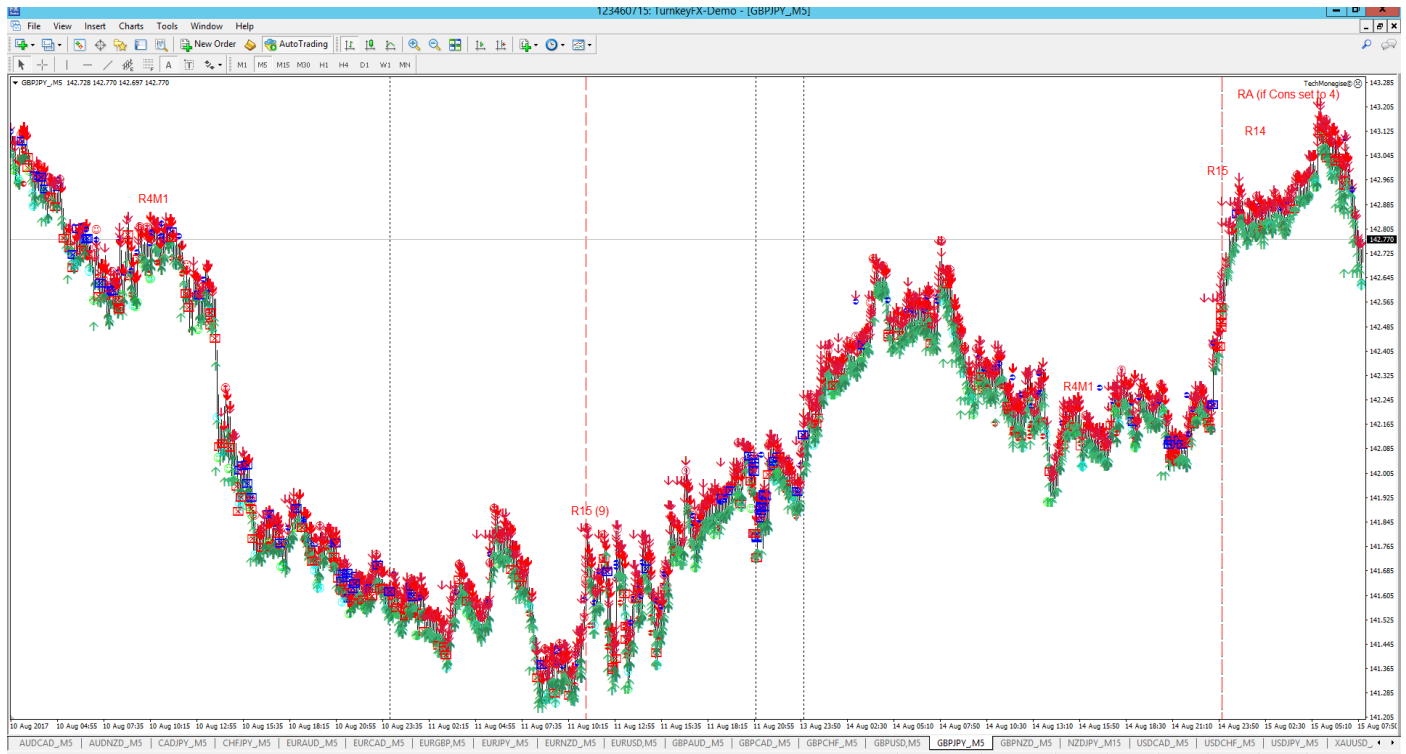
## 27.

TBC

A.

Take A code from EA supplied. Any of above R1-27 must occur an aggregate of at least three times. Stated by Variable "A Consecutive R1-27 's':1 (actually means 2) consecutively without opposing R1-27 on rules designated TF's. The price of each R's 1-27 must be lower and at a later time than the prior one. Therefore close of 3<sup>rd</sup> (most recent) R1-27 must be lower in price and later time than that of 2<sup>nd</sup> R1-27. Respectively close of 2<sup>nd</sup> rule R1-27 must be lower in price and later in time than that of 1<sup>st</sup> R1-27. Each R1-27 can occur on rules designated TF's. If 1 or more opposing R1-27 occur at the same time (on same or different TF's), the A count must begin from zero again. Once any R1-27 is used to form an A, that same rule must not be used in the count to form another A. Only count unused R's for new A.

Note some A images are examples from v1 EA rules 1-5. Note this rule should work principally same as R6 in 1<sup>st</sup> EA supplied to developer, but without bugs.



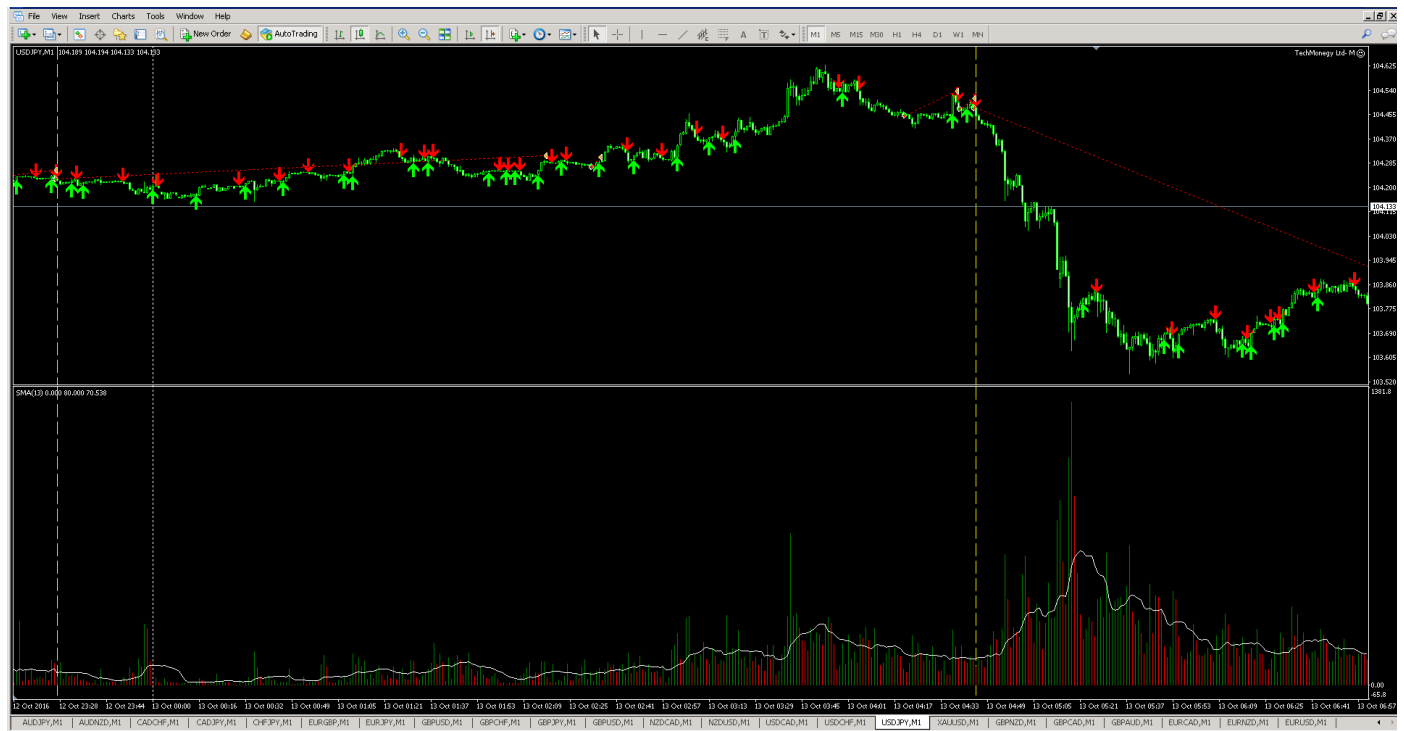
Therefore if Variable "Consecutive rule R1-27 ": is set to 2;

R11 can be made up of 2 x rule 1

Each rule 1 to be counted only once in it's formation of any rule 1.

Or 2 x rule 2. Each rule 2 to be counted only once in it's formation of any rule 2.

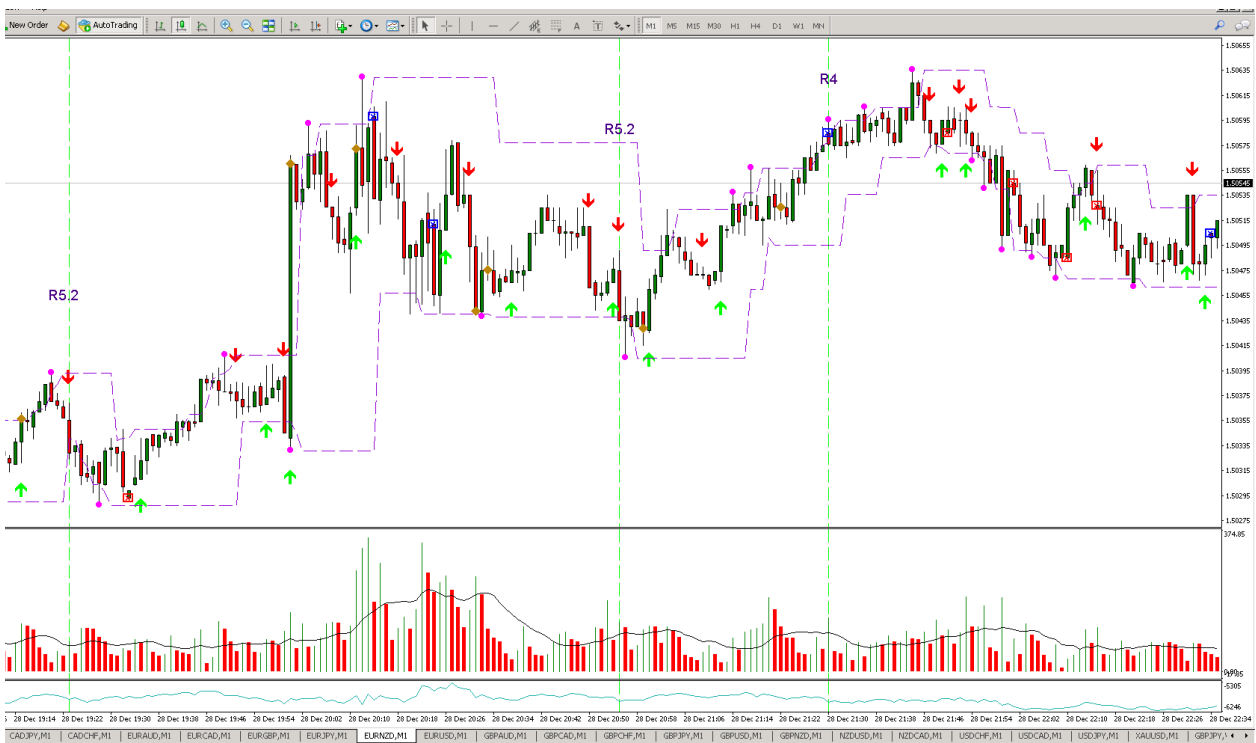
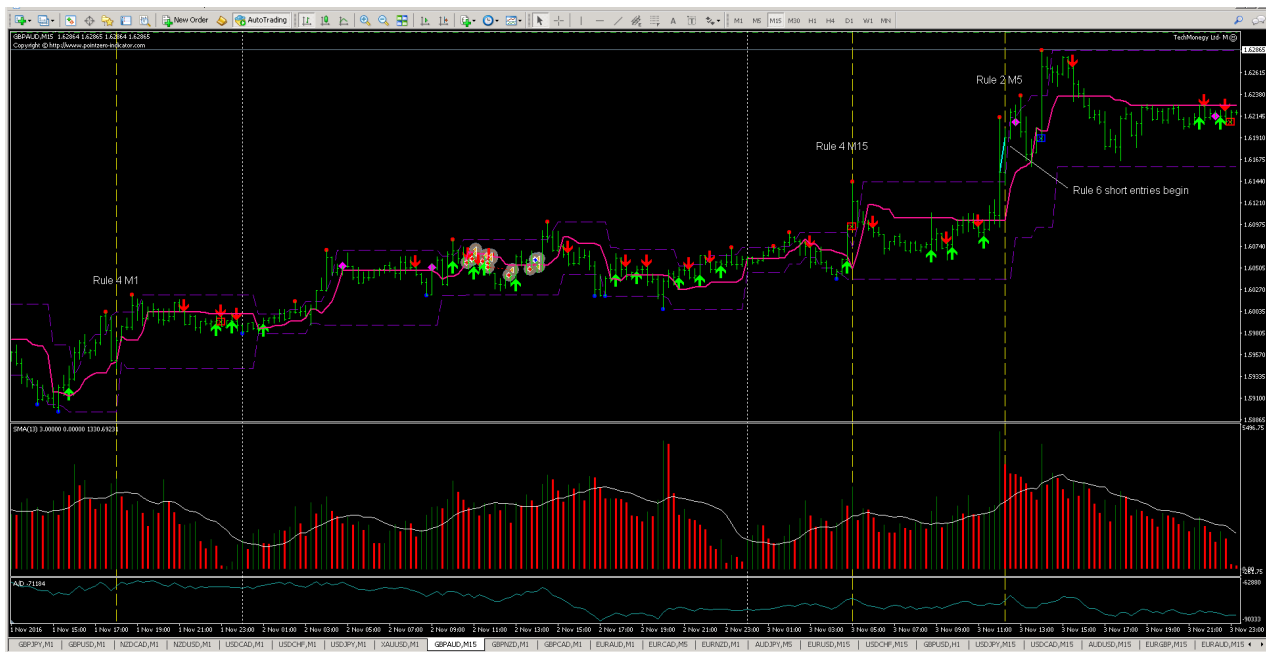
Or 2 x rule 3 illustrated in **Image**:



Or any (taking account of each of the rules' "R22 active for" variable value) combination two occurrences of R1-27 . E.g a rule 22 and 24 may both be set to Entries and opposing must occur as part of A (otherwise A does not form) to make up an entry as defined in A and opposing rule in A . Each one of the rules must be at a higher price and later time than the previous.

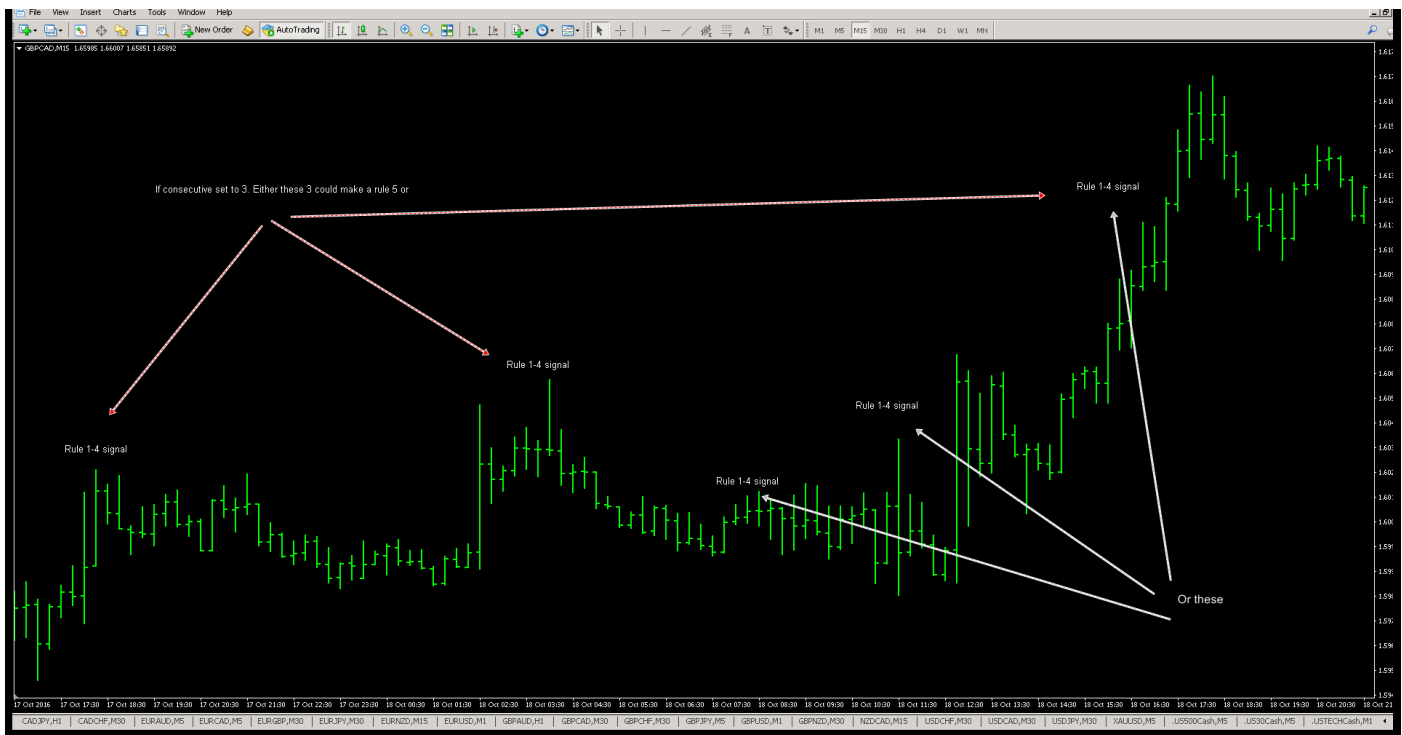
Any rule can only be identified once. Because each R1-27 must only be counted once in identification of A. Therefore it cannot be used to form two different A's. Below are 2 charts of 3 occurrences of R1-27 with **Image** (Rule numbers of v1):





Below if "Consecutive R1-27 ": is set to 3. Below is an example where 5 occurrences creates the choice of using either combo of R1-27 to set up A with **Image** :

*(note below is for demo of principal as v2 has R1-27 )*



Make Variable: "Indicator only": **True/False**. **True** to be the default mode. When **True**, means no trades to be placed, however arrows must appear at price entry would have been made. I.e rule B. Only show live signals (not historic R's/signals). Show fixed "Hdn SL" and "Trail start" levels for each entry signal.

So in indicator mode a trader can see live entry appear with arrow/alert, and "Hdn SL" and "Trail start" price levels for each entry signal on chart and in alert!

When set to **False** then these arrows don't print on chart. But only normal entry and exit arrows print on chart. EA, then it trades as below.

**B.** Entries can begin after A. Entry is invalidated if an opposing R1-27 occurs *or* price has first gone into more than 0.1% profit from latest rule **confirmation price (A)**. Variable: "Invalidating price move % from latest A": **0.1%**. If hit, count for A would begin from 1 again. Make Variable "Sell enter better than A price by %": **0.10**." Therefore if A price is 1.5000 short entry must be 1.5015. This must be a different variable to the buy one.

Where in the same symbol a new better price A occurs while current market is between above two variables awaiting entry or invalidation, then the primer better price is over written, the new better price becomes the waited upon price. For sell the highest.

If opposing R1-27 occurs after A and before entry, then entry is invalidated.

Have slippage allowed applied, so it keeps re trying entry as far as price spread/slippage below is satisfied and is same or better than B.

Variable: "Max Spread % allowed": **0.03**. So if price is 2.1000 then the max spread allowed for entry is 6.3 pips (63 points). Variable: "Max Slippage points allowed": **3**. Max Slippage allowed for entry would also be 0.3 pips (3 points).

**C.** Make Variable "Hdn SL%": **0.25%**. This executes at market so hidden from broker. Variable: "Fk SL" : **0.4%**. So this is a fixed fake SL simultaneously shown in order when opened. When exit occurs with this variable; "SL" appears in comment. This value must always be greater than that of "Hdn SL%". SL price calculated from each entry price. Make Variable "Hdn SL": **True/False**.

Risk size of entry should be 1% of *free equity*; use SL distance and RCb and RCc variable values to Calculate. Variable: "Risk % per order": **1%**. Prevent new entries if B still valid but at least one of below occur (but resume if they don't occur):

Ca. There is an opposing rule **R1-27**

Cb. If new trades takes sum loss of account (Hdn SL, not trailing) of total open trades + trade trying to be opened over 15% value with Variable: "Max loss of open trades v bal < %": **15**.

Cc. No new trades if new trades takes sum loss of account base currency (Hdn SL, not trailing) of total open trades + trade trying to be opened goes below Margin Level 2000%. Make Variable "Min Margin level %": **2000**. This dynamic value is seen on the MT4 platform.

Cd. Have Variable: "Max open entries per pair": **5**. For both directions on all magic numbers on acc.

Ce. Variables in C must be on whole acc. No exceptions to this rule. Regardless of Magic number or EA used.

Cf. Variable: "Invalidating price move % from latest A":

Cg. "Max Spread % allowed":

Ch. "Max Slippage points allowed":

Messages in experts tab in platform must print stating the first (only) of the Ca-Ch reasons that prevented entry. Currently only Cf prints but does so after other entry nullify already occurred i.e Ca.

**D.** Exit trades profitably (after any cost of commission, spread and SWAP on trade) as follows with value of Variable: "Trail start%": 0.32 being calculated from entry. So on a short entry if price is 1.5000, trail starts at 1.4952

The SL follows market price down with Variable: "Trail by%": 0.05. So this is the amount the trailing stop should be above market price as it moves into profit, it starts from 0.05% above trail start price. Therefore to prevent loss, "Trail start%" value from start to entry must be larger than "Trail by%" value.

All exit orders in RD must execute at market so hidden from broker (stealth). Make so order never close at loss using "Trail by%", this is the method ALL profitable trades will close.

**E.** Global Variables;

- Add Variable: "Only count from R's lowest TF history available": True/False. Meaning don't show/count (for A) R's that would appear before where the lowest TF history is not available. NOT ADDED.

- Add global Variable: "Comment" field that user can fill in EA setting.

- Add simple to administer security license scheme to be used if EA were to be sold: E.g explained here <https://www.mql5.com/en/code/15534>. Variable: "Account number": 123344, so check for EA license use, with date for expiry, if blank then works indefinitely. Account number and date to be changed from source code fields.

Copy both mq4 and ex4 files in the MT4 experts folder of the MT4 platform, then open by double click the mq4 file, it will open in metaeditor: Change Line 602 (Add your login), Change Line 611 (Add expiry), Change Line 971 (Add expiry). Then click compile, then send that ex4 file to user.

- Variable: "No new entries between": 18 Dec and 7 Jan. Only closure (according to rules) of existing trades on acc occurs between these low volume dates.

- Display dynamic spread on each chart in points (you can get code for this from ea "TechMoney; Gain@") and as % of price. E.g if price is 2.1000, Spread shown is 0.03% and 63 points.

- No new trades should be opened on account from Fri 4pm GMT for rest of day, close all trades open on account when each in profit (by at least 0.10% after any cost of commission, spread and SWAP on trade) from 4pm GMT Fri, then close any unprofitable trades on account from Fri 8pm GMT. Variable can be called "Safer Weekend+": True/False.